

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : BATTALION ENG. CO.45/ LAD CO.58
Address : 925 EAST TREMONT AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.045 / 13033 **Yr Built/Renovated** : 1931 / 1975
Area Sq Ft : 15,225 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Mar-2019 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3126 **Lot** : 12 **BIN** : 2013192

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture		\$250,900
Interior Architecture	\$329,300	
Electrical	\$99,500	\$256,200
Total	\$428,800	\$507,100
Importance Code A		\$314,500
Importance Code B	\$428,800	\$192,700
Total	\$428,800	\$507,100

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$83,600	\$2,700		
Interior Architecture	\$107,600	\$1,100		
Electrical	\$14,000	\$1,500	\$1,100	\$1,100
Mechanical	\$8,200	\$2,600	\$2,200	\$1,700
Site Enclosure	\$15,900			
Site Pavements	\$2,600			
Total	\$231,800	\$8,000	\$3,300	\$2,700
Importance Code A	\$84,700	\$4,000	\$1,100	\$1,100
Importance Code B	\$71,000	\$4,000	\$2,100	\$1,600
Importance Code C	\$76,100			
Total	\$231,800	\$8,000	\$3,300	\$2,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
BATTALION ENG. CO.45/ LAD CO.58
Asset # : 13033

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	20%	Now	\$6,700	2050	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Vinyl Vent Soffit At Roof Level</i>								
Masonry: Brick	55%	Now	\$30,700	LIFE	**	5	\$19,100	
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Rear Facade</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Rear Facade</i>								
Masonry: Brick	13%			LIFE	**	5	\$4,500	
Masonry: Granite	2%			LIFE	**	5	\$500	
Metal Sect. OHD	5%			2035	**	5	\$5,400	
Stucco Cement	5%	Now	\$4,800	2035	**	5	\$2,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : East Roof Wall</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : East Roof Wall</i>								
Windows								
Aluminum	100%	4+	\$27,600	2046	**	5	\$1,500	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	85%	4+	\$8,800	LIFE	**	5	\$3,600	
<i>Efflorescence, Extent : Light, Area Affected : 15%</i>								
<i>Location : Main Roofs</i>								
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Parapet Wall</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Parapet Wall</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Parapet Wall</i>								
Masonry: Granite	5%			LIFE	**	5	\$300	
Masonry: Limestone	10%			LIFE	**	5	\$500	
Roof								
Modified Bitumen	100%	Now	\$5,000	2030	\$250,900			
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : South-east Stairway</i>								
Interior								

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FIRE DEPARTMENT - 057
BATTALION ENG. CO.45/ LAD CO.58
Asset # : 13033

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$37,900	LIFE	**	5	\$19,900	
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i> <i>Location : Both Building Apparatus Floors</i> <i>Water Penetration, Extent : Moderate, Area Affected : 25%</i> <i>Location : Basement 1932 Section</i> <i>Other Observation, Extent : Severe, Area Affected : 100%</i> <i>Location : 1932 Section</i> <i>Explanation : Apparatus Floor Slab Is Old And Does Not Carry Current Loads - Needs Replacement On 1932 Side</i>								
Ceramic Tile	15%			2039	**	5	\$3,400	
Quarry Tile	5%	Now	\$1,600	2035	**	5	\$900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i> <i>Location : Kitchen</i>								
Vinyl Tile	40%			2025	\$245,900	3	\$3,400	
<i>Worn/Eroded, Extent : Light, Area Affected : 50%</i> <i>Location : House Watch Room</i>								
Interior Walls								
Ceramic Tile	10%			2039	**	5	\$3,100	
Concrete Masonry Unit	50%	Now	\$28,800	LIFE	**	5	\$6,300	
<i>Vertical Cracks, Extent : Light, Area Affected : 50%</i> <i>Location : Engine Side Stair Shaft</i>								
Plaster	25%	Now	\$9,300	LIFE	**	5	\$2,400	
<i>Paint Peeling, Extent : Moderate, Area Affected : 2%</i> <i>Location : Roof Ladder Shaft At Second Floor</i> <i>Water Penetration, Extent : Light, Area Affected : 5%</i> <i>Location : Apparatus Floor Both Houses.</i>								
SGFT/Glazed Masonry	15%	Now	\$20,600	LIFE	**			
<i>Diagonal Cracks, Extent : Severe, Area Affected : 40%</i> <i>Location : Spider Cracking Throughout Engine Side Apparatus Floor.</i>								
Ceilings								
AcousTileSusp.Lay-In	5%			2043	**	5	\$1,100	
Exposed Struc: Concrete	50%	Now	\$83,400	LIFE	**	5	\$1,800	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 30%</i> <i>Location : Engine Side Basement Steel At Ceiling.</i> <i>Spalling, Extent : Severe, Area Affected : 10%</i> <i>Location : Basement</i> <i>Water Penetration, Extent : Severe, Area Affected : 30%</i> <i>Location : Engine Side Basement.</i>								
Plaster	45%	Now	\$6,100	LIFE	**	5	\$6,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i> <i>Location : Apparatus Floor Both Houses.</i> <i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i> <i>Location : Engine Side Of 1st Floor, 2nd Floor Locker Room</i>								
Site Enclosure								

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FIRE DEPARTMENT - 057
BATTALION ENG. CO.45/ LAD CO.58
Asset # : 13033

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$15,900	2050		**		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Rear Yard</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Rear Yard</i>								
<i>Impact Damage, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Rear Yard Parking Area</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	\$2,600	2043		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Entrance</i>								
Parking/Driveway								
Asphalt	100%			2039		**		
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2030	\$63,500	5	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 300 Amperes</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2030	\$63,500	5	\$400	
Raceway								
Conduit	100%			2030	\$36,000	1		
Panelboards								
Molded Case Bkrs	50%			2029	\$24,200	5	\$200	
Molded Case Bkrs	50%			2038	**	5	\$200	
Wiring								
Thermoplastic	50%			2030	\$16,300	1		
Thermoplastic	50%			2040	**	1		
Motor Controllers								
Locally Mounted	100%			2035	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%	0-2	\$10,200	LIFE	**	5	\$200	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2028	\$12,900	1	\$4,700	

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BATTALION ENG. CO.45/ LAD CO.58
Asset # : 13033

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Generators								
Diesel	100%			2026	\$99,500	1	\$5,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Emergency Generator Rated At 17.5 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$600	
Fuel Storage								
Main Tank	100%			2058	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 275 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
Fluorescent	100%			2030	\$129,200	10	\$14,000	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Egress Lighting								
Emergency, Service	100%			2030	\$9,200	1		
Exterior Lighting								
HID	20%			2030	\$13,900	10		
No Component	80%							
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2050	**	1		
Conversion Equipment								
Hot Water Boiler	50%			2043	**	1	\$3,800	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Steam Boiler	50%			2043	**	1	\$7,500	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	50%			2038	**	4	\$400	
Central Plant Steam Piping/Pmp	50%			2040	**	4	\$600	
Terminal Devices								
Convactor/Radiator	100%			2035	**	1	\$4,900	

Air Conditioning

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Asset # : 13033

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Energy Source								
	Electricity	100%			2038	**	1	
Conversion Equipment								
	Exterior Pkg Unit - Cooling	10%			2038	**	2	\$100
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 1 Unit, R-410a</i>						
	Split Unit	5%			2038	**		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : 2nd Floor</i>						
		<i>Explanation : 1 Unit, R-410a</i>						
	Window/Wall Unit	45%			2028	\$25,300	1	
	Window/Wall Unit	10%			2024	\$5,600	1	
	No Component	30%						
Terminal Devices								
	Fan Coil - 2 Pipe	5%			2038	**	1	\$300
	No Component	95%						
Heat Rejection								
	Air Cooled Condenser Unit	5%			2038	**	2	\$500
	No Component	95%						
Ventilation								
Distribution								
	Ductwork/Diffusers	20%			LIFE	**	2-5	\$1,700
	No Component	80%						
Exhaust Fans								
	Roof	20%			2035	**	2	\$100
	Wall Unit	15%			2025	\$1,000	2	\$100
	No Component	65%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2040	**	1	
Water Heater With Tanks								
	Gas Fired	100%			2028	\$16,700	2	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two 75 Gallon Units</i>						
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2024	\$500	4	\$500
Fixtures								
	Generic	100%						

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : BRONX COMMUNICATION DIVISION BRONX BORO. COMMAND/DIST OFFICE
Address : 451-453 EAST 176TH ST.
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSCOM.000 / 13383 **Yr Built/Renovated** : 1894 / 2010
Area Sq Ft : 12,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-Jan-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2909 **Lot** : 40 **BIN** : 2009541

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$171,900	
Interior Architecture	\$284,800	
Mechanical	\$79,700	
Total	\$536,400	
Importance Code A	\$171,900	
Importance Code B	\$364,500	
Total	\$536,400	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$45,500		\$1,600	\$900
Interior Architecture	\$62,400	\$1,100		\$1,000
Electrical	\$900	\$3,500	\$900	\$1,000
Mechanical	\$7,400	\$6,600	\$13,900	\$7,000
Total	\$116,200	\$11,100	\$16,400	\$9,900
Importance Code A	\$46,100	\$600	\$2,200	\$1,400
Importance Code B	\$40,500	\$9,900	\$14,200	\$8,400
Importance Code C	\$29,600	\$600		
Total	\$116,200	\$11,100	\$16,400	\$9,900



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FIRE DEPARTMENT - 057
BRONX COMMUNICATION DIVISION BRONX BORO. COMMAND/DIST OFFICE
Asset # : 13383

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$12,700	
Masonry: Brick	70%	Now	\$91,200	LIFE	**	5	\$22,700	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front Facade</i>								
Masonry: Brownstone	10%	Now	\$23,900	LIFE	**	5	\$2,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Overhead Door Frames</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 10%</i>								
<i>Location : At Overhead Door Frames</i>								
Wood Overhead Doors	15%	4+	\$13,600	2036	**	5	\$12,100	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Overhead Doors</i>								
Windows								
Aluminum	100%			2047	**	5	\$1,700	
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$6,300	
Masonry: Brick	60%			LIFE	**	5	\$2,400	
Metal Panel	20%			2041	**	5	\$3,100	
Roof								
Roll Roofing	95%	Now	\$8,100	2027	\$80,700	5	\$10,600	
<i>Patching Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Main Roof</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 2%</i>								
<i>Location : 3rd Floor Offices</i>								
Skylight, Metal/Glass	5%			2051	**	10	\$2,200	
Interior								
Floors								
Cast in Place Concrete	25%	2-4	\$7,500	LIFE	**	5	\$9,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Room</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
Ceramic Tile	5%			2040	**	5	\$900	
Panel/Paver: Cer/Brk	15%	4+	\$15,700	2039	**	5	\$3,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : First Floor In Bronx Borough Command</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 1st Floor, Garage</i>								
Quarry Tile	10%			2044	**	5	\$2,700	
Vinyl Tile	45%			2036	**	3	\$4,000	

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FIRE DEPARTMENT - 057
BRONX COMMUNICATION DIVISION BRONX BORO. COMMAND/DIST OFFICE
Asset # : 13383

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%			2040	**	5	\$1,200	
Ceramic Tile	10%	Now	\$6,600	2034	**	5	\$1,200	
<i>Vertical Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Communications On Aparatus Floor</i>								
Gypsum Board	75%			LIFE	**	5	\$11,100	
Masonry: Brick	10%	Now	\$23,000	LIFE	**			
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Sidewalk Vault</i>								
Ceilings								
AcousTileSusp.Lay-In	50%	4+	\$7,300	2044	**	5	\$4,500	
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 3rd Floor Offices</i>								
Embossed Metal	25%			LIFE	**	5	\$2,000	
Exposed Struc: Steel	5%	0-2	\$210,800	LIFE	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Beams Supported By Round Columns</i>								
Gypsum Board	10%			LIFE	**	5	\$2,200	
Masonry: Vault Struct	10%	Now	\$74,000	LIFE	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Sidewalk Vault On Communications Side Of Building</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2031	\$14,700	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 200 Ampere Main Disconnect Switches</i>								

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BRONX COMMUNICATION DIVISION BRONX BORO. COMMAND/DIST OFFICE
Asset # : 13383

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	80%			2051	**	1		
Conduit	20%			2031	\$7,200	1		
Panelboards								
Fused Disc Sw	5%			2047	**	5		
Molded Case Bkrs	95%			2047	**	5	\$300	
Wiring								
Thermoplastic	80%			2051	**	1		
Thermoplastic	20%			2031	\$6,500	1		
Motor Controllers								
Locally Mounted	50%			2029	\$8,900	5		
Locally Mounted	50%			2036	**	5		
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	**	1	\$3,700	
Generators								
Diesel	100%			2040	**	1	\$4,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : One 60 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2025	\$2,400	5	\$400	
Fuel Storage								
Main Tank	100%			2034	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 550 Gallons</i>								
Lighting								
Interior Lighting								
LED	100%			2036	**			
Egress Lighting								
Emergency, Service	60%			2036	**	1		
Exit, Service	40%			2036	**	1		
Exterior Lighting								
LED	30%			2036	**			
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2051	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
BRONX COMMUNICATION DIVISION BRONX BORO. COMMAND/DIST OFFICE
Asset # : 13383

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Conversion Equipment Hot Water Boiler	100%			2044	**	1	\$5,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution Hot Wtr Piping/Pump	100%			2047	**	4	\$600	
<i>Corroded, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : There Is Corroded Piping At Manifold In Boiler Room</i>								
Terminal Devices Convactor/Radiator	75%			2044	**	1	\$2,900	
Unit Heater - Hot Water	25%			2036	**			
Air Conditioning								
Energy Source Electricity	100%			2047	**	1		
Conversion Equipment Split Unit	50%			2036	**			
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Roof</i>								
<i>Explanation : 16 Split Units Using R-410 A</i>								
No Component	50%							
Terminal Devices Fan Coil - 2 Pipe	50%			2036	**	1	\$1,900	
No Component	50%							
Heat Rejection Dry Cooler	50%			2036	**	2	\$4,200	
No Component	50%							
Ventilation								
Exhaust Fans Wall Unit	30%			2036	**	2	\$100	
No Component	70%							
Plumbing								
H/C Water Piping Brass/Copper	100%			2051	**	1		
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Water Heater With Tanks Gas Fired	100%			2029	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallon Unit</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
BRONX COMMUNICATION DIVISION BRONX BORO. COMMAND/DIST OFFICE
Asset # : 13383

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Sump Pump(s) Non-Submersible	100%			2031	\$2,300	4	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units And One Serves Each Side</i>								
<hr/>								
Fixtures								
Generic	100%							
<hr/>								
Fire Suppression								
Chemical System Generic	100%			2026	\$79,700	1-3	\$74,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen, 1st Floor</i>								
<i>Explanation : 1 Set</i>								
<hr/>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : COMMUNICATIONS CENTER - S.I.
Address : 65 SLOSSON AVENUE @ CLOVE LAKES PARK
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIR0008.010 / 1997 **Yr Built/Renovated** : 1962 / 2012
Area Sq Ft : 11,129 **Project Type** : FIRE DEPARTMENT
Date of Survey : 29-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Sub Basement, Roof, Floors 1
Block : 319 **Lot** : 1 **BIN** : 5112428

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture		\$106,200
Mechanical		\$79,700
Total		\$185,900
Importance Code A		\$106,200
Importance Code B		\$79,700
Total		\$185,900

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture			\$1,600	\$1,400
Interior Architecture	\$4,600	\$10,400	\$1,900	\$2,100
Electrical	\$2,000	\$4,400	\$12,600	\$2,200
Mechanical	\$14,700	\$8,800	\$9,100	\$16,800
Site Pavements	\$16,700			
Total	\$38,100	\$23,700	\$25,200	\$22,400
Importance Code A	\$600	\$600	\$2,200	\$1,900
Importance Code B	\$20,800	\$22,500	\$23,000	\$20,500
Importance Code C	\$16,700	\$700		
Total	\$38,100	\$23,700	\$25,200	\$22,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER - S.I.
Asset # : 1997

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	7%			LIFE	**	5	\$3,300	
Glass Block	4%			LIFE	**	5	\$200	
Masonry: Brick	80%			LIFE	**	5	\$7,600	
Metal Panel	4%			2051	**	5-10	\$2,600	
Window Wall	5%			2051	**	5	\$1,800	
Windows								
Aluminum	100%			2047	**	5	\$2,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Bullet Proof Glass</i>								
Roof								
Modified Bitumen	100%			2031	\$106,200	10	\$9,900	
Soffits								
Aluminum Sunshades	100%			2040	**	10	\$11,700	
Interior								
Floors								
Carpet	25%			2030	\$71,900	3	\$8,300	
Cast in Place Concrete	25%			LIFE	**	5	\$9,100	
Ceramic Tile	5%			2040	**	5	\$800	
Raised Access Floor	30%			2040	**	5	\$18,700	
Sheet Vinyl/Rubber	15%			2036	**	5	\$3,700	
Interior Walls								
Ceramic Tile	10%			2040	**	5	\$1,300	
Concrete Masonry Unit	40%			LIFE	**	5	\$2,100	
Gypsum Board	40%			LIFE	**	5	\$3,100	
Plaster	10%			LIFE	**	5	\$400	
Ceilings								
AcousTileSusp.Lay-In	30%			2044	**	5	\$5,000	
Exposed Struc: Concrete	45%			LIFE	**	5	\$1,200	
Exposed Struc: Steel	10%			LIFE	**			
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Material Actually Concrete Over Metal Decking</i>								
Gypsum Board	15%			LIFE	**	5	\$3,100	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	**			
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Vegetation Growth</i>								
Retaining Walls								
Cast in Place Concrete	100%			2051	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2036	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER - S.I.
Asset # : 1997

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Parking/Driveway
Asphalt

100% 0-2 \$16,700 2034 * *

Cracking/Crumbling, Extent : Moderate, Area Affected : 15%

Location : Driveway Entrance

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment
Fused Disc Sw

100% 2051 * * 5

Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room

Explanation : Main Service Disconnect Switch Rated At 2,000 Amperes.

Switchgear / Switchboard

Fused Disc Sw

100% 2051 * * 5

Raceway

Conduit

100% 2051 * * 1

Panelboards

Molded Case Bkrs

100% 2047 * * 5 \$300

Wiring

Thermoplastic

100% 2051 * * 1

Motor Controllers

Locally Mounted

10% 2044 * * 5

Variable Frequency
Drive

90% 2044 * *

Ground

Grounding Devices

Generic

100% LIFE * * 5 \$200

Stand-by Power

Transfer Switches

Automatic

100% 2044 * * 1 \$3,400

Generators

Diesel

100% 2040 * * 1 \$4,300

Other Observation, Extent : Light, Area Affected : 100%

Location : Generator Room

Explanation : Two 510 Kilowatt Generators

Batteries

Lead/Acid

100% 2025 \$2,400 5 \$400

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER - S.I.
Asset # : 1997

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Fuel Storage								
Day Tank	50%			2047	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : 275 Gallons Rated Capacity</i>								
Main Tank	50%			2059	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Underground</i>								
<i>Explanation : 5,000 Gallon Underground Tank</i>								
Lighting								
Interior Lighting								
Fluorescent	95%			2036	**	10	\$9,700	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	5%			2036	**	10	\$500	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Hallways</i>								
Egress Lighting								
Emergency, Service	45%			2036	**	1		
Emergency, Battery	5%			2036	**	10	\$100	
Exit, Battery	50%			2036	**	10	\$400	
Exterior Lighting								
LED	40%			2039	**			
No Component	60%							
Alarm								
Security System								
Generic	100%			2036	**	1	\$4,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : CCTV Surveillance System</i>								
Fire/Smoke Detection								
Generic, Digital	100%			2036	**	1-3	\$7,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Smoke Detectors, Alarm Bells, Manual Pull Stations, Horns, Strobe Lights</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil No 2	100%			2057	**	5	\$3,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Buried Outside Of Building</i>								
<i>Explanation : One 5,000 Gallon Oil Tank</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER - S.I.
Asset # : 1997

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Conversion Equipment Hot Water Boiler	100%			2048	**	1	\$5,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : One Hot Water Boiler</i>								
Distribution Hot Wtr Piping/Pump	100%			2053	**	4	\$800	
Terminal Devices Air Handler	85%			2039	**	1	\$5,900	
Convector/Radiator	15%			2048	**	1	\$500	
Air Conditioning								
Energy Source Electricity	100%			2047	**	1		
Conversion Equipment Centrifugal, Elec Chiller	80%			2034	**	1	\$9,600	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : Two Packaged Air-cooled Chillers Located In Back Yard</i>								
No Component	20%							
Distribution CW & CHW Wtr Pipe/Pump	80%			2041	**	4	\$700	
No Component	20%							
Terminal Devices Air Handler/Cool/Ht	60%			2039	**	1	\$4,100	
Fan Coil - 2 Pipe	20%			2039	**	1	\$700	
No Component	20%							
Ventilation								
Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,200	
Exhaust Fans Roof	100%			2039	**	2	\$300	
Plumbing								
H/C Water Piping Brass/Copper	100%			2051	**	1		
Water Heater With Tanks Electric	100%			2029	\$23,100	4		
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sewage Ejector(s) Electric	100%			2039	**	4	\$400	
Backflow Preventer Generic	100%			2036	**	1	\$700	
Fixtures Generic	100%							

Fire Suppression

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER - S.I.
Asset # : 1997

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression								
Sprinkler								
	No Component	85%						
	Generic	15%			2057	**	1-2	\$500
Chemical System								
	Generic	100%			2030	\$79,700	1-3	\$80,900
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : One Wet Set In Kitchen, Two Dry Sets Fm-200 In Communication Room And Server Rooms, One Dry Set Fm-200 In Breaker Room</i>								
<i>Explanation : Four Sets Of Fire Suppression Systems</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : COMMUNICATIONS CENTER-BRONX
Address : 1129 EAST 180TH STREET @ BRONX PARK
Borough : BRONX Agency's Number : N/A
Program / Asset # : FIR0007.010 / 1996 Yr Built/Renovated : 1915 / 2007
Area Sq Ft : 11,327 Project Type : FIRE DEPARTMENT
Date of Survey : 14-Jan-2020 Landmark Status : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 4333 Lot : 1 BIN : 2101003

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$67,000	
Interior Architecture		\$635,600
Mechanical		\$165,900
Total	\$67,000	\$801,500
Importance Code A	\$67,000	
Importance Code B		\$165,900
Importance Code C		\$635,600
Total	\$67,000	\$801,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$75,100		\$3,500	\$1,400
Interior Architecture	\$4,000	\$5,200	\$300	\$4,400
Electrical	\$2,100	\$4,400	\$12,200	\$2,200
Mechanical	\$9,900	\$8,600	\$19,000	\$9,100
Total	\$91,200	\$18,300	\$35,000	\$17,100
Importance Code A	\$75,700	\$600	\$4,000	\$2,000
Importance Code B	\$15,500	\$17,500	\$30,900	\$13,500
Importance Code C		\$200		\$1,600
Total	\$91,200	\$18,300	\$35,000	\$17,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-BRONX
Asset # : 1996

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	7%	4+	\$34,400	LIFE	**	5	\$13,800	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Window Sill And Door Openings</i>								
Masonry: Brick	82%	4+	\$33,400	LIFE	**	5	\$20,800	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Facade</i>								
Masonry: Limestone	5%	Now	\$7,300	LIFE	**	5	\$1,000	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Balustrade</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Balustrade Throughout</i>								
Metal: Cage/Fence	1%			2048	**	5	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Decorative Grilles At Window Openings</i>								
Stucco Cement	2%			2036	**	5	\$1,300	
Window Wall	3%			2057	**	5	\$2,800	
Windows								
Aluminum	97%			2053	**	5	\$3,300	
Metal Louvers	3%			2040	**	10	\$600	
Roof								
Clay Tile	90%	Now	\$67,000	2051	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Ice Breakers Missing</i>								
Copper/Terne	7%			2066	**	10	\$2,800	
Panel/Paver: Cer/Brk	3%			2041	**	10	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Entry Portico</i>								
<i>Explanation : Walking Surface Over Vault</i>								
Soffits								
Cast Stone/Terra Cotta	100%			LIFE	**	5		
Interior								
Floors								
Carpet	27%			2030	\$79,100	3	\$9,200	
Cast in Place Concrete	25%			LIFE	**	5	\$9,300	
Ceramic Tile	3%			2040	**	5	\$500	
Quarry Tile	2%			2036	**	5	\$500	
Raised Access Floor	15%			2040	**	5	\$9,500	
Terrazzo	5%			LIFE	**	5	\$700	
Vinyl Tile	23%			2036	**	3	\$1,900	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-BRONX
Asset # : 1996

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	3%			2040	**	5	\$400	
Concrete Masonry Unit	5%			LIFE	**	5	\$300	
Fabric on Framing	45%			2032	\$635,600	5	\$3,200	
Gypsum Board	15%			LIFE	**	5	\$1,300	
Masonry: Brick	10%			LIFE	**			
Plaster	20%			LIFE	**	5	\$900	
Wood	2%			LIFE	**	5	\$1,100	
Ceilings								
AcousTileSusp.Lay-In	15%			2044	**	5	\$2,500	
Exposed Struc: Concrete	20%			LIFE	**	5	\$500	
Gypsum Board	15%			LIFE	**	5	\$3,200	
Plaster	50%			LIFE	**	5	\$5,300	
Site Enclosure								
Fence/Gates								
Chain Link	75%			2051	**			
Iron Picket	25%			2066	**			
Retaining Walls								
Masonry: Brick	100%			2051	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			
On-Site Walkways								
Cast in Place Concrete	95%			2044	**			
Masonry: Granite	3%			LIFE	**			
Pavers/Stone	2%			2040	**			
Parking/Driveway								
Asphalt	100%			2040	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2051	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 2,000 Amperes.</i>								
Transformers								
Dry Type	100%			2044	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 225 Kilovolt-amperes, 480/208/120 Volts</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2051	**	5		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-BRONX
Asset # : 1996

Electrical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Raceway								
Conduit	100%			2051	**	1		
Panelboards								
Molded Case Bkrs	100%			2047	**	5	\$300	
Wiring								
Thermoplastic	100%			2051	**	1		
Motor Controllers								
Locally Mounted	100%			2044	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	**	1	\$3,500	
Generators								
Diesel	20%			2040	**	1	\$900	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
			<i>Explanation : Two Emergency Generator Rated At 125 Kilovolt-amperes Each.</i>					
Diesel	80%			2040	**	1	\$3,500	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Generator Room</i>					
			<i>Explanation : Two Emergency Generator Rated At 638 Kilovolt-amperes Each.</i>					
Batteries								
Lead/Acid	100%			2025	\$2,400	5	\$400	
Fuel Storage								
Day Tank	5%			2047	**	5		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Generator Room</i>					
			<i>Explanation : 250 Gallons Rated Capacity</i>					
Underground Storage	95%			LIFE	**	5		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Underground</i>					
			<i>Explanation : 5,000 Gallons Rated Capacity</i>					
Lighting								
Interior Lighting								
Fluorescent	90%			2036	**	10	\$9,400	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
			<i>Explanation : T-8 Lamps</i>					
Fluorescent	7%			2036	**	10	\$700	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Corridors</i>					
			<i>Explanation : Compact Fluorescent Lights</i>					
LED	3%			2039	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-BRONX
Asset # : 1996

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Egress Lighting								
Emergency, Service	50%			2036	**	1		
Emergency, Battery	10%			2036	**	10	\$300	
Exit, Service	40%			2036	**	1		
<hr/>								
Exterior Lighting								
LED	20%			2036	**			
No Component	80%							
<hr/>								
Lightning Protection								
Arresters/Cabling								
No Component	90%							
Generic	10%			2059	**	5		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Tower Only</i>					
			<i>Explanation : Lightning Rods</i>					
<hr/>								
Alarm								
Security System								
Generic	100%			2036	**	1	\$4,200	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
			<i>Explanation : CCTV Surveillance Cameras And Intrusion Alarm System</i>					
<hr/>								
Fire/Smoke Detection								
Generic, Analog	100%			2036	**	1-3	\$7,200	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
			<i>Explanation : Strobe Lights, Manual Pull Stations, Alarm Bells, Manual Pull Stations, Smoke Detectors</i>					
<hr/>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil No 2	100%			2051	**	5	\$3,500	
<hr/>								
Conversion Equipment								
Hot Water Boiler	100%			2044	**	1	\$5,600	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement Boiler Room</i>					
			<i>Explanation : 2 Units</i>					
<hr/>								
Distribution								
Hot Wtr Piping/Pump	100%			2047	**	4	\$600	
<hr/>								
Terminal Devices								
Air Handler	60%			2036	**	1	\$4,200	
Convactor/Radiator	40%			2044	**	1	\$1,500	
<hr/>								
Air Conditioning								
Energy Source								
Electricity	100%			2047	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-BRONX
Asset # : 1996

Mechanical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Centrifugal, Elec Chiller	90%			2040	**	1	\$11,000	
		<i>R-22 Refrigerant, Extent : Light, Area Affected : 90%</i>						
		<i>Location : Outside In The Yard</i>						
No Component	10%							
Distribution								
CW & CHW Wtr Pipe/Pump	90%			2051	**	4	\$500	
No Component	10%							
Terminal Devices								
Air Handler/Cool/Ht	70%			2036	**	1	\$4,900	
Fan Coil - 2 Pipe	20%			2036	**	1	\$700	
No Component	10%							
Heat Rejection								
Air Cooled Condenser Unit	90%			2036	**	2	\$7,100	
No Component	10%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,300	
Exhaust Fans								
Interior	100%			2036	**	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	**	1		
Water Heater With Tanks								
Oil Fired	100%			2029		1	\$86,200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 Units</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							
Vertical Transport								
Elevators								
Hydraulic	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : At Back Of Building,</i>						
		<i>Explanation : For Handicap Use Only</i>						
Fire Suppression								
Sprinkler								
No Component	30%							
Generic	70%			2051	**	1-2	\$2,200	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-BRONX**

Asset # : 1996

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Fire Suppression

Chemical System

Generic

100%

2029

\$79,700

1-3

\$74,400

Other Observation, Extent : Light, Area Affected : 100%

Location : 1 Wet Set In Kitchen, 1 Dry Set (Fm-200) In Communication Room

Explanation : 2 Sets

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.*

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : COMMUNICATIONS CENTER-BROOKLYN
Address : 35 EMPIRE BLVD @ WASHINGTON AVE.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIR0005.010 / 1994 **Yr Built/Renovated** : 1916 / 2016
Area Sq Ft : 10,826 **Project Type** : FIRE DEPARTMENT
Date of Survey : 30-Jun-2020 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,Att
Block : 1183 **Lot** : 51 **BIN** : 3029669

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$388,800	
Total	\$388,800	
Importance Code A	\$388,800	
Total	\$388,800	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$12,800		\$4,600	
Interior Architecture	\$6,100	\$3,600	\$1,300	\$3,800
Electrical	\$1,700	\$1,500	\$4,400	\$1,900
Mechanical	\$7,800	\$7,600	\$6,100	\$11,300
Site Enclosure	\$4,600			
Site Pavements	\$12,600			
Total	\$45,700	\$12,700	\$16,400	\$17,000
Importance Code A	\$13,400	\$500	\$5,100	\$600
Importance Code B	\$15,100	\$12,200	\$11,300	\$16,400
Importance Code C	\$17,200			
Total	\$45,700	\$12,700	\$16,400	\$17,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-BROOKLYN
Asset # : 1994

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	12%	4+	\$129,600	LIFE	**	5	\$23,700	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Side Facade</i>								
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Cornices And Decorative Elements</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Cornices And Decorative Elements</i>								
Masonry: Brick	80%	0-2	\$259,200	LIFE	**	5	\$20,300	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Rear Facade</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Corner</i>								
Masonry: Limestone	8%	4+	\$12,800	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Sills And Lintels</i>								
Windows								
Aluminum	100%			2053	**	5	\$3,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Bullet Resistant Glass And Protective Metal Grilles</i>								
Roof								
Clay Tile	95%			2051	**	10	\$15,400	
Panel/Paver: Cer/Brk	5%			2041	**	10	\$1,100	
Soffits								
Stucco Cement	100%			2036	**	5	\$9,100	
<i>Recent Repair Evident, Extent : N/A, Area Affected : 10%</i>								
<i>Location : Entry Portico</i>								
Interior								
Floors								
Carpet	45%			2030	\$144,600	3	\$15,300	
Cast in Place Concrete	25%			LIFE	**	5	\$9,300	
Ceramic Tile	5%			2040	**	5	\$800	
Quarry Tile	5%			2044	**	5	\$1,300	
Raised Access Floor	10%			2040	**	5	\$6,400	
Sheet Vinyl/Rubber	10%			2036	**	5	\$2,500	
Interior Walls								
Gypsum Board	85%			LIFE	**	5	\$7,300	
Masonry: Brick	15%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	20%			2044	**	5	\$3,400	
Exposed Struc: Concrete	40%			LIFE	**	5	\$1,100	
Plaster	40%			LIFE	**	5	\$4,200	
Site Enclosure								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-BROOKLYN
Asset # : 1994

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Enclosure								
Fence/Gates								
Chain Link	50%			2041		**		
Iron Picket	50%	4+	\$4,600	2066		**		
<i>Impact Damage, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Along Washington Avenue</i>								
Retaining Walls								
Cast in Place Concrete	100%			2051		**		
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2036		**		
On-Site Walkways								
Cast in Place Concrete	100%	4+	\$5,100	2044		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Around Manholes</i>								
Parking/Driveway								
Asphalt	80%	4+	\$7,500	2040		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Driveway And Rear Gate</i>								
Cast in Place Concrete	20%			2044		**		

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Air Circuit Breaker	100%			2057		**	5	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Two Low Voltage Power Circuit Breaker Disconnect Switches Rated At 1600 Amperes Each</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2057		**	5	\$300
Raceway								
Conduit	100%			2057		**	1	
Panelboards								
Fused Disc Sw	5%			2053		**	5	
Molded Case Bkrs	95%			2053		**	5	\$300
Wiring								
Thermoplastic	100%			2057		**	1	
Motor Controllers								
Variable Frequency Drive	100%			2048		**		
Ground								
Grounding Devices								
Generic	100%			LIFE		**	5	\$200
Stand-by Power								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-BROOKLYN
Asset # : 1994

Electrical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Stand-by Power								
Transfer Switches								
Automatic	100%			2048	**	1	\$3,300	
Generators								
Diesel	100%			2044	**	1	\$4,200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : Two Diesel Generators Rated At 450 Kilowatts Each.</i>						
Batteries								
Lead/Acid	100%			2026	\$2,600	5	\$400	
Fuel Storage								
Day Tank	20%			2053	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 275 Gallons Rated Capacity</i>						
Main Tank	80%			2066	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Underground</i>						
		<i>Explanation : 3000 Gallons Rated Capacity</i>						
Lighting								
Interior Lighting								
Fluorescent	30%			2039	**	10	\$3,000	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : T-5 Lamps</i>						
LED	70%			2039	**			
Egress Lighting								
Emergency, Service	45%			2039	**	1		
Emergency, Battery	5%			2039	**	10	\$100	
Exit, LED	50%			2066	**	1		
Exterior Lighting								
LED	20%			2039	**			
No Component	80%							
Lightning Protection								
Arresters/Cabling								
Generic	100%			2066	**	5	\$200	
Alarm								
Security System								
No Component	60%							
Generic	40%			2039	**	1	\$1,600	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Lobby, Hallways, Outside Perimeter</i>						
		<i>Explanation : CCTV Surveillance Cameras</i>						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-BROOKLYN
Asset # : 1994

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Fire/Smoke Detection
Generic, Analog

100%

2039

* *

1-3

\$6,900

Other Observation, Extent : Light, Area Affected : 100%

Location : Throughout The Building

Explanation : Strobe Lights, Manual Pull Stations, Alarm Bells, Smoke Detectors And Horns

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Fuel Oil No 2

100%

2057

* *

5

\$3,400

Conversion Equipment

Hot Water Boiler

100%

2048

* *

1

\$5,400

Recent Replace Evident, Extent : N/A, Area Affected : 100%

Location : Basement Boiler Room

Distribution

Hot Wtr Piping/Pump

100%

2053

* *

4

\$800

Terminal Devices

Air Handler

70%

2039

* *

1

\$4,700

Convactor/Radiator

30%

2048

* *

1

\$1,100

Air Conditioning

Energy Source

Electricity

100%

2053

* *

1

Conversion Equipment

Centrifugal, Elec Chiller

100%

2044

* *

1

\$11,700

Other Observation, Extent : Light, Area Affected : 100%

Location : Backyard

Explanation : 2 Units. R-410a

Distribution

CW & CHW Wtr
Pipe/Pump

100%

2057

* *

4

\$800

Terminal Devices

Air Handler/Cool/Ht

75%

2039

* *

1

\$5,000

Fan Coil - 2 Pipe

25%

2039

* *

1

\$900

Heat Rejection

Air Cooled Condenser
Unit

100%

2039

* *

2

\$7,500

Ventilation

Distribution

Ductwork/Diffusers

100%

LIFE

* *

2-5

\$6,000

Exhaust Fans

Interior

100%

2039

* *

2

\$300

Plumbing

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-BROOKLYN
Asset # : 1994

Mechanical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing							
H/C Water Piping Brass/Copper	100%		2057	**	1		
Water Heater With Tanks Not Accessible	100%						
Sanitary Piping Cast Iron	100%		LIFE	**	1		
Backflow Preventer Generic	100%		2039	**	1	\$700	
Fixtures Generic	100%						
Fire Suppression							
Sprinkler Generic	100%		2057	**	1-2	\$3,000	
Chemical System Dry	20%		2030	\$34,900	1-3	\$31,600	
		<i>Dry System, Extent : Light, Area Affected : 100%</i>					
		<i>Location : Communication Room</i>					
		<i>Explanation : 2 Sets, Fm-200</i>					
No Component	80%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : COMMUNICATIONS CENTER-MANHATTAN
Address : 79TH STREET TRANSVERSE ROAD CENTRAL PARK
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0004.010 / 1993 **Yr Built/Renovated** : 1915 / 2012
Area Sq Ft : 6,381 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Jun-2020 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1
Block : 1111 **Lot** : 1 **BIN** : 1083814

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$262,300	
Electrical	\$35,000	\$104,900
Mechanical		\$87,300
Total	\$297,300	\$192,200
Importance Code A	\$262,300	
Importance Code B	\$35,000	\$192,200
Total	\$297,300	\$192,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$43,000		\$44,700	
Interior Architecture	\$15,900			\$100
Electrical	\$700	\$3,300	\$6,600	\$600
Mechanical	\$14,500	\$6,200	\$36,800	\$12,800
Site Enclosure	\$100			
Total	\$74,300	\$9,600	\$88,100	\$13,500
Importance Code A	\$43,300	\$300	\$45,100	\$300
Importance Code B	\$30,800	\$9,300	\$43,000	\$13,300
Importance Code C	\$100			
Total	\$74,300	\$9,600	\$88,100	\$13,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-MANHATTAN
Asset # : 1993

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	30%	Now	\$138,200	LIFE	**	5	\$25,300	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 30%</i>								
<i>Location : All Facades</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Rear Facade</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Rear Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Cornice Trim</i>								
Masonry: Brick	2%			LIFE	**	5	\$200	
Masonry: Granite	68%	0-2	\$124,100	LIFE	**	5	\$5,500	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rear Facade</i>								
Windows								
Aluminum	90%			2053	**	5	\$2,400	
Metal Louvers	10%			2034	**	10	\$1,700	
Parapets								
Cast Stone/Terra Cotta	100%	Now	\$41,300	LIFE	**	5	\$26,300	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Sout East Corner</i>								
Roof								
Copper/Terne	90%			2046	**	10	\$40,200	
Copper/Terne	10%			2066	**	10	\$4,500	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : At Roof Penetrations And Eastern Step Down Roof</i>								
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$8,400	
Ceramic Tile	10%			2044	**	5	\$1,000	
Vinyl Tile	10%			2039	**	3	\$500	
Under Construction	40%							
Interior Walls								
Concrete Masonry Unit	25%			LIFE	**	5	\$1,100	
Gypsum Board	10%			LIFE	**	5	\$700	
Masonry: Brick	15%			LIFE	**			
Plaster	10%			LIFE	**	5	\$300	
Under Construction	40%							
Ceilings								
AcousTileSusp.Lay-In	10%			2048	**	5	\$1,000	
Exposed Struc: Concrete	50%	4+	\$15,300	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Under Construction	40%							
Site Enclosure								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-MANHATTAN
Asset # : 1993

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Enclosure

Fence/Gates

Iron Picket

70% 4+ \$100 2051 **

*Corrosion/Rusting, Extent : Severe, Area Affected : 80%**Location : Rear Of Building*

Masonry: Fieldstone

30% 2041 **

Site Pavements

On-Site Walkways

Cast in Place Concrete

100% 2044 **

Parking/Driveway

Asphalt

100% 2034 **

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Molded Case Bkrs

100% 2051 ** 5 \$200

*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room Basement**Explanation : Two 1,200 Ampere Main Disconnect Switches*

Transformers

Dry Type

100% 2029 \$28,600 5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room Basement**Explanation : 75 Kilovolt Ampere, 208/120 Volts*

Switchgear / Switchboard

Fused Disc Sw

60% 2031 \$69,700 5

Molded Case Bkrs

40% 2051 ** 5 \$100

Raceway

Conduit

60% 2031 \$10,400 1

Conduit

40% 2051 ** 1

Panelboards

Fused Disc Sw

5% 2047 ** 5

Molded Case Bkrs

40% 2030 \$8,600 5 \$100

Molded Case Bkrs

55% 2047 ** 5 \$100

Wiring

Thermoplastic

40% 2031 \$9,000 1

Thermoplastic

60% 2051 ** 1

Motor Controllers

Locally Mounted

70% 2029 \$35,200 5

Locally Mounted

30% 2044 ** 5

Ground

Grounding Devices

Generic

100% LIFE ** 5 \$100

Stand-by Power

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-MANHATTAN
Asset # : 1993

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	**	1	\$2,000	
Generators								
Diesel	100%			2040	**	1	\$2,500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Generator Room</i>						
		<i>Explanation : Two 300 Kilowatt Diesel Generators</i>						
Batteries								
Lead/Acid	100%			2025	\$2,600	5	\$200	
Fuel Storage								
Day Tank	50%			2047	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Generator Room</i>						
		<i>Explanation : Two 275 Gallon Capacity</i>						
Underground Storage	50%			LIFE	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Underground</i>						
		<i>Explanation : One 5000 Gallons</i>						
Lighting								
Interior Lighting								
Fluorescent	30%			2026	\$35,000	10	\$1,800	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : T-12 Lamps</i>						
Fluorescent	70%			2036	**	10	\$4,100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : T-8 Lamps</i>						
Egress Lighting								
Emergency, Service	48%			2036	**	1		
Emergency, Battery	2%			2036	**	10		
Exit, LED	50%			2059	**	1		
Exterior Lighting								
LED	20%			2036	**			
No Component	80%							
Lightning Protection								
Arresters/Cabling								
Generic	100%			2059	**	5	\$200	
Alarm								
Security System								
No Component	80%							
Generic	20%			2036	**	1	\$500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Inside And Outside</i>						
		<i>Explanation : CCTV Surveillance System And Intrusion Alarm System</i>						

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FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-MANHATTAN
Asset # : 1993

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Fire/Smoke Detection

No Component

80%

Generic, Digital

20%

2036

* *

1-3

\$800

*Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout The Building**Explanation : Strobe Lights, Manual Pull Stations, Alarm Bells, Horns And Smoke**Detectors*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Electricity

10%

2041

* *

1

Fuel Oil No 2

90%

2041

* *

5

\$1,800

Conversion Equipment

Hot Water Boiler

90%

2044

* *

1

\$2,800

*Other Observation, Extent : Light, Area Affected : 90%**Location : Basement Boiler Room**Explanation : 2 Units*

Radiant Heater

10%

2036

* *

2

\$300

Distribution

Hot Wtr Piping/Pump

90%

2047

* *

4

\$300

No Component

10%

Terminal Devices

Convactor/Radiator

90%

2044

* *

1

\$1,900

No Component

10%

Air Conditioning

Energy Source

Electricity

100%

2047

* *

1

Conversion Equipment

Centrifugal, Elec Chiller

30%

2040

* *

1

\$2,100

*R-22 Refrigerant, Extent : Light, Area Affected : 30%**Location : Back Yard*

Split Unit

10%

Now

\$1,600

2036

* *

*Leak Evident, Extent : Moderate, Area Affected : 100%**Location : Basement**Other Observation, Extent : Light, Area Affected : 10%**Location : Back Yard**Explanation : 2 Units. R-410a*

No Component

60%

Distribution

CW & CHW Wtr

30%

2051

* *

4

\$100

Pipe/Pump

No Component

70%

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FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-MANHATTAN
Asset # : 1993

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Terminal Devices								
Fan Coil - 2 Pipe	40%			2039	**	1	\$800	
No Component	60%							
Heat Rejection								
Air Cooled Condenser Unit	30%			2036	**	2	\$1,300	
Dry Cooler	10%			2039	**	2	\$400	
No Component	60%							
Ventilation								
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : Communication Equipment Room, Basement</i>								
<i>Explanation : New Ductwork</i>								
No Component	70%							
Exhaust Fans								
Roof	30%			2026	\$4,000	2	\$100	
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	**	1		
Water Heater With Tanks								
Electric	100%			2026	\$25,300	4		
Sanitary Piping								
Cast Iron	50%			LIFE	**	1		
Cast Iron	50%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%			2031	\$1,400	4	\$100	
Sewage Ejector(s)								
Electric	100%			2036	**	4	\$400	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Dry	100%			2030	\$87,300	1-3	\$78,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Communication Room</i>								
<i>Explanation : Fm-200</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : COMMUNICATIONS CENTER-QUEENS
Address : 83-98 WOODHAVEN BOULEVARD @ PARK LANE SOUTH
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0006.010 / 1995 **Yr Built/Renovated** : 1925 / 2006
Area Sq Ft : 9,804 **Project Type** : FIRE DEPARTMENT
Date of Survey : 15-Jan-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1
Block : 3866 **Lot** : 70 **BIN** : 4439147

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$81,900	
Interior Architecture		\$522,500
Mechanical	\$43,100	\$534,700
Total	\$125,100	\$1,057,200
Importance Code A	\$81,900	
Importance Code B	\$43,100	\$534,700
Importance Code C		\$522,500
Total	\$125,100	\$1,057,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$50,700		\$700	\$2,000
Interior Architecture	\$15,800	\$5,900		\$3,200
Electrical	\$1,100	\$3,500	\$9,600	\$1,100
Mechanical	\$2,900	\$3,900	\$6,000	\$4,300
Site Enclosure	\$26,800			
Site Pavements	\$13,600			
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$114,800	\$17,300	\$20,300	\$14,600
Importance Code A	\$51,100	\$500	\$1,200	\$2,500
Importance Code B	\$38,900	\$16,400	\$19,100	\$11,300
Importance Code C	\$24,800	\$400		\$900
Total	\$114,800	\$17,300	\$20,300	\$14,600



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-QUEENS
Asset # : 1995

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%	0-2	\$81,900	LIFE	**	5	\$20,400	
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Window Lintels</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Masonry: Granite	3%			LIFE	**	5	\$500	
Masonry: Limestone	10%	Now	\$27,700	LIFE	**	5	\$1,800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Woodhaven Boulevard Facade</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Cornices</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Cornices</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Drip Edges Under Window Sills</i>								
<i>Other Observation, Extent : N/A, Area Affected : 2%</i>								
<i>Location : Woodhaven Boulevard</i>								
<i>Explanation : Tree Fell On Side Of Building October 2019</i>								
Metal Coiling Doors	2%			2036	**	5	\$1,500	
Windows								
Aluminum	10%			2047	**	5	\$400	
Aluminum	90%			2047	**	5	\$3,700	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Bullet Resistant Glass</i>								
Roof								
Clay Tile	95%	Now	\$23,000	2051	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : N/A, Area Affected : 2%</i>								
<i>Location : Woodhaven Boulevard Facade</i>								
<i>Explanation : Tree Fell On Side Of Building October 2019</i>								
Copper/Terne	5%			2059	**	10	\$4,900	
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-QUEENS
Asset # : 1995

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Carpet	30%	4+	\$1,400	2030	\$71,100	3	\$6,200	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : First Floor Main Area</i>								
Cast in Place Concrete	20%	Now	\$4,600	LIFE	**	5	\$6,000	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Facade In Boiler Room</i>								
Ceramic Tile	5%			2040	**	5	\$700	
Quarry Tile	2%	2-4	\$400	2036	**	5	\$200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Below Sink In Kitchen</i>								
Raised Access Floor	20%			2040	**	5	\$10,300	
Terrazzo	5%	2-4	\$1,300	LIFE	**	5	\$500	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Entry</i>								
Vinyl Tile	18%			2036	**	3	\$1,200	
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	5%			2040	**	5	\$900	
Fabric on Framing	20%			2032	\$522,500	5	\$1,800	
Gypsum Board	35%			LIFE	**	5	\$3,700	
Masonry: Brick	10%			LIFE	**			
Plaster	5%	Now	\$1,300	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Communication Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : South Wall Room B-07, Communication Room Has Leak Repaired But Interior Damage Not Resolved</i>								
Plaster	15%			LIFE	**	5	\$800	

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FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-QUEENS
Asset # : 1995

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	45%	Now	\$5,000	2044	**	5	\$3,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 1%</i>								
<i>Location : First Floor</i>								
<i>Misaligned/Bulging, Extent : Light, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 2%</i>								
<i>Location : First Floor</i>								
AcousTileSusp.Lay-In	5%	4+	\$600	2044	**	5	\$300	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Kitchen</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Metal Panels</i>								
Exposed Struc: Concrete	20%			LIFE	**	5	\$400	
Exposed Struc: Steel	5%			LIFE	**			
Gypsum Board	10%			LIFE	**	5	\$1,700	
Plaster	5%	Now	\$1,000	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Communication Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Communication Room Has Leak Repaired At Roof But Interior Damage Not Resolved</i>								
Plaster	10%			LIFE	**	5	\$900	
Site Enclosure								
Fence/Gates								
Aluminum Rail	10%	Now	\$1,000	2044	**	5	\$2,300	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Main Entry Railing</i>								
Iron Picket	90%	Now	\$8,800	2066	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Base At Connections To Concrete</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Woodhaven Boulevard</i>								
<i>Explanation : Gate Is Misaligned</i>								
Retaining Walls								
Cast in Place Concrete	100%	Now	\$16,900	2066	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Cheak Wall At Main Entry Steps</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At Railing Post Connections</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	75%			2044	**			
Pavers/Stone	25%			2040	**			

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FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-QUEENS
Asset # : 1995

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%			2044	**			
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Parking/Driveway

Asphalt	100%	Now	\$13,600	2040	**			
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*Potholes, Extent : Severe, Area Affected : 10%**Location : Rear Parking And Driveway*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2051	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room Basement**Explanation : One 2,000 Ampere Main Disconnect Switch*

Transformers

Dry Type	100%			2044	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room Basement**Explanation : One 225 Kilovolt-ampere, 480/208/120 Volts*

Switchgear / Switchboard

Air Circuit Breaker	10%			2051	**	5		
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Fused Disc Sw	90%			2051	**	5		
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Raceway

Conduit	100%			2051	**	1		
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Panelboards

Fused Disc Sw	5%			2047	**	5		
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Molded Case Bkrs	95%			2047	**	5	\$200	
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Wiring

Thermoplastic	100%			2051	**	1		
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Motor Controllers

Locally Mounted	100%			2044	**	5		\$100
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Ground

Grounding Devices

Generic	100%			LIFE	**	5		\$100
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Water Meter Room**Explanation : Connected To Main Water Pipe*

Stand-by Power

Transfer Switches

Automatic	100%			2044	**	1		\$3,000
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-QUEENS
Asset # : 1995

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Generators								
Diesel	50%			2040	**	1	\$1,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : Two 638 Kilovolt-ampere</i>								
Diesel	50%			2040	**	1	\$1,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside The Building</i>								
<i>Explanation : Two 125 Kilovolt-ampere</i>								
Batteries								
Lead/Acid	100%			2025	\$2,400	5	\$400	
Fuel Storage								
Day Tank								
	50%			2047	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Two 265 Gallons</i>								
Underground Storage								
	50%			LIFE	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Underground</i>								
<i>Explanation : 5,000 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent								
	70%			2036	**	10	\$5,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	30%			2036	**	10	\$2,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Corridors And Offices</i>								
<i>Explanation : Compact Fluorescent Lamps</i>								
Egress Lighting								
Emergency, Service	50%			2036	**	1		
Emergency, Battery	10%			2036	**	10	\$200	
Exit, Service	40%			2036	**	1		
Exterior Lighting								
HID	20%			2036	**	10		
No Component	80%							
Alarm								
Security System								
No Component	70%							
Generic	30%			2036	**	1	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Inside And Outside The Building</i>								
<i>Explanation : CCTV Surveillance System And Intrusion Alarm System</i>								

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FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-QUEENS
Asset # : 1995

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Fire/Smoke Detection

No Component

70%

Generic, Digital

30%

2036

* *

1-3

\$1,900

*Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout The Building**Explanation : Strobe Lights, Manual Pull Stations, Alarm Bells, Smoke Detectors, Horns*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Fuel Oil No 2

100%

2041

* *

5

\$2,800

Conversion Equipment

Hot Water Boiler

100%

2036

* *

1

\$4,500

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 2 Units*

Distribution

Hot Wtr Piping/Pump

100%

2047

* *

4

\$500

Terminal Devices

Air Handler

55%

2031

\$92,700

1

\$3,100

Convactor/Radiator

20%

2036

* *

1

\$600

Fan Coil Unit/Heat

25%

2031

\$55,500

1

\$700

Air Conditioning

Energy Source

Electricity

100%

2047

* *

1

Conversion Equipment

Interior Pkg Unit - Cooling

15%

2032

\$21,200

2

\$100

*R-22 Refrigerant, Extent : Light, Area Affected : 15%**Location : 4 Units, Communication Room*

Reciprocating Compr/Chiller

85%

2031

\$112,300

1

\$3,600

*R-22 Refrigerant, Extent : Light, Area Affected : 100%**Location : Back Yard*

Distribution

CW & CHW Wtr Pipe/Pump

85%

2051

* *

4

\$400

No Component

15%

Terminal Devices

Air Handler/Cool/Ht

35%

2031

\$60,800

1

\$2,000

Fan Coil - 4 Pipe

50%

2031

\$170,300

1

\$1,500

No Component

15%

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FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-QUEENS
Asset # : 1995

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Air Conditioning								
Heat Rejection								
	Air Cooled Condenser Unit	85%			2031	\$22,000	2	\$5,400
	Dry Cooler	15%			2036	**	2	\$1,000
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,100
Exhaust Fans								
	Interior	100%			2036	**	2	\$300
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2051	**	1	
Water Heater With Tanks								
	Oil Fired	50%			2026	\$43,100	1	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						
	Oil Fired	50%			2030	\$43,100	1	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Fixtures								
	Generic	100%						
Vertical Transport								
Elevators								
	Hydraulic	100%			LIFE	**		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement To 1st Floor</i>						
		<i>Explanation : 1 Unit</i>						
Fire Suppression								
Sprinkler								
	Generic	100%			2051	**	1-2	\$2,600
Chemical System								
	No Component	85%						
	Generic	15%			2029	\$12,000	1-3	\$11,200
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1 Wet Set In Kitchen, 2 Dry Sets In Communication Room</i>						
		<i>Explanation : 3 Sets</i>						

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS 22 AND FDNY FLEET SERVICES, BUILDING 50 -INTEGRATED FACILITY
Address : SEAVIEW HOSPITAL 460 BRIELLE AVE CO-LOCATION WITH ASSET 13433
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSEMS.022 / 14007 **Yr Built/Renovated** : 1999 /
Area Sq Ft : 10,515 **Project Type** : FIRE DEPARTMENT
Date of Survey : 19-Nov-2020 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 955 **Lot** : 1 **BIN** : 5113197

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$579,500	\$322,600
Interior Architecture	\$50,200	
Electrical		\$83,200
Mechanical		\$189,400
Site Pavements	\$396,300	
Total	\$1,026,000	\$595,100
Importance Code A	\$579,500	\$322,600
Importance Code B	\$50,200	\$272,600
Importance Code C	\$396,300	
Total	\$1,026,000	\$595,100

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$164,100			\$600
Interior Architecture	\$4,900	\$2,100	\$1,100	
Electrical	\$900	\$4,000	\$900	\$3,000
Mechanical	\$2,400	\$1,000	\$5,400	\$19,300
Site Enclosure	\$14,500			
Site Pavements	\$20,000			
Total	\$206,800	\$7,100	\$7,400	\$23,000
Importance Code A	\$164,600	\$500	\$500	\$1,200
Importance Code B	\$5,200	\$6,600	\$6,200	\$21,800
Importance Code C	\$37,000		\$700	
Total	\$206,800	\$7,100	\$7,400	\$23,000



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS 22 AND FDNY FLEET SERVICES, BUILDING 50 -INTEGRATED FACILITY
Asset # : 14007

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	10%	Now	\$132,300	LIFE	**	5	\$17,200	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i> <i>Location : Concrete Base Column Supports At Covered Walkway</i> <i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i> <i>Location : Column Supports At Covered Walkway</i> <i>Efflorescence, Extent : Moderate, Area Affected : 15%</i> <i>Location : Column Supports At Covered Walkway</i> <i>Spalling, Extent : Moderate, Area Affected : 10%</i> <i>Location : Column Supports At Covered Walkway</i> <i>Staining/Discoloring, Extent : Light, Area Affected : 20%</i> <i>Location : Fire Department Garage. Perimeter Walls</i> <i>Vegetation Growth, Extent : Moderate, Area Affected : 10%</i> <i>Location : Base Of Building</i> <i>Other Observation, Extent : Severe, Area Affected : 100%</i> <i>Location : Front</i> <i>Explanation : Steel Column At Front Walk Way Rusting And Peeling Paint.</i>								
Masonry: Brick Cavity	29%	0-2	\$186,200	LIFE	**	5	\$10,000	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 30%</i> <i>Location : Front And Rear Facade</i>								
Metal, Corrugated	20%	0-2	\$29,100	2052	**	1		
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 50%</i> <i>Location : Corrugated Metal Panels Exterior Facades</i>								
Metal Panel	20%	Now	\$24,400	2052	**	5	\$12,900	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i> <i>Location : Rooftop Metal Enclosure Panels</i> <i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i> <i>Location : Bulkhead Stair And Rooftop Mechanical Enclosure. Emergency Medical Services Roof</i> <i>Deformed/Dented, Extent : Severe, Area Affected : 30%</i> <i>Location : Rooftop Enclosure Panels</i>								
Metal Sect. OHD	10%	Now	\$53,500	2037	**	5	\$5,400	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 15%</i> <i>Location : Fire Department Garage Doors At Base And Framing</i>								
Pre-Cast Concrete	5%	Now	\$26,700	LIFE	**	5	\$5,600	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i> <i>Location : Throughout</i>								
Weathering Steel	5%	Now	\$16,300	LIFE	**	1		
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i> <i>Location : Scuppers At Roof</i> <i>Other Observation, Extent : Moderate, Area Affected : 15%</i> <i>Location : Column Supports At Covered Walkway</i> <i>Explanation : Corrosion / Rusting</i>								
Window Wall	1%			2052	**	5	\$1,300	

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FIRE DEPARTMENT - 057
EMS 22 AND FDNY FLEET SERVICES, BUILDING 50 -INTEGRATED FACILITY
Asset # : 14007

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Windows								
Aluminum	100%	0-2	\$20,000	2048	**	5	\$700	
<i>Air Infiltration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front Facade</i>								
<i>Caulking Deteriorated, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Parapets								
Metal Rail	5%	Now		2045	**	5	\$200	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Bulkheads</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Railing At Main Roof</i>								
Pre-Cast Concrete	55%	Now	\$6,500	LIFE	**	5	\$2,400	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Parapet Copings</i>								
Pre-Cast Concrete	40%	Now	\$2,400	LIFE	**	5	\$1,700	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Coping</i>								
Roof								
Modified Bitumen	70%	Now	\$193,500	2032	\$322,600			
<i>Ponding, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Emergency Medical Services Section</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Of Building, Service Area And Morgue Storage Area</i>								
Modified Bitumen	30%	0-2	\$13,800	2037	**			
<i>Ponding, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof And Walkway Roof</i>								
Soffits								
Metal Panel	100%	Now	\$38,500	2062	**	5	\$8,500	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Underside Of Walkway Structural</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Underside Perimeter Of Covered Walkway</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Underside Perimeter Of Covered Walkway</i>								
Interior								
Floors								
Cast in Place Concrete	70%	Now	\$50,200	LIFE	**	5	\$24,100	
<i>Ponding, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Fire Department Garage Apparatus Floor</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Fire Department Apparatus Floor</i>								
<i>Explanation : Per Fire Department, Apparatus Floor Area Has No Floor Drain. Need Floor Drain For Engine Service</i>								
Ceramic Tile	5%			2041	**	5	\$800	
Vinyl Tile	25%			2037	**	3	\$1,500	

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FIRE DEPARTMENT - 057
EMS 22 AND FDNY FLEET SERVICES, BUILDING 50 -INTEGRATED FACILITY
Asset # : 14007

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	10%			2041	**	5	\$1,400	
Concrete Masonry Unit	30%			LIFE	**	5	\$1,700	
Gypsum Board	60%	Now	\$2,600	LIFE	**	5	\$5,200	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At Morgue Storage Area</i>								
Ceilings								
AcousTileSusp.Lay-In	20%			2045	**	5	\$3,100	
Exposed Struc: Steel	40%			LIFE	**			
Gypsum Board	40%	Now	\$2,400	LIFE	**	5	\$7,900	
<i>Water Penetration, Extent : Light, Area Affected : 15%</i>								
<i>Location : Morgue Area And Service Area</i>								
Site Enclosure								
Free Standing Walls								
Cast in Place Concrete	100%	Now	\$14,500	2052	**			
<i>Spalling, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Parking Lot Walls</i>								
Retaining Walls								
Masonry: Brick	100%			2042	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	70%			2037	**			
Pavers/Stone	30%	0-2	\$20,000	2041	**			
<i>Ponding, Extent : Light, Area Affected : 20%</i>								
<i>Location : Front Walkway</i>								
<i>Sinking/Subsiding, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Walkway</i>								
Parking/Driveway								
Asphalt	100%	Now	\$396,300	2035	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Various Locations. Driveway And Parking Lot</i>								
<i>Potholes, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Rear EMS And FDNY Parking Lot</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2042	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 1200 Amperes</i>								

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FIRE DEPARTMENT - 057
EMS 22 AND FDNY FLEET SERVICES, BUILDING 50 -INTEGRATED FACILITY
Asset # : 14007

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Transformers								
Liquid Filled	100%			2030	\$28,600	5	\$100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : No Available Nameplate Ratings</i>						
Switchgear / Switchboard								
Fused Disc Sw	100%			2042	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : 2 Vertical Sections</i>						
Raceway								
Conduit	100%			2042	**	1		
Panelboards								
Fused Disc Sw	5%			2040	**	5		
Molded Case Bkrs	95%			2040	**	5	\$300	
Wiring								
Thermoplastic	100%			2052	**	1		
Motor Controllers								
Locally Mounted	50%			2037	**	5		
Locally Mounted	50%			2030	\$9,800	5		
Ground								
Grounding Devices								
Not Accessible	100%							
Stand-by Power								
Transfer Switches								
Automatic	100%			2037	**	1	\$3,200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : Three Automatic Transfer Switches No Available Nameplate Ratings</i>						
Generators								
Diesel	100%			2035	**	1	\$4,100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside Of The Building</i>						
		<i>Explanation : Emergency Generator Rated At 80 Kilowatts</i>						
Batteries								
Lead/Acid	100%			2025	\$2,600	5	\$400	
Fuel Storage								
Main Tank	100%			2047	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 275 Gallons Rated Capacity</i>						
Lighting								

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FIRE DEPARTMENT - 057
EMS 22 AND FDNY FLEET SERVICES, BUILDING 50 -INTEGRATED FACILITY
Asset # : 14007

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Interior Lighting Fluorescent	85%			2032	\$83,200	10	\$8,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor And Boiler Room</i>								
HID	3%			2027	\$2,000	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At The Garage</i>								
<i>Explanation : 9 Hid Light Fixtures</i>								
LED	12%			2040	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At The Lobby And Entrance</i>								
<i>Explanation : LED Light</i>								
Egress Lighting								
Emergency, Service	50%			2032	\$3,500	1		
Exit, Service	50%			2032	\$2,400	1		
Exterior Lighting								
LED	20%			2040	**			
No Component	80%							
Alarm								
Security System								
No Component	80%							
Generic	10%			2037	**	1	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Interior</i>								
<i>Explanation : Security Camera System</i>								
Generic	10%			2032	\$2,100	1	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Medical Examiner</i>								
<i>Explanation : Security System</i>								
Fire/Smoke Detection								
No Component	80%							
Generic, Digital	20%			2037	**	1-3	\$1,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : EMS 22 Only</i>								
<i>Explanation : Smoke Detectors, Manual Pull Stations, Alarm Bells And Horns</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	100%			2052	**	1		

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FIRE DEPARTMENT - 057
EMS 22 AND FDNY FLEET SERVICES, BUILDING 50 -INTEGRATED FACILITY
Asset # : 14007

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Conversion Equipment Furnace	60%			2037	**	1	\$3,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof, Emergency Medical Services And Fire Department Garages</i>								
<i>Explanation : 2 Packaged Rooftop Units With Gas Fire Furnaces And 5 Gas Fired Space Heaters</i>								
Hot Water Boiler	40%			2037	**	1	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Emergency Medical Services And Fire Department Boiler Rooms</i>								
<i>Explanation : One Gas Fired Hot Water Boilers</i>								
Distribution Hot Wtr Piping/Pump	100%	0-2	\$1,200	2048	**	4	\$500	
<i>Corroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Boiler Room, One Of Two Hot Water Circulating Pump Is Corroded And About To Fail.</i>								
Terminal Devices Convactor/Radiator	100%			2045	**	1	\$3,400	
Air Conditioning								
Energy Source Electricity	100%			2048	**	1		
Conversion Equipment Ext Pkg Unit - Heating/Cooling	100%			2032	\$189,400	2	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Package Rooftop Units</i>								
Distribution Ductwork/Diffusers	100%			LIFE	**	2	\$13,700	
Ventilation								
Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,900	
Exhaust Fans Roof	100%			2037	**	2	\$300	
Plumbing								
H/C Water Piping Brass/Copper	100%			2058	**	1		
Water Heater With Tanks Gas Fired	100%			2027	\$18,300	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : One Gas Fire Hot Water Unit</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Backflow Preventer Generic	100%			2032	\$5,000	1	\$600	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS 22 AND FDNY FLEET SERVICES, BUILDING 50 -INTEGRATED FACILITY
Asset # : 14007

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
Fixtures								
	Generic	100%						
Vertical Transport								
Elevators								
	Geared Traction	100%			LIFE	* *		
Fire Suppression								
Sprinkler								
	No Component	75%						
	Generic	25%			2052	* *	1-2	\$700

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS BATTALION 40
Address : 5011 7th AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.278 / 13164 **Yr Built/Renovated** : 1912 /
Area Sq Ft : 5,478 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Jul-2019 **Landmark Status** : NONE
Areas Surveyed : Floors 1,2,3
Block : 794 **Lot** : 5 **BIN** : 3013389

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$151,600	
Interior Architecture	\$110,800	\$140,800
Electrical		\$63,500
Total	\$262,400	\$204,300
Importance Code A	\$151,600	
Importance Code B	\$110,800	\$204,300
Total	\$262,400	\$204,300

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$14,700	\$21,900		
Interior Architecture	\$28,300			\$700
Electrical	\$12,500	\$100		
Mechanical	\$2,100	\$17,400	\$1,100	\$800
Total	\$57,600	\$39,400	\$1,100	\$1,500
Importance Code A	\$21,600	\$22,400	\$500	\$500
Importance Code B	\$14,400	\$17,000	\$600	\$900
Importance Code C	\$21,600			
Total	\$57,600	\$39,400	\$1,100	\$1,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS BATTALION 40
Asset # : 13164

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	65%	Now	\$151,600	LIFE	**	5	\$18,900	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : South Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : South Facade</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : South Facade</i>								
Masonry: Granite	5%			LIFE	**	5	\$1,100	
Masonry: Limestone	15%			LIFE	**	5	\$3,300	
Wood Overhead Doors	15%			2035	**	5	\$21,800	
Windows								
Aluminum	100%	Now	\$12,700	2046	**	5	\$700	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Lintel Locations Throughout Building.</i>								
Parapets								
Masonry: Brick	75%			LIFE	**	5	\$1,800	
Masonry: Sandstone	5%	Now	\$1,600	LIFE	**	5	\$200	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Coping At Front Façade</i>								
Metal Panel	10%	Now	\$400	2040	**	5	\$500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i>								
<i>Location : Missing Coping Enclosure Over Front Facade.</i>								
Stucco Cement	10%			2043	**	5	\$600	
Roof								
Built-Up (BUR)	100%			2035	**	10	\$11,000	
Interior								
Floors								
Cast in Place Concrete	35%	Now	\$5,500	LIFE	**	5	\$7,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout Basement</i>								
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Basement</i>								
Ceramic Tile	5%	Now	\$500	2039	**	5	\$200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1st And 2nd Floor Bathroom</i>								
Quarry Tile	5%			2043	**	5	\$700	
Vinyl Tile	55%			2030	\$140,800	3	\$2,600	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS BATTALION 40
Asset # : 13164

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	5%			2039	**	5	\$700	
Gypsum Board	20%			LIFE	**	5	\$1,600	
Masonry: Brick	15%	Now	\$18,200	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bulkhead</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Front And Rear Of Basement</i>								
Plaster	50%	Now	\$3,100	LIFE	**	5	\$2,000	
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bathroom And Weight Room</i>								
Wood	10%			LIFE	**	5	\$5,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor Locker Room Area</i>								
<i>Explanation : Wood Paneling Finish</i>								
Ceilings								
AcousTileSusp.Lay-In	53%			2043	**	5	\$6,700	
Exposed Struc: Concrete	30%	Now	\$110,800	LIFE	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Basement Ceiling</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Rusted Metal Sidewalk Hatch Allows Water Infiltration</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : North Side Of Basement</i>								
<i>Explanation : Lolly Columns Supporting The Truck Floor Above Are Severely Rusted.</i>								
<i>Concrete Cover Of Steel Members Has Fallen Off And Exposed Horizontal Steel Member Appears Severely Rusted.</i>								
Plaster	17%			LIFE	**	5	\$1,300	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2040	**			
Free Standing Walls								
Cast in Place Concrete	100%			2050	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2035	**			
On-Site Walkways								
Cast in Place Concrete	100%			2035	**			
Parking/Driveway								
Cast in Place Concrete	100%			2035	**			

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FIRE DEPARTMENT - 057
EMS BATTALION 40
Asset # : 13164

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%	0-2	\$6,400	2060	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : The Service Equipment Is Old And In Bad Condition. The Service End Box Is Rusted And Missing Its Cover.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2030	\$63,500	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 350 Ampere Main Circuit Breaker</i>								
Raceway								
Conduit	100%			2030	\$36,000	1		
Panelboards								
Molded Case Bkrs	100%			2029	\$48,500	5	\$100	
Wiring								
Thermoplastic	100%			2030	\$32,500	1		
Ground								
Grounding Devices								
Generic	100%	Now	\$6,100	LIFE	**	5	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Ground Is Disconnected From The Water Pipe.</i>								
Lighting								
Interior Lighting								
Fluorescent	40%			2030	\$18,600	10	\$2,000	
Fluorescent	60%			2038	**	10	\$3,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd And 3rd Floor</i>								
<i>Explanation : New T-8 Lamp Type Fixtures Recently Installed.</i>								
Exterior Lighting								
HID	30%			2030	\$7,500	10		
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2050	**	1		
Conversion Equipment								
Steam Boiler	100%			2043	**	1	\$5,400	
Distribution								
Steam Piping/Pump	100%			2040	**			
Terminal Devices								
Convactor/Radiator	100%			2035	**	1	\$1,800	

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FIRE DEPARTMENT - 057
EMS BATTALION 40
Asset # : 13164

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning									
Energy Source									
	Electricity	100%			2046	* *	1		
Conversion Equipment									
	Split Unit	10%			2035	* *			
	Window/Wall Unit	80%			2028	\$16,200	1		
	No Component	10%							
Ventilation									
Distribution									
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$3,100	
Exhaust Fans									
	Roof	50%			2035	* *	2	\$100	
	Wall Unit	50%			2035	* *	2	\$100	
Plumbing									
H/C Water Piping									
	Brass/Copper	100%	0-2	\$1,400	2050	* *	1		
				<i>Corroded, Extent : Severe, Area Affected : 10%</i>					
				<i>Location : Piping In Basement Near Meter</i>					
				<i>No Water Meter, Extent : Light, Area Affected : 100%</i>					
				<i>Location : Basement</i>					
Water Heater With Tanks									
	Gas Fired	100%			2025	\$16,700	2		
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
				<i>Location : Basement</i>					
				<i>Explanation : 75 Gallons</i>					
Sanitary Piping									
	Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping									
	Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)									
	Non-Submersible	100%			2035	* *	4	\$100	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
				<i>Location : Basement</i>					
				<i>Explanation : Duplex Unit</i>					
Fixtures									
	Generic	100%							
				<i>Leaking Faucets/Valves/Heads, Extent : Moderate, Area Affected : 10%</i>					
				<i>Location : Bathroom 2nd Floor</i>					

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS BATTALION 45/RADIO REPAIR/ TELEMETRY
Address : 58-65 52ND ROAD @ E.106 STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0016.000 / 4438 **Yr Built/Renovated** : 1956 / 1998
Area Sq Ft : 27,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Mar-2022 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 2351 **Lot** : 23 **BIN** : 4054172

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$1,092,000	
Interior Architecture	\$1,576,800	
Mechanical		\$171,000
Site Pavements	\$414,800	
Total	\$3,083,600	\$171,000
Importance Code A	\$1,092,000	\$49,000
Importance Code B	\$1,778,200	\$122,100
Importance Code C	\$213,300	
Total	\$3,083,600	\$171,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$65,500		\$3,900	
Interior Architecture	\$90,400		\$6,700	\$6,700
Electrical	\$4,100	\$3,100	\$3,000	\$5,400
Mechanical	\$26,900	\$2,500	\$3,800	\$2,500
Total	\$186,900	\$5,700	\$17,400	\$14,700
Importance Code A	\$66,700	\$1,300	\$5,000	\$1,300
Importance Code B	\$83,900	\$4,400	\$12,300	\$12,500
Importance Code C	\$36,300			\$900
Total	\$186,900	\$5,700	\$17,400	\$14,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS BATTALION 45/RADIO REPAIR/ TELEMETRY
Asset # : 4438

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Concrete Masonry Unit	10%	Now	\$25,800	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East And West Facades</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East And West Facades</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Facade</i>								
Masonry: Brick	10%	4+	\$39,600	LIFE	**	5	\$2,500	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Metal Panel	5%			2053	**	5-10	\$8,500	
Metal Coiling Doors	10%			2046	**	5	\$7,700	
Stucco Cement	65%	Now	\$886,000	2053	**	5	\$20,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : At Northeast Corner</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Corners, North And West Facades And Throughout</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 2%</i>								
<i>Location : 52nd Avenue Facade</i>								
Windows								
Aluminum	75%	4+	\$74,800	2049	**	5	\$2,700	
<i>Hardware Missing, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Various Windows In Telemetry Unit</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Telemetry Unit</i>								
Steel	25%	Now	\$131,100	2058	**	5	\$11,200	
<i>Air Infiltration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Garage</i>								
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Garage</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Garage</i>								
Parapets								
Under Construction	100%							
Roof								
Under Construction	100%							
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS BATTALION 45/RADIO REPAIR/ TELEMETRY
Asset # : 4438

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$1,387,400	LIFE	**	5	\$36,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Emergency Response Area. Garage</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Emergency Response Area</i>								
<i>Uneven Surface, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Emergency Response Area. Garage</i>								
Ceramic Tile	3%			2042	**	5	\$1,100	
Panel/Paver: Cer/Brk	5%			2041	**	5	\$4,200	
Quarry Tile	3%			2038	**	5	\$1,700	
Raised Access Floor	5%			2042	**	5	\$7,000	
Steel Plate	1%	Now	\$49,500	LIFE	**	1		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Emergency Response Area</i>								
<i>Deformed/Dented, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Emergency Response Area</i>								
<i>Uneven Surface, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Emergency Response Area</i>								
Vinyl Tile	38%	4+	\$76,100	2038	**	3	\$5,300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2042	**	5	\$1,900	
Concrete Masonry Unit	70%			LIFE	**	5	\$21,100	
Gypsum Board	25%	0-2	\$25,800	LIFE	**	5	\$5,700	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Toilet Rooms</i>								
Ceilings								
AcousTileConcealSpLn	20%			2046	**	5	\$9,300	
AcousTileSusp.Lay-In	15%	Now	\$4,500	2038	**	5	\$2,800	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Office</i>								
Exposed Struc: Steel	65%	Now	\$113,300	LIFE	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Emergency Response Area</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Emergency Response Area</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$201,400	2046	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 52nd Road, 52nd Avenue And 59th Street</i>								
On-Site Walkways								
Cast in Place Concrete	100%			2046	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS BATTALION 45/RADIO REPAIR/ TELEMETRY
Asset # : 4438

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Parking/Driveway

Asphalt

100%	0-2	\$213,300	2042	**		
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*Cracking/Crumbling, Extent : Severe, Area Affected : 40%**Location : Throughout Parking Area**Misaligned/Bulging, Extent : Severe, Area Affected : 10%**Location : Parking Area**Potholes, Extent : Severe, Area Affected : 5%**Location : Parking Area*

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw

100%			2059	**	5	\$100
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Emergency Medical Services Area**Explanation : One 1,200 Ampere Main Disconnect Switch*

Switchgear / Switchboard

Fused Disc Sw

20%			2053	**	5	
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Molded Case Bkrs

80%			2059	**	5	\$600
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Raceway

Conduit

50%			2033		\$18,000	1
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Conduit

50%			2059	**	1	
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Panelboards

Fused Disc Sw

2%			2032		\$1,000	5
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Fused Disc Sw

2%			2055	**	5	
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Molded Case Bkrs

30%			2032		\$14,500	5
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Molded Case Bkrs

66%			2055	**	5	\$500
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Wiring

Thermoplastic

40%			2033		\$13,000	1
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Thermoplastic

60%			2059	**	1	
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Motor Controllers

Locally Mounted

100%			2046	**	5	\$200
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Ground

Grounding Devices

Generic

100%			LIFE	**	5	\$800
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Stand-by Power

Transfer Switches

Automatic

100%			2046	**	1	\$8,300
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Generators

Diesel

100%			2042	**	1	\$10,500
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Right Side Of The Building**Explanation : One 83 Kilowatts*

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS BATTALION 45/RADIO REPAIR/ TELEMETRY
Asset # : 4438

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Stand-by Power Batteries								
Lead/Acid	100%			2027	\$2,400	5	\$1,000	
Fuel Storage								
Day Tank	50%			2049	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Outside</i>								
<i>Explanation : One 60 Gallons</i>								
Main Tank	50%			2061	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 250 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
LED	100%			2041	**			
Egress Lighting								
Emergency, Service	50%			2033	\$7,500	1		
Exit, Service	50%			2033	\$5,200	1		
Exterior Lighting								
LED	30%			2041	**			
No Component	70%							
Alarm								
Security System								
Generic	100%			2033	\$49,500	1	\$10,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Inside And Outside</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Electricity	5%			2043	**	1		
Natural Gas	95%			2043	**	1		

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FIRE DEPARTMENT - 057
EMS BATTALION 45/RADIO REPAIR/ TELEMETRY
Asset # : 4438

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Conversion Equipment								
Furnace	10%			2038	**	1	\$1,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Total Five Rooftop Units. One Abandoned Package Unit</i>								
Furnace	20%			2033	\$15,100	1	\$2,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Rooftop Units</i>								
Furnace	20%			2038	**	1	\$2,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Rooftop Package Units</i>								
Furnace	45%			2033	\$33,900	1	\$5,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor And Radio Shop Ceiling</i>								
<i>Explanation : 4 Gasoline Fired Modine Heaters</i>								
Radiant Heater	5%			2033	\$31,500	2	\$600	
Air Conditioning								
Energy Source								
Electricity	100%			2041	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	30%			2033	\$122,100	2	\$500	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Units</i>								
Ext Pkg Unit - Heating/Cooling	30%			2038	**	2	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Units Using Refrigerant R-410a</i>								
Window/Wall Unit	10%			2028	\$9,200	1		
No Component	30%							
Dehumidifier								
No Component	80%							
Generic	20%			2034	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Radio Shop</i>								
<i>Explanation : 2 Units</i>								
Ventilation								
Distribution								
Ductwork/Diffusers	80%			LIFE	**	2-5	\$17,500	
Ductwork/Diffusers	20%			LIFE	**	2-5	\$4,400	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
EMS BATTALION 45/RADIO REPAIR/ TELEMETRY
Asset # : 4438

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
	Exhaust Fans							
	Roof	60%			2033	\$28,200	2	\$500
	Wall Unit	10%			2028	\$1,000	2	\$100
	No Component	30%						
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2043	**	1	
	Water Heater With Tanks							
	Gas Fired	100%			2028	\$16,700	2	
	Sanitary Piping							
	Cast Iron	100%	0-2	\$15,300	LIFE	**	1	
				<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>				
				<i>Location : Apparatus Floor</i>				
	Storm Drain Piping							
	Cast Iron	100%	0-2	\$1,700	LIFE	**	1	
				<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>				
				<i>Location : Roof</i>				
	Backflow Preventer							
	Generic	100%			2028	\$10,800	1	\$1,500
	Fixtures							
	Generic	100%						
Fire Suppression								
	Sprinkler							
	Generic	100%			2043	**	1-2	\$6,900

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 10 YORKVILLE STATION
Address : 1918 1ST AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.010 / 13984 **Yr Built/Renovated** :
Area Sq Ft : 2,900 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-Feb-2019 **Landmark Status** : NONE
Areas Surveyed : Floors 1
Block : 1691 **Lot** : 1 **BIN** : 1052997

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Mechanical		\$67,300
Total		\$67,300
Importance Code B		\$67,300
Total		\$67,300

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture			\$400	
Interior Architecture	\$10,000			\$200
Electrical	\$4,400	\$100	\$100	\$100
Mechanical	\$200	\$100	\$1,200	\$100
Site Enclosure	\$9,300			
Site Pavements	\$34,300			
Total	\$58,300	\$300	\$1,700	\$500
Importance Code A			\$400	
Importance Code B	\$15,100	\$300	\$1,300	\$500
Importance Code C	\$43,200			
Total	\$58,300	\$300	\$1,700	\$500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
EMS STATION 10 YORKVILLE STATION
Asset # : 13984

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	100%			LIFE	**	5	\$6,700	
Windows								
Aluminum	100%			2046	**	5	\$900	
Roof								
Not Accessible	100%							
Interior								
Floors								
Cast in Place Concrete	10%			LIFE	**	5	\$400	
<i>Paint Peeling, Extent : Light, Area Affected : 25%</i>								
<i>Location : Storage Room</i>								
Vinyl Tile	90%	Now	\$9,500	2035	**	3	\$700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	10%			2039	**	5	\$1,000	
Gypsum Board	80%			LIFE	**	5	\$4,800	
SGFT/Glazed Masonry	10%			LIFE	**			
Ceilings								
Plaster	100%			LIFE	**	5	\$1,200	
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$9,300	2050	**			
<i>Impact Damage, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Side</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$1,000	2043	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 99th Street</i>								
On-Site Walkways								
Cast in Place Concrete	100%			2043	**			
Parking/Driveway								
Asphalt	90%	Now	\$25,600	2039	**			
<i>Ponding, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Northeast Corner</i>								
Cast in Place Concrete	10%	Now	\$7,800	2035	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 99th Street Driveway</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 10 YORKVILLE STATION
Asset # : 13984

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Under Construction	100%							
<i>Other Observation, Extent : N/A, Area Affected : 0%</i>								
<i>Location : North Edge Of Parking Lot</i>								
<i>Explanation : Presently Served By Hospital</i>								
Raceway								
Conduit	100%			2040	**	1		
Panelboards								
Molded Case Bkrs	100%			2038	**	5	\$100	
Wiring								
Thermoplastic	100%			2040	**	1		
Motor Controllers								
Locally Mounted	100%	Now	\$3,600	2047	**	5		
<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Storage Room</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Storage Room</i>								
<i>Explanation : Locked Out / Tagged Out</i>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2035	**	1	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Access Obstructed By Vending Machine And Connected To Portable Generator Receptacle</i>								
Lighting								
Interior Lighting								
Fluorescent	100%			2030	\$24,600	10	\$2,700	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Egress Lighting								
Emergency, Battery	50%			2030	\$2,400	10	\$400	
Exit, LED	50%			2045	**	1		
Exterior Lighting								
HID	50%			2030	\$6,600	10		
No Component	50%							
Alarm								
Fire/Smoke Detection								
No Component	90%							
Generic, Analog	10%	0-2	\$700	2040	**	1-3	\$200	
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 10 YORKVILLE STATION
Asset # : 13984

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
	Energy Source							
	Electricity	30%			2050	**	1	
	HTHW/HW	70%			2050	**	1	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Adjacent Space</i>							
	<i>Explanation : Hot Water Is Provided By The Adjacent Space</i>							
	Terminal Devices							
	Convactor/Radiator	100%			2043	**	1	\$900
Air Conditioning								
	Energy Source							
	Electricity	100%			2046	**	1	
	Conversion Equipment							
	Split Unit	100%			2030			\$67,300
	Distribution							
	Ductwork/Diffusers	100%			LIFE	**	2	\$3,800
Ventilation								
	Distribution							
	Ductwork/Diffusers	15%			LIFE	**	2-5	\$200
	No Component	85%						
	Exhaust Fans							
	No Component	85%						
	Not Accessible	15%						
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2050	**	1	
	Water Heater With Tanks							
	Electric	100%			2028		4	\$23,100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Closet</i>							
	<i>Explanation : 50 Gallons</i>							
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Fixtures							
	Generic	100%						
Fire Suppression								
	Sprinkler							
	Generic	100%			2050	**	1-2	\$800

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 14 SOUTH BRONX STATION
Address : LINCOLN HOSPITAL 234 EAST 149TH STREET
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSEMS.014 / 13986 **Yr Built/Renovated** : 1976 / 2012
Area Sq Ft : 3,500 **Project Type** : FIRE DEPARTMENT
Date of Survey : 25-Jan-2019 **Landmark Status** : NONE
Areas Surveyed : Floors 1
Block : 2335 **Lot** : 16 **BIN** : 2097050

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$10,500			
Interior Architecture	\$1,800	\$1,500		\$100
Electrical	\$100	\$3,300	\$100	\$100
Mechanical	\$6,800	\$75,100	\$1,400	\$200
Site Pavements	\$22,600			
Total	\$41,700	\$79,900	\$1,600	\$400
Importance Code A	\$10,500			
Importance Code B	\$31,200	\$79,900	\$1,600	\$400
Importance Code C				
Total	\$41,700	\$79,900	\$1,600	\$400



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
EMS STATION 14 SOUTH BRONX STATION
Asset # : 13986

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	90%			LIFE	**	5	\$6,800	
Metal Coiling Doors	10%			2043	**	5	\$2,300	
Windows								
Aluminum	100%	Now	\$10,500	2038	**	5	\$300	
<i>Air Infiltration, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Single Pane</i>								
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	**	5	\$2,600	
Ceramic Tile	5%			2039	**	5	\$200	
Sheet Vinyl/Rubber	50%			2035	**	5	\$3,000	
Vinyl Tile	15%	4+	\$1,600	2030	\$16,100	3	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Rest Area</i>								
Interior Walls								
Ceramic Tile	2%			2039	**	5		
Concrete Masonry Unit	88%			LIFE	**	5	\$700	
Gypsum Board	10%			LIFE	**	5	\$100	
Ceilings								
AcousTileConcealSpLn	3%	Now	\$100	2035	**	5	\$100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Offices</i>								
AcousTileSusp.Lay-In	2%			2043	**	5	\$100	
Exposed Struc: Concrete	95%			LIFE	**	5	\$600	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	\$22,600	2043	**			
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 149th Street</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2043	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Transformers								
Dry Type	100%			2043	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : 45 Kilovolt-ampere Transformer 480-208/120 Volts</i>								

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FIRE DEPARTMENT - 057
EMS STATION 14 SOUTH BRONX STATION
Asset # : 13986

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2050	**	1		
Panelboards								
Fused Disc Sw	5%			2046	**	5		
Molded Case Bkrs	95%			2046	**	5	\$100	
Wiring								
Thermoplastic	100%			2050	**	1		
Motor Controllers								
Locally Mounted	100%			2043	**	5		
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
Fluorescent	100%			2035	**	10	\$3,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Egress Lighting								
Emergency, Service	50%			2035	**	1		
Exit, Service	50%			2035	**	1		
Exterior Lighting								
HID	100%			2035	**	10		
Alarm								
Security System								
No Component	90%							
Generic	10%			2035	**	1	\$100	
Fire/Smoke Detection								
No Component	70%							
Generic, Digital	30%			2035	**	1-3	\$700	
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Distribution								
Steam Piping/Pump	100%			2030	\$27,400			
Terminal Devices								
Convactor/Radiator	30%			2028	\$8,400	1	\$300	
Fan Coil Unit/Heat	50%			2025	\$42,400	1	\$600	
Unit Heater - Steam	20%			2030	\$3,900	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2038	**	1		

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 14 SOUTH BRONX STATION
Asset # : 13986

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Conversion Equipment								
Window/Wall Unit	50%			2024	\$6,500	1		
No Component	50%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Chilled Water Supplied From Hospital</i>								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$4,600	
Terminal Devices								
Fan Coil - 4 Pipe	50%			2025	\$32,500	1	\$600	
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	**	1		
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Backflow Preventer								
Not Accessible	100%							
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2040	**	1-2	\$1,000	
Fire Pump								
Not Accessible	100%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 15 WILLIAMS BRIDGE STATION
Address : 4109 WHITE PLAINS ROAD BTWN E.229 ST. - E.230 ST.
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSEMS.015 / 13987 **Yr Built/Renovated** : 1907 / 1998
Area Sq Ft : 5,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 03-May-2019 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 4832 **Lot** : 6 **BIN** : 2087346

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$59,000	\$74,700
Total	\$59,000	\$74,700
Importance Code A	\$59,000	\$74,700
Total	\$59,000	\$74,700

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$66,400		\$100	
Interior Architecture	\$66,300		\$100	\$400
Electrical	\$15,300	\$5,100	\$500	\$400
Mechanical	\$7,200	\$9,600	\$500	\$400
Site Enclosure	\$500			
Site Pavements	\$8,200			
Total	\$163,800	\$14,700	\$1,200	\$1,200
Importance Code A	\$66,600	\$300	\$300	\$200
Importance Code B	\$71,500	\$14,500	\$800	\$900
Importance Code C	\$25,700			
Total	\$163,800	\$14,700	\$1,200	\$1,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 15 WILLIAMS BRIDGE STATION
Asset # : 13987

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%	4+	\$24,000	LIFE	**	5	\$14,900	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 80%</i>								
<i>Location : All Facades</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Side Driveway To Basement</i>								
Masonry: Limestone	10%			LIFE	**	5	\$1,300	
Wood Overhead Doors	5%	2-4	\$2,500	2043	**	5	\$2,200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	10%			2046	**	5	\$200	
Aluminum	10%	Now	\$8,600	2055	**	5	\$100	
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 2%</i>								
<i>Location : 3rd Floor Dormitory And Locker Room</i>								
Wood	80%	Now	\$11,600	2046	**	5	\$7,400	
<i>Air Infiltration, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Deteriorated Finish, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Front Facade Windows</i>								
Parapets								
Cast Stone/Terra Cotta	15%			LIFE	**	5	\$2,000	
Masonry: Brick	80%	Now	\$16,700	LIFE	**	5	\$1,400	
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Parapet Wall</i>								
<i>Spalling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Parapet Wall</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : All Faces Of Parapet Wall</i>								
<i>Explanation : Roof Side Of Brick Parapet Walls Coated With Bituminous Tar Which Is Damaging The Brick Units</i>								
Masonry: Brownstone	5%			LIFE	**	5	\$200	
<i>Other Observation, Extent : N/A, Area Affected : 5%</i>								
<i>Location : Parapet Coping</i>								
<i>Explanation : Actually Slate Coping Stones</i>								
Roof								
Built-Up (BUR)	95%	0-2	\$2,900	2025	\$59,000			
<i>Patching Evident, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	5%			2030	\$74,700	10	\$900	

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
EMS STATION 15 WILLIAMS BRIDGE STATION
Asset # : 13987

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$33,800	LIFE	**	5	\$8,900	
<i>Horizontal Cracks, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout Basement</i>								
Vinyl Tile	40%	Now	\$4,400	2035	**	3	\$1,200	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
Vinyl Tile	10%			2035	**	3	\$300	
Interior Walls								
Cast in Place Concrete	2%			LIFE	**			
Ceramic Tile	4%			2039	**	5	\$500	
Concrete Masonry Unit	20%			LIFE	**	5	\$1,100	
Gypsum Board	20%	Now	\$700	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	20%	2-4	\$10,000	LIFE	**			
<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Basement</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Basement</i>								
Plaster	20%	Now	\$3,200	LIFE	**	5	\$800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout Basement</i>								
SGFT/Glazed Masonry	12%	4+	\$2,800	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Wood	2%			LIFE	**	5	\$1,100	
Ceilings								
Embossed Metal	5%	4+	\$200	LIFE	**	5	\$200	
<i>Paint Peeling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Gypsum Board	40%	Now	\$1,100	LIFE	**	5	\$4,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Plaster	40%	Now	\$9,700	LIFE	**	5	\$2,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 3rd Floor Under Roof</i>								
No Component	15%							
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Ceiling</i>								

Site Enclosure

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FIRE DEPARTMENT - 057
EMS STATION 15 WILLIAMS BRIDGE STATION
Asset # : 13987

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$500	2050	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Entrance To Driveway</i>								
Free Standing Walls								
Masonry: Brick	100%			2050	**			
Retaining Walls								
Cast in Place Concrete	100%			2065	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2043	**			
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$2,100	2043	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Rear Of Building</i>								
Parking/Driveway								
Asphalt	100%	0-2	\$6,000	2039	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2050	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>								
Raceway								
Conduit	100%			2050	**	1		
Panelboards								
Molded Case Bkrs	100%			2046	**	5	\$100	
Wiring								
Thermoplastic	100%			2050	**	1		
Motor Controllers								
Locally Mounted	100%			2035	**	5		
Ground								
Grounding Devices								
Generic	100%	2-4	\$10,200	LIFE	**	5	\$100	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2043	**	1	\$1,500	

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FIRE DEPARTMENT - 057
EMS STATION 15 WILLIAMS BRIDGE STATION
Asset # : 13987

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power Generators Diesel	100%			2039	**	1	\$1,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Yard</i>								
<i>Explanation : Emergency Generator Rated At 40 Kilowatts.</i>								
Batteries Lead/Acid	100%			2024	\$2,400	5	\$200	
Fuel Storage Main Tank	100%			2058	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Yard</i>								
<i>Explanation : 50 Gallons Rated Capacity</i>								
Lighting Interior Lighting Fluorescent	100%			2035	**	10	\$4,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Egress Lighting Emergency, Service	45%			2035	**	1		
Emergency, Battery	5%			2035	**	10	\$100	
Exit, Service	50%			2035	**	1		
Exterior Lighting HID	20%			2035	**	10		
HID	10%	Now	\$2,300	2040	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Of The Building</i>								
<i>Explanation : Not Functional</i>								
No Component	70%							
Alarm Security System No Component Generic	70%			2038	**	1	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside Perimeter Of The Building</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating Energy Source Natural Gas	100%			2050	**	1		

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FIRE DEPARTMENT - 057
EMS STATION 15 WILLIAMS BRIDGE STATION
Asset # : 13987

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Conversion Equipment Furnace	30%			2030	\$4,600	1	\$700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1 Unit In Basement, 1 Unit In Apparatus Floor</i>								
<i>Explanation : 2 Units</i>								
Hot Water Boiler	70%			2028	\$36,300	1	\$1,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution Hot Wtr Piping/Pump	100%			2038	**	4	\$200	
Terminal Devices Convactor/Radiator	65%			2028	\$26,000	1	\$1,100	
Fan Coil Unit/Heat	5%			2030	\$6,100	1	\$100	
No Component	30%							
Air Conditioning								
Energy Source Electricity	100%			2038	**	1		
Conversion Equipment Window/Wall Unit	50%			2025	\$9,300	1		
<i>Broken, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Unit</i>								
No Component	50%							
Plumbing								
H/C Water Piping Brass/Copper	100%	Now	\$1,300	2040	**	1		
<i>Corroded, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Water Main And Piping, Basement</i>								
Water Heater With Tanks Gas Fired	100%			2029	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallon Unit</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Submersible	100%			2024	\$200	4	\$200	
Fixtures Generic	100%							
<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Toilet</i>								
Fire Suppression								

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FIRE DEPARTMENT - 057
EMS STATION 15 WILLIAMS BRIDGE STATION
Asset # : 13987

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Sprinkler							
	No Component	80%						
	Generic	20%	0-2	\$5,400	2060	**	1-2	\$200
<i>Corroded, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Basement</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 16 HARLEM STATION
Address : 524 LENOX AVE. @ HARLEM HOSPITAL
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.016 / 13985 **Yr Built/Renovated** : 1959 /
Area Sq Ft : 3,500 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Feb-2019 **Landmark Status** : NONE
Areas Surveyed : Floors 1
Block : 1731 **Lot** : 1 **BIN** : 1082168

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture		\$144,500
Total		\$144,500
Importance Code B		\$144,500
Total		\$144,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Interior Architecture	\$19,200			\$700
Electrical	\$100	\$100	\$100	\$100
Mechanical	\$100		\$300	
Site Pavements	\$16,700			
Total	\$36,100	\$100	\$400	\$800
Importance Code B	\$16,200	\$100	\$400	\$800
Importance Code C	\$19,900			
Total	\$36,100	\$100	\$400	\$800



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
EMS STATION 16 HARLEM STATION
Asset # : 13985

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Soffits								
Cast in Place Concrete	100%			LIFE	**	5		
<i>Paint Peeling, Extent : Light, Area Affected : 100%</i>								
<i>Location : Decontamination Bay</i>								
Interior								
Floors								
Terrazzo	10%	0-2	\$2,700	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	90%	Now	\$2,900	2030	\$144,500	3	\$2,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2033	\$21,000	5	\$400	
Glass: Single Pane	5%			LIFE	**	5	\$300	
Marble Panels	5%			LIFE	**			
Plaster	85%	Now	\$3,200	LIFE	**	5	\$2,000	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Mens Locker Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Mens Locker Room</i>								
Ceilings								
AcousTileSusp.Lay-In	90%	Now	\$1,700	2043	**	5	\$2,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Storage Room</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Mens Locker Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Mens Locker Room</i>								
Exposed Struc: Concrete	10%	Now	\$8,700	LIFE	**	5	\$100	
<i>Paint Peeling, Extent : Light, Area Affected : 100%</i>								
<i>Location : Decontamination Bay Corridor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Decontamination Bay Corridor</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2040	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2035	**			
Parking/Driveway								
Cast in Place Concrete	100%	4+	\$16,700	2035	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Decontamination Bay</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 16 HARLEM STATION
Asset # : 13985

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Raceway								
Conduit	100%			2040	**	1		
Panelboards								
Molded Case Bkrs	100%			2038	**	5	\$100	
Wiring								
Thermoplastic	100%			2040	**	1		
Lighting								
Interior Lighting								
Fluorescent	100%			2030	\$29,700	10	\$3,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Egress Lighting								
Emergency, Service	50%			2030	\$1,100	1		
Exit, Service	50%			2035	**	1		
Exterior Lighting								
HID	50%			2030	\$8,000	10		
No Component	50%							
Alarm								
Fire/Smoke Detection								
No Component	70%							
Generic, Analog	30%			2030	\$2,600	1-3	\$700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Part Of Hospital System</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Plant Campus Steam / PRV	25%			2040	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Supplied From Harlem Hospital</i>								
No Component	75%							
Distribution								
Steam Piping/Pump	25%			2040	**			
No Component	75%							
Terminal Devices								
Convactor/Radiator	25%			2043	**	1	\$300	
No Component	75%							
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 16 HARLEM STATION
Asset # : 13985

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Exterior Pkg Unit - Cooling	25%			2038	**	2	\$100
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Hospital Roof</i>						
		<i>Explanation : No Access</i>						
	Split Unit	5%			2030	\$4,100		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Medical Equipment Room Lounge</i>						
		<i>Explanation : 2 Units: 1 Wall Mounted And 1 Ceiling Cassette.</i>						
	No Component	70%						
Distribution								
	Ductwork/Diffusers	25%			LIFE	**	2	\$1,100
	No Component	75%						
Ventilation								
Exhaust Fans								
	Roof	100%			2030	\$6,600	2	\$100
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2050	**	1	
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Not Accessible	100%						
Fixtures								
	Generic	100%						
Fire Suppression								
Fire Pump								
	Not Accessible	100%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 18 BATHGATE STATION
Address : 1647 WASHINGTON AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSEMS.018 / 13707 **Yr Built/Renovated** : 2002 /
Area Sq Ft : 5,990 **Project Type** : FIRE DEPARTMENT
Date of Survey : 15-Jun-2022 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 2905 **Lot** : 30 **BIN** : 2817123

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Electrical		\$50,800
Total		\$50,800
Importance Code B		\$50,800
Total		\$50,800

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$32,700		\$3,700	
Interior Architecture	\$31,000		\$1,900	\$500
Electrical	\$1,300	\$1,000	\$1,100	\$3,400
Mechanical	\$5,100	\$200	\$2,900	\$200
Site Pavements	\$8,100			
Total	\$78,200	\$1,200	\$9,700	\$4,100
Importance Code A	\$33,100	\$100	\$4,200	\$100
Importance Code B	\$30,300	\$1,100	\$5,500	\$3,700
Importance Code C	\$14,800			\$300
Total	\$78,200	\$1,200	\$9,700	\$4,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 18 BATHGATE STATION
Asset # : 13707

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	20%			2053	**	10	\$1,000	
Concrete Masonry Unit	10%			LIFE	**	5	\$2,000	
Masonry: Brick Cavity	55%			LIFE	**	5	\$17,500	
Metal Sect. OHD	15%			2046	**	5	\$7,500	
Windows								
Aluminum	100%			2049	**	5	\$600	
Parapets								
Masonry: Brick	90%			LIFE	**	5-10	\$10,300	
Pre-Cast Concrete	10%	4+	\$2,700	LIFE	**	5	\$1,100	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Coping</i>								
Roof								
Modified Bitumen	75%			2038	**	10	\$12,600	
Single Ply Membrane	20%			2038	**	10	\$3,400	
Sloped Glazing	5%			LIFE	**	5	\$22,400	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Above Exterior Awning Over Vehicle Entrance</i>								
<i>Explanation : Plastic Glazing</i>								
Soffits								
Metal, Corrugated	100%			2053	**	1		
Interior								
Floors								
Cast in Place Concrete	65%			LIFE	**	5	\$25,400	
Ceramic Tile	5%			2042	**	5	\$400	
Vinyl Tile	30%			2038	**	3	\$1,000	
Interior Walls								
Ceramic Tile	5%			2042	**	5	\$500	
Concrete Masonry Unit	60%			LIFE	**	5	\$5,100	
Gypsum Board	35%			LIFE	**	5-10	\$6,300	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Lower Section Of Walls</i>								
<i>Explanation : Protected With Steel Plates</i>								
Ceilings								
AcousTileSusp.Lay-In	35%			2046	**	5	\$3,100	
Exposed Struc: Steel	65%			LIFE	**	10	\$11,600	
Site Enclosure								
Fence/Gates								
Cast in Place Concrete	15%			2068	**			
Chain Link	85%			2053	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2038	**			
On-Site Walkways								
Asphalt	40%			2036	**			
Cast in Place Concrete	60%			2038	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 18 BATHGATE STATION
Asset # : 13707

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Parking/Driveway
Asphalt

100% 4+ \$8,100 2036 **
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%
Location : Throughout

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment
Fused Disc Sw

100% 2053 ** 5
Other Observation, Extent : Light, Area Affected : 100%
Location : Electrical Room
Explanation : Main Service Switch Rated At 600 Amperes

Switchgear / Switchboard

Fused Disc Sw

100% 2053 ** 5

Raceway

Conduit

100% 2053 ** 1

Panelboards

Fused Disc Sw

20% 2049 ** 5

Molded Case Bkrs

80% 2049 ** 5 \$100

Wiring

Thermoplastic

100% 2053 ** 1

Motor Controllers

Locally Mounted

100% 2046 ** 5

Ground

Grounding Devices

Generic

100% LIFE ** 5 \$200

Stand-by Power

Transfer Switches

Automatic

100% 2046 ** 1 \$1,800

Generators

Diesel

100% 2042 ** 1 \$2,300
Other Observation, Extent : Light, Area Affected : 100%
Location : Outside
Explanation : Diesel Generator Rated At 313 Kilovolt Amperes 250 Kilowatts At 0.8 Power Factor

Batteries

Lead/Acid

100% 2027 \$2,400 5 \$200

Fuel Storage

Day Tank

100% 2049 ** 5
Other Observation, Extent : Moderate, Area Affected : 100%
Location : Outside
Explanation : 90 Gallons Capacity

Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 18 BATHGATE STATION
Asset # : 13707

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	100%			2033	\$50,800	10	\$5,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
<hr/>								
Egress Lighting								
Emergency, Service	50%			2038	**	1		
Exit, LED	50%			2061	**	1		
<hr/>								
Exterior Lighting								
LED	20%			2041	**			
No Component	80%							
<hr/>								
Alarm								
Security System Generic	100%			2038	**	1	\$2,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Interior And Exterior</i>								
<i>Explanation : Cameras Security System</i>								
<hr/>								
Fire/Smoke Detection Generic, Digital	100%			2038	**	1-3	\$3,700	
<i>Not in Service, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2053	**	1		
<hr/>								
Conversion Equipment Furnace	30%			2033	\$5,500	1	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 Natural Gasoline Fired Packaged Rooftop Unit</i>								
<hr/>								
Radiant Heater	70%			2038	**	2	\$1,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage</i>								
<i>Explanation : 3 Natural Gasoline Fired Space Heaters</i>								
<hr/>								
Terminal Devices Fan Coil Unit/Heat	10%	0-2	\$700	2038	**	1	\$200	
<i>Broken, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor. One Cracked Fan Coil</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Vestibule</i>								
<i>Explanation : Electric Cabinet Unit Heater</i>								
<hr/>								
No Component	90%							

Air Conditioning

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 18 BATHGATE STATION
Asset # : 13707

Mechanical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Air Conditioning							
Energy Source							
Electricity	100%			2049	**	1	
Conversion Equipment							
Ext Pkg Unit - Heating/Cooling Split Unit	30%			2033	\$29,500	2	\$100
No Component	2%			2033	\$2,800		
	68%						
Distribution							
Ductwork/Diffusers	100%			LIFE	**	2	\$9,700
Ventilation							
Distribution							
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,300
Exhaust Fans							
Roof	60%			2033	\$6,800	2	\$100
Wall Unit	40%			2033	\$1,000	2	\$100
Plumbing							
H/C Water Piping							
Brass/Copper	100%			2053	**	1	
Water Heater With Tanks							
Gas Fired	100%			2028	\$16,700	2	
Sanitary Piping							
Cast Iron	100%			LIFE	**	1	
Storm Drain Piping							
Cast Iron	100%			LIFE	**	1	
Backflow Preventer							
Generic	100%			2033	\$2,600	1	\$400
Fixtures							
Generic	100%						
<i>Low Consumption Fixtures, Extent : Light, Area Affected : 100%</i>							
<i>Location : Men And Women Toilet Rooms</i>							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 19 (FORMER ENGINE CO. 75)
Address : 2285 JEROME AVENUE @ E. 183 STREET
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIR0017.000 / 13399 **Yr Built/Renovated** : 1901 / 2001
Area Sq Ft : 6,495 **Project Type** : FIRE DEPARTMENT
Date of Survey : 16-May-2019 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3197 **Lot** : 33 **BIN** : 2014235

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$58,900	\$90,600
Interior Architecture		\$102,600
Total	\$58,900	\$193,200
Importance Code A	\$58,900	\$90,600
Importance Code B		\$102,600
Total	\$58,900	\$193,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$66,900			
Interior Architecture	\$52,800	\$1,300		\$500
Electrical	\$35,500	\$800	\$800	\$900
Mechanical	\$7,200	\$500	\$700	\$1,100
Total	\$162,300	\$2,600	\$1,500	\$2,500
Importance Code A	\$79,500	\$300	\$300	\$300
Importance Code B	\$52,400	\$1,500	\$1,200	\$2,200
Importance Code C	\$30,400	\$700		
Total	\$162,300	\$2,600	\$1,500	\$2,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 19 (FORMER ENGINE CO. 75)
Asset # : 13399

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$58,900	LIFE	**	5	\$14,600	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : West Facade</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : At Lintel Above Bay Door</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : West Facade</i>								
Metal Sect. OHD	20%	4+	\$6,900	2036	**	5	\$6,100	
<i>Deformed/Dented, Extent : Light, Area Affected : 10%</i>								
<i>Location : Lower Panels Of All Bay Doors</i>								
Pre-Cast Concrete	5%			LIFE	**	5	\$3,200	
Windows								
Aluminum	100%	0-2	\$2,100	2047	**	5	\$1,100	
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Second Floor Window</i>								
Parapets								
Masonry: Brick	40%	Now	\$4,500	LIFE	**	5	\$700	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Rail	50%			2044	**	5-10	\$16,300	
Pre-Cast Concrete	10%			LIFE	**	5	\$1,100	
Roof								
Built-Up (BUR)	20%	Now	\$7,300	2036	**			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Lower Roof</i>								
Modified Bitumen	80%	0-2	\$36,200	2031	\$90,600			
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Upper Roof</i>								
Interior								
Floors								
Cast in Place Concrete	55%	Now	\$9,900	LIFE	**	5	\$13,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
Ceramic Tile	10%			2040	**	5	\$1,100	
Vinyl Tile	35%	Now	\$10,300	2031	\$102,600	3	\$1,400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 25%</i>								
<i>Location : 2nd Floor Locker Rooms</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor Locker Rooms</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 19 (FORMER ENGINE CO. 75)
Asset # : 13399

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	10%			2040	**	5	\$1,500	
Concrete Masonry Unit	10%			LIFE	**	5	\$600	
Gypsum Board	10%			LIFE	**	5	\$900	
Masonry: Brick	10%			LIFE	**			
Masonry: Fieldstone	10%	Now	\$26,900	LIFE	**			
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Penetration</i>								
Plaster	50%	Now	\$3,600	LIFE	**	5	\$2,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement Stair</i>								
Ceilings								
AcousTileSusp.Lay-In	40%			2044	**	5	\$4,300	
Embossed Metal	40%			LIFE	**	5	\$2,000	
Exposed Struc: Concrete	5%			LIFE	**	5	\$100	
Exposed Struc: Steel	15%			LIFE	**			
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%			2041	**			
Retaining Walls								
Cast in Place Concrete	100%			2051	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			
On-Site Walkways								
Cast in Place Concrete	100%			2044	**			
Parking/Driveway								
Cast in Place Concrete	100%			2044	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%	2-4	\$5,900	2061	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated At 600 Amperes, Rusting Due To Water Leak Above.</i>								
Raceway								
Conduit	100%			2041	**	1		
Panelboards								
Fused Disc Sw	20%			2039	**	5		
Molded Case Bkrs	80%			2039	**	5	\$100	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 19 (FORMER ENGINE CO. 75)
Asset # : 13399

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Wiring								
Thermoplastic	100%			2041	**	1		
Motor Controllers								
Locally Mounted	100%			2036	**	5		
Ground								
Grounding Devices								
Generic	100%	2-4	\$10,200	LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded</i>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	**	1	\$2,000	
Generators								
Diesel	100%			2034	**	1	\$2,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Emergency Generator Rated At 40 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$200	
Fuel Storage								
Main Tank	100%			2046	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Building Backyard</i>								
<i>Explanation : No Available Nameplate Rating Capacity</i>								
Lighting								
Interior Lighting								
Fluorescent	60%			2031	\$33,100	10	\$3,600	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
LED	40%			2039	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : LED Fixtures Installed In 2017.</i>								
Egress Lighting								
Emergency, Service	50%			2031	\$2,000	1		
Exit, LED	50%			2046	**	1		
Exterior Lighting								
HID	100%			2031	\$29,600	10		
Alarm								
Fire/Smoke Detection								
Generic, Analog	100%	Now	\$16,400	2041	**	1-3	\$3,600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Fire Alarm Is Not Operational.</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 19 (FORMER ENGINE CO. 75)
Asset # : 13399

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2041	**	1		
Conversion Equipment								
Hot Water Boiler	100%	2-4	\$6,700	2036	**	1	\$2,900	
<i>Malfunctioning, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2039	**	4	\$300	
Terminal Devices								
Convactor/Radiator	60%			2036	**	1	\$1,300	
Unit Heater - Steam	40%			2031	\$14,400	4	\$200	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Split Unit	10%			2036	**			
Window/Wall Unit	60%			2029	\$14,400	1		
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	**	2-5	\$1,400	
No Component	60%							
Exhaust Fans								
Wall Unit	30%			2036	**	2	\$100	
No Component	30%							
Not Accessible	40%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	**	1		
Water Heater With Tanks								
Gas Fired	100%			2029	\$16,700	2		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One - 80 Gallon Unit Used With Solar Unit</i>								
HW Heat Exchanger								
Steam Fired	100%			2051	**	4	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof / Basement</i>								
<i>Explanation : Solar</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 19 (FORMER ENGINE CO. 75)
Asset # : 13399

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Sump Pump(s) Non-Submersible	100%	0-2	\$300	2031	\$1,300	4	\$100	
			<i>Corroded, Extent : Severe, Area Affected : 10%</i>					
			<i>Location : The Housing</i>					
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Dual Unit</i>					
Backflow Preventer								
Generic	100%			2036	**	1	\$400	
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 20 MORRIS PARK STATION
Address : JACOBI HOSPITAL 1410 PELHAM PARKWAY SOUTH
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSEMS.020 / 13990 **Yr Built/Renovated** :
Area Sq Ft : 12,848 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-Nov-2020 **Landmark Status** : NONE
Areas Surveyed : Floors 1
Block : 4205 **Lot** : 1 **BIN** : 2097552

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$256,700	\$106,200
Total	\$256,700	\$106,200
Importance Code A	\$256,700	\$106,200
Total	\$256,700	\$106,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$104,100			\$1,300
Interior Architecture	\$5,200	\$2,200		
Electrical	\$400	\$300	\$300	\$600
Mechanical	\$3,500	\$900	\$3,700	\$9,500
Site Pavements	\$14,400			
Total	\$127,600	\$3,400	\$4,000	\$11,400
Importance Code A	\$104,100			\$1,300
Importance Code B	\$9,100	\$3,100	\$4,000	\$10,100
Importance Code C	\$14,400	\$300		
Total	\$127,600	\$3,400	\$4,000	\$11,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
EMS STATION 20 MORRIS PARK STATION
Asset # : 13990

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%	Now	\$130,600	LIFE	**	5	\$8,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : At Entry Doors, Flag Pole Anchors, Building Corners, Underside Of Window Sills</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 30%</i>								
<i>Location : At Entry Doors, Flag Pole Anchors, Building Corners, Underside Of Window Sills</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Lower Half Of All Facades</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 20%</i>								
<i>Location : East Elevation And At Base Of Building, Entire Perimeter</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : At Base Of North And East Perimeter Walls. Seeps Through From Exterior</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Northern Half Of Building</i>								
<i>Explanation : The EMS Facility Resides In Portion Of Entire Building</i>								
Metal Panel	10%	Now	\$1,200	2042	**	5	\$1,800	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Building Corners And Window Sills</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Building Corners And Window Sills</i>								
Metal Coiling Doors	5%	Now	\$29,900	2052	**	5	\$700	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Panel Of Door And At Door Track</i>								
Windows								
Aluminum	100%	Now	\$126,100	2057	**	5	\$1,400	
<i>Air Infiltration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Windows. East Elevation</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Observed Within Apparatus Floor And East Side Of Building. Assumed Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Observed Within Apparatus Floor And East Side Of Building. Assumed Throughout</i>								
<i>Explanation : All Windows Are At The End Of Their Useful Life</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 20 MORRIS PARK STATION
Asset # : 13990

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	100%	Now	\$31,900	2032	\$106,200			
<i>Gut/DS Non Func/Miss, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Water Sheeting Over Soffit Edge Eroding Grounds</i>								
<i>Reflective Surface, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof Entire</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : West Side Of Roof. Observed From Ground Plane</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Roof Penetrations And North East Corner Of Storage Room</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof Entire</i>								
<i>Explanation : Condition Of Roof Observed From Ground Plane. No Access Hatch Available</i>								
Soffits								
Metal Panel	30%			2042	**	5-10	\$4,800	
Stucco Cement	70%	Now	\$41,100	2052	**	5	\$2,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Various Locations On The Underside Of Perimeter Soffit</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 75%</i>								
<i>Location : East Side Of Building</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Evidence Of Water Saturation Throughout Perimeter Soffits</i>								
Interior								
Floors								
Cast in Place Concrete	25%			LIFE	**	5	\$9,100	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout In Apparatus Floor</i>								
Ceramic Tile	5%			2045	**	5	\$800	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Bathrooms</i>								
Vinyl Tile	70%			2040	**	3	\$4,400	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout All Office Spaces And Hallways</i>								
Interior Walls								
Ceramic Tile	5%			2045	**	5	\$700	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Bathrooms</i>								
Gypsum Board	55%			LIFE	**	5	\$4,300	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Offices, Hallways, And Lockers</i>								
SGFT/Glazed Masonry	40%			LIFE	**			
<i>Recent Repair Evident, Extent : N/A, Area Affected : 75%</i>								
<i>Location : Apparatus Room</i>								

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FIRE DEPARTMENT - 057
EMS STATION 20 MORRIS PARK STATION
Asset # : 13990

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileConcealSpLn	50%			2049	**	5	\$10,400	
<i>Recent Construction, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Office And Hallway Ceilings</i>								
Exposed Struc: Steel	45%			LIFE	**			
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
Gypsum Board	5%			LIFE	**	5	\$1,000	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Office North Side</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2042	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	90%	Now	\$14,400	2052	**			
<i>Sinking/Subsiding, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Perimeter Walkways At Building And Parking Lot</i>								
Cast in Place Concrete	10%			2049	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2062	**	1		
Panelboards								
Fused Disc Sw	5%			2057	**	5		
Molded Case Bkrs	95%			2057	**	5	\$300	
Wiring								
Thermoplastic	100%			2062	**	1		
Motor Controllers								
Locally Mounted	100%			2052	**	5	\$100	
Lighting								
Interior Lighting								
LED	100%			2042	**			
Egress Lighting								
Emergency, Battery	50%			2042	**	10	\$1,600	
Exit, Service	50%			2042	**	1		
Alarm								

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FIRE DEPARTMENT - 057
EMS STATION 20 MORRIS PARK STATION
Asset # : 13990

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Security System

No Component

80%

Generic

10%

2042

* *

1

\$500

*Other Observation, Extent : Light, Area Affected : 10%**Location : Inside And Outside**Explanation : CCTV Surveillance Camera*

Generic

10%

2042

* *

1

\$500

*Other Observation, Extent : Light, Area Affected : 100%**Location : Exit Doors**Explanation : Intrusion Alarm*

Fire/Smoke Detection

No Component

70%

Generic, Digital

30%

2042

* *

1-3

\$2,400

*Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout The Building**Explanation : Strobe Lights, Manual Pull Station, Alarm Bells, Horns, Smoke Detector And**Fire Alarm Panel*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Plant Campus Steam /
PRV

80%

2042

* *

1

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Hospital Campus**Explanation : Steam Is Provided From Adjacent Building No.7. Storehouse*

No Component

20%

Distribution

Central Plant Steam

80%

2042

* *

4

\$500

Piping/Pmp

No Component

20%

Terminal Devices

Fan Coil Unit/Heat

80%

2040

* *

1

\$3,300

*Recent Installation, Extent : N/A, Area Affected : 100%**Location : Throughout*

No Component

20%

Air Conditioning

Energy Source

Electricity

50%

2048

* *

1

Electricity

50%

2054

* *

1

Conversion Equipment

Int Pkg Unit -

95%

2036

* *

2

\$700

Heating/Cooling

Split Unit

5%

2040

* *

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 20 MORRIS PARK STATION
Asset # : 13990

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Heat Rejection								
Air Cooled Condenser Unit	100%			2040	**	2	\$9,000	
Ventilation								
Distribution								
Ductwork Stainless Steel	100%			LIFE	**			
Exhaust Fans								
Interior	80%			2040	**	2	\$300	
No Component	20%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2042	**	1		
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2026	\$400	4	\$300	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : 2 Units</i>					
Fixtures								
Generic	100%							
			<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
Fire Suppression								
Chemical System								
No Component	90%							
Generic	10%			2027	\$8,000	1-3	\$8,100	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Fire Extinguishers</i>					

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 26 MORRISANIA STATION
Address : 1264 BOSTON ROAD BTWN E.168 ST. - E.169 ST.
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSEMS.026 / 13991 **Yr Built/Renovated** :
Area Sq Ft : 7,500 **Project Type** : FIRE DEPARTMENT
Date of Survey : 15-Feb-2019 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 2663 **Lot** : 22 **BIN** : 2004749

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Electrical	\$99,500	
Total	\$99,500	
Importance Code B	\$99,500	
Total	\$99,500	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$26,000	\$1,100	\$300	
Interior Architecture	\$86,400			\$500
Electrical	\$12,900	\$10,800	\$500	\$500
Mechanical	\$500	\$8,800	\$600	\$500
Site Enclosure	\$3,800			
Site Pavements	\$1,000			
Total	\$130,600	\$20,700	\$1,400	\$1,500
Importance Code A	\$26,400	\$1,500	\$700	\$400
Importance Code B	\$95,800	\$19,200	\$700	\$1,200
Importance Code C	\$8,500			
Total	\$130,600	\$20,700	\$1,400	\$1,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 26 MORRISANIA STATION
Asset # : 13991

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Metal, Corrugated	95%	Now	\$26,000	2056	**	1		
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Bottom Of Street Wall</i>								
<i>Deformed/Dented, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Metal Coiling Doors	5%			2035	**	5	\$2,200	
Windows								
Aluminum	100%			2046	**	5	\$600	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Roof								
Metal Panel	100%			2043	**	10	\$37,400	
Interior								
Floors								
Cast in Place Concrete	55%	0-2	\$9,500	LIFE	**	5	\$12,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Apparatus</i>								
Ceramic Tile	5%	0-2	\$5,700	2033	\$28,700	5	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	40%	Now	\$33,700	2040	**	3	\$1,600	
<i>Patching Evident, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2033	\$24,400	5	\$500	
Concrete Masonry Unit	55%			LIFE	**	5	\$2,000	
Metal Panel	40%	0-2	\$3,700	LIFE	**			
<i>Deformed/Dented, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	100%	0-2	\$33,800	2035	**	5	\$5,200	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$3,800	2050	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front Of Building</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2043	**			

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 26 MORRISANIA STATION
Asset # : 13991

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%	4+	\$1,000	2043		**		
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 20%**Location : Rear Of Building*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2030	\$14,700	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Front Office**Explanation : One 200 Ampere Service Switch*

Raceway

Conduit	100%			2030	\$36,000	1		
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Panelboards

Fused Disc Sw	5%			2029	\$2,400	5		
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Molded Case Bkrs	95%			2029	\$46,000	5	\$200	
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Wiring

Braided Cloth	30%	2-4	\$9,800	2055		**	1	
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*Insulation Aged, Extent : Moderate, Area Affected : 100%**Location : Throughout The Building*

Thermoplastic	70%			2030	\$22,800	1		
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Motor Controllers

Locally Mounted	100%			2028	\$17,800	5	\$100	
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Ground

Grounding Devices

Generic	100%			LIFE		**	5	\$100
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Stand-by Power

Transfer Switches

Automatic	100%			2028	\$12,900	1	\$2,300	
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Generators

Diesel	100%			2026	\$99,500	1	\$2,900	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside Rear Of Building**Explanation : 80 Kilovolt-ampere*

Batteries

Lead/Acid	100%			2024	\$2,400	5	\$300	
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Fuel Storage

Day Tank	100%			2029	\$25,000	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside Rear Of Building**Explanation : One 60 Gallon Tank*

Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
EMS STATION 26 MORRISANIA STATION
Asset # : 13991

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Interior Lighting								
HID	5%			2030	\$2,200	10		
LED	95%			2038	**			
Egress Lighting								
Emergency, Service	60%			2038	**	1		
Exit, Service	40%			2030	\$1,300	1		
Exterior Lighting								
HID	30%			2025	\$10,300	10		
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source								
Natural Gas	100%			2040	**	1		
Conversion Equipment								
Furnace	50%			2035	**	1	\$1,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : 3 Units</i>								
Hot Water Boiler	50%			2047	**	1	\$1,900	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : One Unit</i>								
Distribution								
Hot Wtr Piping/Pump	50%			2038	**	4	\$200	
No Component	50%							
Terminal Devices								
Convactor/Radiator	50%			2035	**	1	\$1,200	
No Component	50%							

Air Conditioning

Energy Source								
Electricity	100%			2038	**	1		
Conversion Equipment								
Window/Wall Unit	30%			2025	\$8,300	1		
No Component	70%							

Plumbing

H/C Water Piping								
Brass/Copper	100%			2040	**	1		
Water Heater With Tanks								
Gas Fired	100%			2029	\$16,700	2		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Locker Room</i>								
<i>Explanation : Gas Fired Domestic Hot Water Heater</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 26 MORRISANIA STATION
Asset # : 13991

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Fixtures							
	Generic	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 27
Address : 243 EAST 233RD STREET BTWN KEPLER AVE. - KATONAH AVE.
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSEMS.027 / 13993 **Yr Built/Renovated** : 2011 /
Area Sq Ft : 12,027 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-Dec-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3,4
Block : 3374 **Lot** : 10 **BIN** : 2019007

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$29,400	\$15,000		\$11,600
Interior Architecture	\$13,500	\$900	\$900	\$1,400
Electrical	\$1,100	\$1,200	\$3,700	\$12,400
Mechanical	\$2,900	\$1,500	\$2,100	\$1,400
Total	\$46,900	\$18,600	\$6,800	\$26,700
Importance Code A	\$31,500	\$15,700	\$500	\$12,200
Importance Code B	\$15,400	\$3,000	\$5,800	\$14,400
Importance Code C			\$500	
Total	\$46,900	\$18,600	\$6,800	\$26,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 27
Asset # : 13993

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Masonry: Brick Cavity	65%	Now	\$26,900	LIFE	**	5	\$15,800		
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Basement Foundation Wall At 234 Street Side</i>									
Metal Panel	10%			2052	**	5-10	\$16,700		
Metal Sect. OHD	20%			2045	**	5	\$15,200		
Metal Coiling Doors	5%	4+	\$2,500	2045	**	5	\$1,900		
<i>Misaligned/Bulging, Extent : Light, Area Affected : 2%</i>									
<i>Location : Reported Coiling Door At Apparatus Entry</i>									
Windows									
Aluminum	99%			2048	**	5	\$1,200		
Metal Louvers	1%			2041	**	10	\$100		
Parapets									
Metal Panel	100%			2052	**	5	\$6,700		
Roof									
Metal Panel	50%			2045	**	10	\$7,400		
Modified Bitumen	45%			2037	**	10	\$3,700		
Plaza Roof: Stone Panels	5%			2052	**				
Interior									
Floors									
Cast in Place Concrete	45%	4+	\$13,500	LIFE	**	5	\$17,700		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>									
<i>Location : Base Of Metal Coil Door</i>									
Ceramic Tile	5%			2041	**	5	\$900		
Sheet Vinyl/Rubber	10%			2037	**	5	\$2,700		
Vinyl Tile	40%			2037	**	3	\$2,700		
Interior Walls									
Ceramic Tile	5%			2041	**	5	\$900		
Concrete Masonry Unit	40%			LIFE	**	5	\$3,000		
Glazed Ceramic Panel	30%			LIFE	**				
Gypsum Board	17%			LIFE	**	5	\$1,900		
Metal Panel	8%			LIFE	**				
Ceilings									
Exposed Struc: Steel	75%			LIFE	**				
Gypsum Board	23%			LIFE	**	5	\$5,200		
Metal Panel	2%			LIFE	**	5	\$500		
Site Pavements									
Parking/Driveway									
Cast in Place Concrete	100%			2045	**				

Electrical		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 27
Asset # : 13993

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2052	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room. Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2052	**	5	\$300	
Raceway								
Conduit	100%			2052	**	1		
Panelboards								
Fused Disc Sw	5%			2048	**	5		
Molded Case Bkrs	95%			2048	**	5	\$300	
Wiring								
Thermoplastic	100%			2052	**	1		
Motor Controllers								
Locally Mounted	100%			2045	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2045	**	1	\$3,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two Automatic Transfer Switches</i>								
Generators								
Diesel	100%			2041	**	1	\$4,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room. Basement</i>								
<i>Explanation : One 83 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2026	\$2,400	5	\$400	
Fuel Storage								
Main Tank	100%			2060	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 2500 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent	100%			2037	**	10	\$11,000	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Egress Lighting								
Emergency, Service	60%			2037	**	1		
Exit, Service	40%			2037	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 27
Asset # : 13993

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting								
HID	20%			2037	**	10		
No Component	80%							

Alarm

Security System								
No Component	80%							
Generic	20%			2037	**	1	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Inside And Outside</i>								
<i>Explanation : CCTV Surveillance Camera</i>								

Fire/Smoke Detection

No Component	70%							
Generic, Digital	30%			2040	**	1-3	\$2,200	

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source								
Electricity	10%			2052	**	1		
Natural Gas	90%			2052	**	1		

Conversion Equipment

Furnace	50%	Now	\$1,800	2037	**	1	\$2,700	
<i>Malfunctioning, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : One Of The Units Is Not Working On The Roof. Presently Under Repair</i>								
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Roof</i>								
<i>Explanation : 3 Rooftop Package Units</i>								

Hot Water Boiler	40%			2045	**	1	\$2,400	
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : 1 Unit</i>								

Radiant Heater	10%			2037	**	2	\$600	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Staircases</i>								
<i>Explanation : 6 Sections Of Electric Baseboard</i>								

Distribution

Hot Wtr Piping/Pump	40%			2048	**	4	\$400	
No Component	60%							

Terminal Devices

Convactor/Radiator	15%			2045	**	1	\$600	
Fan Coil Unit/Heat	15%			2037	**	1	\$600	
Unit Heater - Steam	10%			2037	**	4	\$200	
No Component	60%							

Air Conditioning

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 27
Asset # : 13993

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Electricity	100%			2048	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	50%			2037	**	2	\$400	
		<i>Other Observation, Extent : Light, Area Affected : 50%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 3 Rooftop Package Units. R-410a</i>						
Split Unit	10%			2037	**			
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 2 Units. R-410a</i>						
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2037	**	1	\$400	
No Component	90%							
Heat Rejection								
Evaporative Condenser	10%			2037	**	2	\$800	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,700	
Exhaust Fans								
Interior	15%			2037	**	2	\$100	
Roof	85%			2037	**	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2052	**	1		
Water Heater With Tanks								
Gas Fired	100%			2030	\$16,700	2		
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Backflow Preventer								
Generic	100%			2037	**	1	\$700	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2052	**	1-2	\$3,400	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 31 CUMBERLAND STATION
Address : 39 AUBURN PLACE @ N PORTLAND AVE @ CUMBERLAND HOSPITAL
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.031 / 13994 **Yr Built/Renovated** :
Area Sq Ft : 3,200 **Project Type** : FIRE DEPARTMENT
Date of Survey : 25-Feb-2019 **Landmark Status** : NONE
Areas Surveyed : Floors 1
Block : 2039 **Lot** : 101 **BIN** : 3251647

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture		\$105,800
Site Pavements		\$219,700
Total		\$325,600
Importance Code B		\$105,800
Importance Code C		\$219,700
Total		\$325,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture			\$400	
Interior Architecture	\$31,500			\$500
Electrical		\$3,000		
Mechanical	\$14,500	\$26,700	\$1,700	\$700
Site Pavements	\$25,500			
Total	\$71,400	\$29,700	\$2,100	\$1,100
Importance Code A			\$400	
Importance Code B	\$44,900	\$29,700	\$1,700	\$1,100
Importance Code C	\$26,600			
Total	\$71,400	\$29,700	\$2,100	\$1,100



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 31 CUMBERLAND STATION
Asset # : 13994

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Masonry: Brick	60%			LIFE	**	5	\$9,800		
Metal Coiling Doors	40%			2043	**	5	\$20,500		
Windows									
Aluminum	100%			2046	**	5	\$800		
Roof									
No Component	80%								
Not Accessible	20%								
Interior									
Floors									
Cast in Place Concrete	30%	Now	\$3,000	LIFE	**	5	\$4,000		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Garage Area</i>									
Ceramic Tile	5%			2039	**	5	\$300		
Vinyl Tile	65%	Now	\$10,600	2030	\$105,800	3	\$1,500		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>									
<i>Location : Throughout</i>									
<i>Recent Repair Evident, Extent : N/A, Area Affected : 20%</i>									
<i>Location : Throughout</i>									
Interior Walls									
Ceramic Tile	5%	Now	\$1,100	2039	**	5	\$200		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Shower Stalls</i>									
Concrete Masonry Unit	5%			LIFE	**	5	\$200		
Gypsum Board	75%			LIFE	**	5	\$3,700		
Masonry: Brick	5%			LIFE	**				
SGFT/Glazed Masonry	10%			LIFE	**				
Ceilings									
AcousTileSusp.Lay-In	85%	Now	\$16,700	2035	**	5	\$2,600		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>									
<i>Location : Throughout</i>									
Exposed Struc: Concrete	10%			LIFE	**	5	\$100		
Exposed Struc: Steel	5%			LIFE	**				
Site Pavements									
On-Site Walkways									
Cast in Place Concrete	100%	Now	\$3,500	2035	**				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>									
<i>Location : Walkway Adjacent To Lieutenant Office Window</i>									
Parking/Driveway									
Asphalt	100%	Now	\$22,000	2033	\$219,700				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>									
<i>Location : At Vehicle Entry And Adjacent Parking Spaces</i>									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 31 CUMBERLAND STATION
Asset # : 13994

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2040	**	1		
Panelboards								
Molded Case Bkrs	100%			2038	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : In Hallway</i>								
<i>Explanation : Breaker Panel In Use</i>								
Wiring								
Thermoplastic	100%			2040	**	1		
Motor Controllers								
Locally Mounted	100%			2028	\$17,800	5		
Lighting								
Interior Lighting								
Fluorescent	100%			2030	\$27,100	10	\$2,900	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Egress Lighting								
Emergency, Battery	50%			2025	\$2,600	10	\$400	
Exit, Service	50%			2030	\$700	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Egress Fixtures Connected To Main Building Service</i>								
Exterior Lighting								
HID	50%			2030	\$7,300	10		
<i>Outdr Lights On During Daytime, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside Perimeter</i>								
No Component	50%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Utilities Provided From Main Hospital Building</i>								
Conversion Equipment								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Provided From Main Hospital Building</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 31 CUMBERLAND STATION
Asset # : 13994

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Distribution								
Ductwork/Diffusers	50%	4+	\$1,800	LIFE	**	2-5	\$900	
<i>Damaged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Diffusers In Locker Room</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Office And Break Area And Lockers</i>								
<i>Explanation : Area Served By Heating / Cooling Ducts And Diffusers</i>								
Hot Wtr Piping/Pump	50%			2046	**	4	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage</i>								
<i>Explanation : Hot Water System Serves Garage Unit Heaters</i>								
Terminal Devices								
Fan Coil Unit/Heat	40%	Now	\$9,300	2040	**	1	\$400	
<i>Broken, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 2 Hydronic Units In Garage</i>								
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Garage</i>								
<i>Explanation : 2 Electric Units</i>								
No Component	60%							
Air Conditioning								
Energy Source								
Not Accessible	100%							
Conversion Equipment								
Split Unit	50%	4+	\$1,900	2030	\$37,100			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Storage Room</i>								
<i>Explanation : 2 Units. Condensate Drains Reported To Back Up</i>								
Window/Wall Unit	50%			2025	\$5,900	1		
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2	\$2,100	
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$1,800	
Exhaust Fans								
Not Accessible	100%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 31 CUMBERLAND STATION
Asset # : 13994

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Water Heater With Tanks								
Electric	50%			2025	\$11,500	4		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Garage</i>						
		<i>Explanation : One 50 Gallon Unit Serves Garage Utility Sink</i>						
No Component	50%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location : Locker Areas</i>						
		<i>Explanation : Hot Water Provided From Main Hospital Building</i>						
Sanitary Piping								
Cast Iron	100%	Now	\$800	LIFE	**	1		
		<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Hallway</i>						
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%			2030	\$600	4	\$100	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2050	**	1-2	\$900	
Fire Pump								
Not Accessible	100%							
Chemical System								
No Component	90%							
Generic	10%			2025	\$8,000	1-3	\$7,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Fire Extinguishers</i>						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 32 EMS - BROOKLYN HEIGHTS/RED HOOK
Address : 347 BOND STREET @ CARROLL ST.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.032 / 13875 **Yr Built/Renovated** :
Area Sq Ft : 8,194 **Project Type** : FIRE DEPARTMENT
Date of Survey : 25-Jun-2019 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 452 **Lot** : 5 **BIN** : 3007662

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$70,200	\$219,900
Mechanical		\$220,200
Site Pavements	\$73,000	
Total	\$143,200	\$440,200
Importance Code A	\$70,200	\$219,900
Importance Code B		\$220,200
Importance Code C	\$73,000	
Total	\$143,200	\$440,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$63,300		\$800	
Interior Architecture	\$3,700			\$400
Electrical	\$3,600	\$9,000	\$1,300	\$1,000
Mechanical	\$15,400	\$36,400	\$3,700	\$700
Site Enclosure	\$2,800			
Total	\$88,700	\$45,400	\$5,700	\$2,100
Importance Code A	\$63,700	\$400	\$1,200	\$400
Importance Code B	\$21,600	\$45,000	\$4,600	\$1,700
Importance Code C	\$3,400			
Total	\$88,700	\$45,400	\$5,700	\$2,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 32 EMS - BROOKLYN HEIGHTS/RED HOOK
Asset # : 13875

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	65%	Now	\$70,200	LIFE	**	5	\$8,700	
<i>Efflorescence, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Parking Lot Facade</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East Facade</i>								
Metal Panel	10%	0-2	\$1,700	2050	**	5	\$2,500	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : East And West Facades</i>								
<i>Deteriorated Finish, Extent : Light, Area Affected : 10%</i>								
<i>Location : East Facade</i>								
Metal Sect. OHD	20%			2043	**	5	\$8,400	
Slate Panels	5%	Now	\$10,200	LIFE	**	5	\$500	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : North Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : North Facade</i>								
Windows								
Aluminum	100%			2046	**	5	\$1,500	
Parapets								
Masonry: Brick	80%	Now	\$40,000	LIFE	**	5	\$3,200	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Interior Face</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Interior Face</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : East Facade</i>								
Masonry: Limestone	20%			LIFE	**	5	\$1,000	
Roof								
Modified Bitumen	100%	Now	\$11,000	2030	\$219,900			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over Mens Locker Room And Conference Room</i>								
Soffits								
Metal Panel	100%	4+	\$400	2050	**	5	\$1,300	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 10%</i>								
<i>Location : Main Entrance</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
EMS STATION 32 EMS - BROOKLYN HEIGHTS/RED HOOK
Asset # : 13875

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	70%			LIFE	**	5	\$18,800	
Ceramic Tile	5%			2039	**	5	\$600	
Vinyl Tile	25%	4+	\$1,700	2035	**	3	\$1,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Main Entrance</i>								
Interior Walls								
Ceramic Tile	5%			2039	**	5	\$1,300	
Concrete Masonry Unit	30%			LIFE	**	5	\$3,100	
Gypsum Board	65%			LIFE	**	5	\$10,200	
Ceilings								
AcousTileSusp.Lay-In	30%			2043	**	5	\$3,700	
Exposed Struc: Steel	60%			LIFE	**			
Gypsum Board	10%	Now	\$1,000	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Mens Locker And Conference Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Mens Locker And Conference Room</i>								
Site Enclosure								
Fence/Gates								
Chain Link	53%	Now	\$800	2050	**			
<i>Impact Damage, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Along East Property Line</i>								
Iron Picket	47%	Now	\$2,000	2065	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Gate Along Carroll Street</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Along Carroll Street</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2043	**			
On-Site Walkways								
Cast in Place Concrete	100%			2043	**			
Parking/Driveway								
Asphalt	95%	Now	\$73,000	2039	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Parking Lot</i>								
<i>Ponding, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Parking Lot</i>								
<i>Potholes, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Parking Lot</i>								
Cast in Place Concrete	5%			2043	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 32 EMS - BROOKLYN HEIGHTS/RED HOOK
Asset # : 13875

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2050	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : One 400 Ampere Main Disconnect Switch</i>						
Raceway								
Conduit	100%			2050	**	1		
Panelboards								
Molded Case Bkrs	100%			2046	**	5	\$200	
Wiring								
Thermoplastic	100%			2050	**	1		
Motor Controllers								
Locally Mounted	100%			2043	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2043	**	1	\$2,500	
Generators								
Diesel	100%			2039	**	1	\$3,200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Generator Enclosure - Outside</i>						
		<i>Explanation : One 180 Kilowatt Capacity</i>						
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$300	
Fuel Storage								
Day Tank	50%			2046	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Generator Enclosure - Outside</i>						
		<i>Explanation : One 150 Gallon</i>						
Main Tank	50%			2058	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Underground</i>						
		<i>Explanation : One 2,500 Gallon</i>						
Lighting								
Interior Lighting								
Fluorescent	100%			2035	**	10	\$7,500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : T-8 Lamps</i>						
Egress Lighting								
Emergency, Service	40%			2035	**	1		
Emergency, Battery	10%			2035	**	10	\$200	
Exit, Battery	50%			2035	**	10	\$300	

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FIRE DEPARTMENT - 057
EMS STATION 32 EMS - BROOKLYN HEIGHTS/RED HOOK
Asset # : 13875

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Exterior Lighting								
HID	10%			2035	**	10		
LED	90%			2038	**			
Alarm								
Fire/Smoke Detection								
Generic, Digital	100%			2035	**	1-3	\$5,000	
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2050	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2035	**	1	\$4,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : One Unit</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2038	**	4	\$400	
Terminal Devices								
Convactor/Radiator	50%			2035	**	1	\$1,300	
Fan Coil Unit/Heat	50%			2030	\$99,200	1	\$1,300	
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	90%	4+	\$12,100	2030	\$121,000	2	\$400	
<i>Malfunctioning, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Units Are Running But Not Sufficiently Cooling The Building</i>								
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2 Units On The Roof</i>								
Split Unit	10%			2025	\$19,000			
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$10,700	
Ventilation								
Exhaust Fans								
Roof	100%			2030	\$15,500	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2056	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
EMS STATION 32 EMS - BROOKLYN HEIGHTS/RED HOOK
Asset # : 13875

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Water Heater With Tanks Gas Fired	100%			2025	\$16,700	2		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Hot Water Heater Room</i>								
<i>Explanation : One 70 Gallon Unit</i>								
Sanitary Piping Cast Iron	100%	Now	\$2,000	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : In Bathrooms When It Rains</i>								
Storm Drain Piping Cast Iron	100%	Now	\$600	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : In Side Yard When It Rains</i>								
Fixtures Generic	100%							

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 35
Address : 332 METROPOLITAN AVE @ ROEBLING ST.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.035 / 14770 **Yr Built/Renovated** : 2013 /
Area Sq Ft : 10,601 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Feb-2019 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2368 **Lot** : 12 **BIN** : 3391565

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture		\$58,000
Interior Architecture		\$137,000
Total		\$195,000
Importance Code A		\$58,000
Importance Code B		\$137,000
Total		\$195,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$38,400	\$23,800	\$100	
Interior Architecture	\$1,300			\$600
Electrical	\$1,600	\$4,200	\$1,900	\$1,800
Mechanical	\$1,400	\$1,400	\$5,900	\$1,600
Site Pavements				
Total	\$42,800	\$29,400	\$7,900	\$4,000
Importance Code A	\$39,000	\$24,300	\$600	\$500
Importance Code B	\$3,400	\$5,100	\$7,200	\$3,500
Importance Code C	\$400			
Total	\$42,800	\$29,400	\$7,900	\$4,000



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 35
Asset # : 14770

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Concrete Masonry Unit	12%			LIFE	**	5	\$1,800	
Metal/Glass Curt Wall	32%			LIFE	**	5	\$14,500	
Metal Panel	48%			2050	**	5-10	\$79,800	
Metal Sect. OHD	8%			2043	**	5	\$6,000	
Windows								
Aluminum	15%			2046	**	5	\$200	
No Component	85%							
Parapets								
Concrete Masonry Unit	45%			LIFE	**	5	\$1,300	
Metal/Glass Curt Wall	15%			2050	**	5	\$1,500	
Metal Panel	25%			2050	**	5	\$2,600	
Metal: Cage/Fence	15%			2043	**	5-10	\$3,100	
Roof								
IRMA/Protected Membrane	60%	Now	\$4,500	2035	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Mens Room And Payroll Office</i>								
Plaza Roof: Stone Panels	15%			2050	**			
Skylight, Metal/Glass	12%			2050	**	10	\$6,400	
Sloped Glazing	13%	Now	\$34,000	LIFE	**	5	\$27,900	
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2 Sections</i>								
Soffits								
Metal Panel	100%			2050	**	5-10		
Interior								
Floors								
Cast in Place Concrete	65%			LIFE	**	5	\$22,600	
Ceramic Tile	3%			2039	**	5	\$500	
Vinyl Tile	32%			2030		3	\$2,500	
Interior Walls								
Cast in Place Concrete	15%			LIFE	**			
Ceramic Tile	2%			2039	**	5	\$900	
Concrete Masonry Unit	55%			LIFE	**	5	\$9,600	
Glass: Single Pane	10%			LIFE	**	5	\$3,300	
Gypsum Board	15%			LIFE	**	5	\$3,900	
Metal Panel	3%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	25%			2043	**	5	\$3,800	
Exposed Struc: Concrete	20%			LIFE	**	5	\$500	
Fiber Board	20%			2035	**			
Gypsum Board	10%			LIFE	**	5	\$1,900	
Metal Panel	25%			LIFE	**	5	\$4,800	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2043	**			

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 35
Asset # : 14770

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%			2043	**			
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Parking/Driveway

Asphalt	100%			2033	\$22,500			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2056	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room**Explanation : One 600 Ampere Main Disconnect Switch*

Switchgear / Switchboard

Fused Disc Sw	100%			2056	**	5		
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Raceway

Conduit	100%			2056	**	1		
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Panelboards

Fused Disc Sw	5%			2052	**	5		
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Molded Case Bkrs	95%			2052	**	5	\$300	
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Wiring

Thermoplastic	100%			2056	**	1		
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Motor Controllers

Locally Mounted	100%			2047	**	5	\$100	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : 1st Floor Hallway**Explanation : Motor Controllers Connected To Energy Management Control Corp. Under Building Management System*

Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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Stand-by Power

Transfer Switches

Automatic	100%			2050	**	1	\$3,300	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : New Generator Installed In 2018.*

Generators

Diesel	100%			2045	**	1	\$4,100	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 80 Kilowatt Generator Installed In 2018.*

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FIRE DEPARTMENT - 057
EMS STATION 35
Asset # : 14770

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power Batteries								
Lead/Acid	100%			2025	\$2,400	5	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : New Generator Installed In 2018.</i>								
<hr/>								
Fuel Storage Day Tank								
	25%			2055	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : New 25 Gallon Tank Installed In 2018.</i>								
<hr/>								
Main Tank								
	75%			2065	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Oil Tank Room</i>								
<i>Explanation : 2,500 Gallon Tank Located In The Basement</i>								
<hr/>								
Lighting								
Interior Lighting Fluorescent								
	90%			2038	**	10	\$8,800	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<hr/>								
Fluorescent								
	10%			2038	**	10	\$1,000	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<hr/>								
Egress Lighting								
Emergency, Battery								
	50%			2038	**	10	\$1,300	
Exit, Service								
	50%			2038	**	1		
<hr/>								
Exterior Lighting								
Fluorescent								
	40%			2038	**	10	\$400	
HID								
	60%			2038	**	10		
<hr/>								
Alarm								
Security System								
No Component								
	30%							
Generic								
	70%			2038	**	1	\$2,800	
<hr/>								
Fire/Smoke Detection								
Generic, Digital								
	100%			2038	**	1-3	\$6,500	

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2050	**	1		
<hr/>								
Conversion Equipment								
Hot Water Boiler	100%			2043	**	1	\$5,200	
<hr/>								
Distribution								
Hot Wtr Piping/Pump	100%			2046	**	4	\$500	

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FIRE DEPARTMENT - 057
EMS STATION 35
Asset # : 14770

Mechanical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Air Handler	60%			2035	**	1	\$3,900	
Fan Coil Unit/Heat	20%			2035	**	1	\$700	
Unit Heater - Hot Water	20%			2035	**			
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	75%			2035	**	2	\$500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : On The Roof</i>						
		<i>Explanation : Two Units</i>						
No Component	25%							
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$13,800	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,900	
Exhaust Fans								
Interior	10%			2035	**	2		
Roof	90%			2035	**	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2050	**	1		
Water Heater With Tanks								
Gas Fired	100%			2028		2	\$16,700	
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sewage Ejector(s)								
Electric	100%			2035	**	4	\$400	
Backflow Preventer								
Generic	100%			2035	**	1	\$700	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	10%							
Generic	90%			2050	**	1-2	\$2,700	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 38 WINGATE STATION
Address : 554 WINTHROP STREET @ KINGS COUNTY HOSPITAL
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.038 / 13720 **Yr Built/Renovated** : 2005 /
Area Sq Ft : 5,975 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-Mar-2019 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 4829 **Lot** : 1 **BIN** : 3327722

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$25,600	\$1,500	\$300	
Interior Architecture	\$500		\$300	
Electrical	\$6,200	\$6,000	\$900	\$800
Mechanical	\$200	\$600	\$1,100	\$600
Site Enclosure	\$9,300			
Site Pavements	\$3,000			
Total	\$44,800	\$8,100	\$2,600	\$1,300
Importance Code A	\$25,800	\$1,900	\$400	\$400
Importance Code B	\$9,400	\$6,200	\$2,200	\$900
Importance Code C	\$9,600			
Total	\$44,800	\$8,100	\$2,600	\$1,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 38 WINGATE STATION
Asset # : 13720

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	25%	Now	\$15,500	LIFE	**	5	\$31,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Along Winthrop Street</i>								
Masonry: Brick	50%			LIFE	**	5	\$8,000	
Metal Panel	5%			2050	**	5-10	\$5,500	
Metal Sect. OHD	20%			2043	**	5	\$10,000	
Windows								
Aluminum	100%			2046	**	5	\$600	
Parapets								
Cast Stone/Terra Cotta	20%	0-2	\$1,200	LIFE	**	5	\$2,600	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Coping Stone Throughout</i>								
Masonry: Brick	80%			LIFE	**	5	\$1,300	
Roof								
Modified Bitumen	100%	4+	\$9,000	2035	**			
<i>Blisters, Extent : Light, Area Affected : 5%</i>								
<i>Location : Upper Roof</i>								
Soffits								
Metal Panel	100%			2050	**	5-10		
Interior								
Floors								
Cast in Place Concrete	70%			LIFE	**	5	\$13,700	
Ceramic Tile	5%			2039	**	5	\$400	
Vinyl Tile	25%			2035	**	3	\$800	
Interior Walls								
Ceramic Tile	5%			2039	**	5	\$500	
Concrete Masonry Unit	50%			LIFE	**	5	\$2,100	
Gypsum Board	40%			LIFE	**	5	\$2,600	
Masonry: Brick	5%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	40%			2043	**	5	\$3,600	
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Steel	60%			LIFE	**			
Site Enclosure								
Fence/Gates								
Iron Picket	100%	Now	\$9,300	2065	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Gate Not Functioning Along West Side</i>								
<i>Impact Damage, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Along West Side</i>								
Retaining Walls								
Cast in Place Concrete	100%			2065	**			
Site Pavements								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 38 WINGATE STATION
Asset # : 13720

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	2-4	\$3,000	2043	**			
		<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Along Winthrop Street</i>						
On-Site Walkways								
Cast in Place Concrete	100%			2043	**			
Parking/Driveway								
Asphalt	100%			2039	**			
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2050	**	5	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : One 400 Ampere Main Breaker Part Of Unit</i>						
Raceway								
Conduit	100%			2050	**	1		
Panelboards								
Molded Case Bkrs	100%			2046	**	5	\$200	
		<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Panel L P A</i>						
		<i>Explanation : Missing Circuit Breakers At Positions 38, 40 And 42</i>						
Wiring								
Thermoplastic	100%			2050	**	1		
Motor Controllers								
Locally Mounted	90%			2043	**	5		
Motor Control Center	10%			2043	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Mechanical Room</i>						
		<i>Explanation : Ground Connection</i>						
Stand-by Power								
Transfer Switches								
Automatic	100%			2043	**	1	\$1,800	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Electrical Service Room</i>						
		<i>Explanation : Automatic Transfer Switch Rated For 200 Amperes</i>						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 38 WINGATE STATION
Asset # : 13720

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power Generators Diesel	100%			2043	**	1	\$2,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior Location</i>								
<i>Explanation : Nameplate Rating Is 75 Kilovolt-ampere</i>								
Batteries Not Accessible	100%							
Fuel Storage Main Tank	100%			2045	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Parking Lot</i>								
<i>Explanation : Tank Capacity Is 100 Gallons</i>								
Lighting Interior Lighting Fluorescent	95%			2035	**	10	\$5,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 Fixtures In Use</i>								
HID	5%			2035	**	10		
Egress Lighting Exit, Service	100%			2035	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fixtures Connected To Building Main Power Supply</i>								
Exterior Lighting HID	100%	Now	\$5,400	2040	**			
<i>Malfunctioning, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Parking Lot</i>								
Alarm Fire/Smoke Detection Generic, Digital	100%			2038	**	1-3	\$3,700	

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating Energy Source Natural Gas	100%			2050	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 38 WINGATE STATION
Asset # : 13720

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Conversion Equipment Furnace	50%			2035	**	1	\$1,500	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Roof</i>								
<i>Explanation : One Gas Fired Packaged Rooftop Unit</i>								
Radiant Heater	50%			2035	**	2	\$1,400	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Garage Ceiling</i>								
<i>Explanation : Four Gas Fired Space Heaters</i>								
Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,300	
Air Conditioning								
Energy Source Electricity	100%			2046	**	1		
Conversion Equipment Ext Pkg Unit - Heating/Cooling	100%			2035	**	2	\$400	
Ventilation								
Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,300	
Exhaust Fans Roof	100%			2035	**	2	\$200	
Plumbing								
H/C Water Piping Brass/Copper	100%			2050	**	1		
Water Heater With Tanks Gas Fired	100%			2028	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Utility Closet</i>								
<i>Explanation : One 80 Gallon Unit</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Backflow Preventer Generic	100%			2035	**	1	\$400	
Fixtures Generic	100%							

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 39 PENNSYLVANIA STATION
Address : 265 PENNSYLVANIA AVE. BTWN PITKIN AVE - BELMONT AVE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.039 / 13997 **Yr Built/Renovated** :
Area Sq Ft : 10,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Feb-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 3738 **Lot** : 7 **BIN** : 3048341

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$72,800	
Mechanical		\$155,500
Total	\$72,800	\$155,500
Importance Code A	\$72,800	
Importance Code B		\$155,500
Total	\$72,800	\$155,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$4,900			
Interior Architecture	\$3,700	\$1,000		
Electrical	\$900	\$3,300	\$700	\$700
Mechanical	\$1,700	\$900	\$4,700	\$900
Total	\$11,200	\$5,200	\$5,400	\$1,600
Importance Code A	\$5,200	\$400	\$200	\$400
Importance Code B	\$6,000	\$4,200	\$5,200	\$1,200
Importance Code C		\$600		
Total	\$11,200	\$5,200	\$5,400	\$1,600



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 39 PENNSYLVANIA STATION
Asset # : 13997

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Exposed Struc: Steel	5%			LIFE	**	5	\$2,700	
Masonry: Brick	50%			LIFE	**	5	\$8,800	
Metal Panel	10%			2058	**	5-10	\$12,100	
Metal Sect. OHD	10%			2049	**	5	\$5,500	
Window Wall	25%			2058	**	5	\$16,500	
Windows								
Aluminum	100%			2054	**	5	\$4,300	
Parapets								
Concrete Masonry Unit	70%			LIFE	**	5	\$1,600	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Parapet Interior</i>								
<i>Explanation : Roof Material Up Sides Of Parapet Interior</i>								
Metal Panel	30%			2058	**	5	\$2,400	
Roof								
Built-Up (BUR)	45%			2040	**	10	\$10,200	
Green, Roof Inaccessible	45%			LIFE	**			
<i>Extensive: Non-tray Type, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
Skylight, Plastic	10%	Now	\$72,800	2049	**	1		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Office</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	80%			LIFE	**	5	\$30,500	
Ceramic Tile	5%			2045	**	5	\$900	
Quarry Tile	5%			2049	**	5	\$1,300	
Not Accessible	10%							
<i>Other Observation, Extent : N/A, Area Affected : 0%</i>								
<i>Location : Crawlspace</i>								
<i>Explanation : Inaccessible</i>								
Interior Walls								
Ceramic Tile	5%			2045	**	5	\$1,200	
Concrete Masonry Unit	15%			LIFE	**	5	\$1,400	
Gypsum Board	50%			LIFE	**	5	\$6,900	
Masonry: Brick	20%			LIFE	**			
<i>Painted Surfaces, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Walls</i>								
Not Accessible	10%							
<i>Other Observation, Extent : N/A, Area Affected : 0%</i>								
<i>Location : Crawlspace</i>								
<i>Explanation : Inaccessible</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 39 PENNSYLVANIA STATION
Asset # : 13997

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileSusp.Lay-In	35%			2049	**	5	\$6,100	
Exposed Struc: Steel	55%			LIFE	**			
Not Accessible	10%							

Other Observation, Extent : N/A, Area Affected : 0%

Location : Crawlspace

Explanation : Inaccessible

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2049	**			
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Parking/Driveway

Cast in Place Concrete	100%			2049	**			
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Electrical

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2058	**	5		
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Electrical Room

Explanation : Main Service Disconnect Switch Rated At 400 Amperes.

Switchgear / Switchboard

Molded Case Bkrs	100%			2058	**	5	\$300	
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Raceway

Conduit	100%			2058	**	1		
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Panelboards

Molded Case Bkrs	100%			2054	**	5	\$300	
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Wiring

Thermoplastic	100%			2058	**	1		
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Motor Controllers

Variable Frequency Drive	100%			2049	**			
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Ground

Grounding Devices

Not Accessible	100%							
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Stand-by Power

Transfer Switches

Automatic	100%			2049	**	1	\$3,100	
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Generators

Diesel	100%			2035	**	1	\$3,900	
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Garage

Explanation : Emergency Generator Rated At 81 Kilovolt Amperes.

Batteries

Lead/Acid	100%			2025	\$2,400	5	\$400	
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 39 PENNSYLVANIA STATION
Asset # : 13997

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Fuel Storage								
Main Tank	100%			2047	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Garage</i>								
<i>Explanation : 60 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
LED	100%			2040	**			
Egress Lighting								
Emergency, Service	40%			2040	**	1		
Emergency, Service	10%			2040	**	1		
Exit, LED	50%			2067	**	1		
Exterior Lighting								
LED	10%			2040	**			
No Component	90%							
Alarm								
Security System								
No Component	90%							
Generic	10%			2040	**	1	\$400	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Front Of The Building</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Electricity	25%			2062	**	1		
Natural Gas	50%			2042	**	1		
Solar Panels	25%			2062	**	2	\$200	
Conversion Equipment								
Heat Pump Air Sourced	25%			2037	**	2	\$800	
Hot Water Boiler	50%			2052	**	1	\$2,500	
No Component	25%							
Distribution								
Ductwork/Diffusers	60%			LIFE	**	2-5	\$3,300	
No Component	40%							
Terminal Devices								
Air Handler	50%			2042	**	1	\$3,100	
Convactor/Radiator	10%			2030	\$6,000	1	\$300	
No Component	40%							
Air Conditioning								
Energy Source								
Electricity	75%			2040	**	1		
Solar Panels	25%			2062	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 39 PENNSYLVANIA STATION
Asset # : 13997

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Heat Pump Air Sourced	100%			2037	**	2	\$600
Distribution								
	Ductwork/Diffusers	60%			LIFE	**	2	\$7,800
	No Component	40%						
Terminal Devices								
	Air Handler/Dir Expansion	75%			2040	**	1	
	No Component	25%						
Heat Rejection								
	Dry Cooler	75%			2042	**	2	\$5,200
	No Component	25%						
Ventilation								
Distribution								
	Ductwork/Diffusers	80%			LIFE	**	2-5	\$4,500
	No Component	20%						
Exhaust Fans								
	Roof	20%			2042	**	2	\$100
	No Component	80%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2052	**	1	
	<i>Other Observation, Extent : N/A, Area Affected : 30%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : No Access To Basement Newly Renovated</i>							
Water Heater With Tanks								
	Gas Fired	50%			2030	\$8,300	2	
	Solar	50%			2032	\$155,500	1	
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Not Accessible	100%						
Sewage Ejector(s)								
	Not Accessible	100%						
Backflow Preventer								
	Not Accessible	100%						
Fixtures								
	Generic	100%						
	<i>Other Observation, Extent : N/A, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Newly Renovated</i>							

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 4 LOWER EAST SIDE OP
Address : PIER 36 EAST RIVER
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.004 / 13982 **Yr Built/Renovated** : 1984 / 1999
Area Sq Ft : 20,040 **Project Type** : FIRE DEPARTMENT
Date of Survey : 11-May-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2,3
Block : 241 **Lot** : 13 **BIN** : 1811158

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$471,900	\$106,100
Interior Architecture	\$87,100	
Electrical		\$153,000
Mechanical		\$115,300
Total	\$559,000	\$374,400
Importance Code A	\$471,900	\$157,000
Importance Code B	\$87,100	\$217,400
Total	\$559,000	\$374,400

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$69,600	\$900		
Interior Architecture	\$71,800	\$2,000		
Electrical	\$1,900	\$4,900	\$2,100	\$17,300
Mechanical	\$60,000	\$3,700	\$6,800	\$59,700
Site Enclosure	\$22,300			
Site Pavements	\$45,300			
Total	\$270,700	\$11,500	\$8,800	\$77,100
Importance Code A	\$70,600	\$1,800	\$1,100	\$900
Importance Code B	\$83,700	\$9,700	\$7,700	\$76,100
Importance Code C	\$116,400			
Total	\$270,700	\$11,500	\$8,800	\$77,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
EMS STATION 4 LOWER EAST SIDE OP
Asset # : 13982

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	5%	Now	\$700	LIFE	**	5	\$2,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : West Side At Roof Level</i>								
Masonry: Brick Cavity	73%	0-2	\$35,200	LIFE	**	5	\$8,300	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : North Facade</i>								
Metal Panel	2%	Now	\$300	2052	**	5	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : North Side</i>								
<i>Explanation : Damaged Metal Panels</i>								
Metal Coiling Doors	5%			2045	**	5	\$1,800	
Pre-Cast Concrete	15%			LIFE	**	5	\$5,500	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Window Shelf Angles 1st Floor Facade</i>								
Windows								
Aluminum	100%	2-4	\$111,300	2057	**	5	\$1,200	
<i>Air Infiltration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Glazing Clouded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast in Place Concrete	98%	Now	\$360,500	LIFE	**	5	\$106,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Parapet Walls</i>								
<i>Explanation : Covered With Netting</i>								
Metal Panel	2%	4+	\$1,700	2052	**	5	\$400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Roof								
Built-Up (BUR)	95%	2-4	\$31,700	2037	**			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 95%</i>								
<i>Location : Throughout</i>								
Roll Roofing	5%			2028		5	\$2,400	
Interior								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 4 LOWER EAST SIDE OP
Asset # : 13982

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	45%	0-2	\$22,300	LIFE	**	5	\$29,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Mezzanine Level</i>								
Ceramic Tile	2%	0-2	\$700	2041	**	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	53%			2037	**	3	\$5,900	
Interior Walls								
Ceramic Tile	2%	0-2	\$700	2041	**	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Concrete Masonry Unit	86%	Now	\$48,200	LIFE	**	5	\$10,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : First Floor Truck Port</i>								
Gypsum Board	5%			LIFE	**	5	\$900	
Masonry: Brick	2%			LIFE	**			
Plaster	5%			LIFE	**	5	\$500	
Ceilings								
AcousTileSusp.Lay-In	60%	Now	\$87,100	2037	**	5	\$8,900	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Third Floor Office</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Third Floor Office</i>								
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Third Floor Work Area</i>								
<i>Explanation : Damaged Ceiling Tiles</i>								
Exposed Struc: Concrete	35%			LIFE	**	5	\$1,600	
Exposed Struc: Steel	5%			LIFE	**			
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$22,300	2042	**			
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Northeast Corner</i>								
<i>Explanation : Structural Member Is Leaning At An Extreme Angle</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2045	**			
On-Site Walkways								
Cast in Place Concrete	100%			2037	**			

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
EMS STATION 4 LOWER EAST SIDE OP
Asset # : 13982

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Pavements								
Parking/Driveway								
Asphalt	90%	0-2	\$42,700	2035	**			
	<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : Throughout</i>							
Cast in Place Concrete	10%	2-4	\$2,600	2045	**			
	<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : Rear Of Building Driveway</i>							
<hr/>								
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2042	**	5	\$100	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Electrical Room</i>							
	<i>Explanation : One 3,000 Ampere Main Disconnect Switch</i>							
Transformers								
Dry Type	100%			2037	**	5	\$100	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Electrical Room Basement</i>							
	<i>Explanation : One 1,000 Kilovolt Ampere, 480/277 Primary Voltage - 208/120 Low Voltage</i>							
Switchgear / Switchboard								
Fused Disc Sw	100%			2042	**	5	\$100	
Raceway								
Conduit	80%			2042	**	1		
Conduit	20%			2032	\$7,200	1		
Panelboards								
Fused Disc Sw	5%			2031	\$2,400	5		
Molded Case Bkrs	75%			2040	**	5	\$400	
Molded Case Bkrs	20%			2031	\$9,700	5	\$100	
Wiring								
Thermoplastic	20%			2032	\$6,500	1		
Thermoplastic	80%			2042	**	1		
Motor Controllers								
Locally Mounted	100%			2030	\$17,800	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$300	
Stand-by Power								
Transfer Switches								
Automatic	100%			2037	**	1	\$6,200	

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FIRE DEPARTMENT - 057
EMS STATION 4 LOWER EAST SIDE OP
Asset # : 13982

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Stand-by Power	Generators							
	Diesel	100%			2035	**	1	\$7,800
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
			<i>Explanation : One 80 Kilovolt Ampere</i>					
	Batteries							
	Lead/Acid	100%			2025	\$2,400	5	\$700
	Fuel Storage							
	Day Tank	100%			2040	**	5	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Belly Tank. Outside</i>					
			<i>Explanation : One 60 Gallons</i>					
Lighting	Interior Lighting							
	Fluorescent	90%			2032	\$153,000	10	\$16,500
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
	HID	10%			2027	\$11,600	10	\$100
	Egress Lighting							
	Emergency, Service	40%			2032	\$4,800	1	
	Emergency, Battery	10%			2032	\$3,300	10	\$500
	Exit, Service	50%			2032	\$4,200	1	
	Exterior Lighting							
	HID	20%			2032	\$18,300	10	
	No Component	80%						
Alarm	Security System							
	No Component	80%						
	Generic	10%			2032	\$3,700	1	\$800
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
			<i>Explanation : CCTV Surveillance Cameras</i>					
	Generic	10%			2027	\$3,700	1	\$800
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Hallways And Exit Doors</i>					
			<i>Explanation : Intrusion Alarm And Motion Sensor</i>					
	Fire/Smoke Detection							
	No Component	70%						
	Generic, Digital	30%			2032	\$15,100	1-3	\$3,700
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
			<i>Explanation : Strobe Lights, Alarm Bell, Horns, Smoke Detector, Pull Box And Fire Alarm Panel</i>					

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FIRE DEPARTMENT - 057
EMS STATION 4 LOWER EAST SIDE OP
Asset # : 13982

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Electricity	10%			2052	**	1		
Natural Gas	90%			2052	**	1		
Conversion Equipment								
Hot Water Boiler	90%			2045	**	1	\$8,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : One Unit</i>								
Radiant Heater	10%			2032	\$50,900	2	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor Men And Womens Locker Rooms</i>								
<i>Explanation : Trane Electric Cabinet Unit Heater</i>								
Distribution								
Hot Wtr Piping/Pump	100%	0-2	\$900	2048	**	4	\$1,000	
<i>Insul. Deteriorating, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Terminal Devices								
Convactor/Radiator	80%			2045	**	1	\$5,200	
Unit Heater - Steam	20%			2032	\$22,200	4	\$500	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : 1st Floor Ceiling</i>								
<i>Explanation : Good Condition</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2048	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	30%			2032	\$64,400	2	\$400	
Window/Wall Unit	60%	Now	\$4,400	2027	\$44,500	1		
<i>Broken, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Office Area</i>								
No Component	10%							
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2	\$7,800	
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	60%			LIFE	**	2-5	\$6,700	
No Component	40%							
Exhaust Fans								
Roof	100%			2037	**	2	\$600	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2052	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
EMS STATION 4 LOWER EAST SIDE OP
Asset # : 13982

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Water Heater With Tanks Gas Fired	100%			2032	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : One 74 Gallon Unit</i>								
Sanitary Piping Cast Iron	100%	0-2	\$49,300	LIFE	**	1		
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Sewage Backup During Heavy Rain</i>								
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Fixtures Generic	100%							
Fire Suppression								
Standpipe Generic	100%			2052	**	1-5	\$10,100	
Sprinkler Generic	100%			2052	**	1-2	\$5,600	
Chemical System Dry	10%			2030	\$8,000	1-3	\$7,900	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Pcl-160</i>								
No Component Generic	80%			2027	\$8,000	1-3	\$8,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 43 GRAVESEND STATION
Address : CONEY ISLAND HOSPITAL 2601 OCEAN PARKWAY
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.043 / 14009 **Yr Built/Renovated** : 1954 / 2013
Area Sq Ft : 4,136 **Project Type** : FIRE DEPARTMENT
Date of Survey : 24-Jul-2019 **Landmark Status** : NONE
Areas Surveyed : Floors 1
Block : 7239 **Lot** : 1 **BIN** : 3337274

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$71,800	
Interior Architecture	\$107,600	
Total	\$179,300	
Importance Code A	\$71,800	
Importance Code C	\$107,600	
Total	\$179,300	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$73,700			
Interior Architecture	\$11,600	\$400		
Electrical	\$100	\$200	\$3,900	\$200
Mechanical	\$2,800	\$200	\$3,200	\$200
Site Pavements	\$9,500			
Total	\$97,700	\$700	\$7,100	\$400
Importance Code A	\$73,700			
Importance Code B	\$14,500	\$500	\$7,100	\$400
Importance Code C	\$9,500	\$300		
Total	\$97,700	\$700	\$7,100	\$400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 43 GRAVESEND STATION
Asset # : 14009

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$71,800	LIFE	**	5	\$17,800	
<i>Horizontal Cracks, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Main Entrance</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout Entire Facade</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 10%</i>								
<i>Location : At Entrance</i>								
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over Main Entrance</i>								
<i>Spalling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : East Facade</i>								
Metal Coiling Doors	20%	4+	\$23,300	2036	**	5	\$7,000	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 10%</i>								
<i>Location : East Facade</i>								
<i>Deformed/Dented, Extent : Light, Area Affected : 10%</i>								
<i>Location : East Facade</i>								
Windows								
Aluminum	100%	2-4	\$39,300	2056	**	5	\$400	
<i>Air Infiltration, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	100%	Now	\$11,200	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Roof								
Not Accessible	100%							
Interior								
Floors								
Cast in Place Concrete	90%	Now	\$9,100	LIFE	**	5	\$11,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2040	**	5	\$300	
Vinyl Tile	5%	Now	\$200	2036	**	3	\$100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Break Room</i>								

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FIRE DEPARTMENT - 057
EMS STATION 43 GRAVESEND STATION
Asset # : 14009

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%			2040	**	5	\$500	
Concrete Masonry Unit	15%			LIFE	**	5	\$600	
Fiberglass Panel	5%			LIFE	**			
Gypsum Board	20%			LIFE	**	5	\$1,300	
Masonry: Brick	55%	Now	\$107,600	LIFE	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	30%			2044	**	5	\$1,800	
AcousTileSusp.Lay-In	15%	Now	\$1,500	2044	**	5	\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Corridors, Lockers, Storage Rooms And Throughout</i>								
Exposed Struc: Concrete	50%			LIFE	**	5	\$500	
Plaster	5%			LIFE	**	5	\$200	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Tour Lieutenant Office</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2051	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	16%	Now	\$5,200	2036	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Side</i>								
<i>Sinking/Subsiding, Extent : Light, Area Affected : 10%</i>								
<i>Location : East Side</i>								
Cast in Place Concrete	84%			2036	**			
Parking/Driveway								
Asphalt	80%	4+	\$4,200	2040	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : East Side</i>								
Cast in Place Concrete	20%			2044	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2041	**	1		
Panelboards								
Fused Disc Sw	5%			2030	\$2,400	5		
Molded Case Bkrs	95%			2047	**	5	\$100	

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FIRE DEPARTMENT - 057
EMS STATION 43 GRAVESEND STATION
Asset # : 14009

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Wiring								
Thermoplastic	100%			2041	**	1		
Motor Controllers								
Locally Mounted	100%			2036	**	5		
Lighting								
Interior Lighting								
Fluorescent	100%			2036	**	10	\$3,800	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Egress Lighting								
Emergency, Battery	50%			2031	\$3,400	10	\$500	
Exit, Battery	50%			2031	\$2,900	10	\$100	
Exterior Lighting								
HID	50%			2031	\$9,400	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside Perimeter</i>								
<i>Explanation : Operated Via Photocell</i>								
No Component	50%							
Alarm								
Security System								
No Component	50%							
Under Construction	50%							
Fire/Smoke Detection								
No Component	50%							
Generic, Digital	50%			2031	\$5,200	1-3	\$1,300	
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Plant Campus Steam / PRV	100%			2041	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Power Plant</i>								
<i>Explanation : Steam Provided From Adjacent Power Plant Building</i>								
Distribution								
Steam Piping/Pump	100%			2051	**			
Terminal Devices								
Air Handler	60%			2036	**	1	\$1,500	
Unit Heater - Steam	40%			2036	**	4	\$200	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 43 GRAVESEND STATION
Asset # : 14009

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Int Pkg Unit - Heating/Cooling	40%			2032	\$26,300	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Above The Ceiling Of The Garage</i>								
<i>Explanation : Unit Is Located Above The Ceiling In The Garage</i>								
	Window/Wall Unit	10%			2026	\$1,500	1	
	No Component	50%						
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2	\$5,400
Ventilation								
Distribution								
	Ductwork/Diffusers	40%			LIFE	**	2-5	\$900
	No Component	60%						
Exhaust Fans								
	Interior	100%			2036	**	2	\$100
Plumbing								
H/C Water Piping								
	Galvanized Steel	100%			2036	**	1	
Sanitary Piping								
	Cast Iron	100%	Now	\$2,500	LIFE	**	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Under The Floor Of The Pantry</i>								
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Fixtures								
	Generic	100%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 44 BROWNSVILLE STATION
Address : 266 ROCKAWAY AVE. @ BERGEN ST.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.044 / 13998 **Yr Built/Renovated** :
Area Sq Ft : 8,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 12-Jun-2019 **Landmark Status** : NONE
Areas Surveyed : Floors 1
Block : 1448 **Lot** : 40 **BIN** : 3038942

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture		\$185,800
Electrical	\$59,700	\$53,300
Total	\$59,700	\$239,200
Importance Code B	\$59,700	\$167,600
Importance Code C		\$71,600
Total	\$59,700	\$239,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture		\$33,200	\$900	
Interior Architecture	\$47,900			\$500
Electrical	\$2,800	\$700	\$600	\$600
Mechanical	\$26,400	\$17,300	\$800	\$600
Site Enclosure				
Total	\$77,200	\$51,100	\$2,300	\$1,700
Importance Code A	\$23,600	\$33,600	\$1,200	\$300
Importance Code B	\$16,900	\$17,500	\$1,100	\$1,400
Importance Code C	\$36,700			
Total	\$77,200	\$51,100	\$2,300	\$1,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 44 BROWNSVILLE STATION
Asset # : 13998

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Metal Sect. OHD	10%			2043	**	5	\$4,800	
Stucco Cement	90%			2043	**	5	\$34,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%			2046	**	5	\$1,800	
Roof								
Metal Panel	100%			2035	**	10	\$33,200	
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$10,300	
Ceramic Tile	5%			2033		5	\$500	
Vinyl Tile	45%	Now	\$5,700	2030	\$114,300	3	\$1,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	10%			2033	\$71,600	5	\$1,300	
Concrete Masonry Unit	30%	Now	\$36,700	LIFE	**	5	\$1,600	
<i>Diagonal Cracks, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
<i>Explanation : Daylight Seen Through Crack In Wall</i>								
Gypsum Board	60%			LIFE	**	5	\$4,800	
Ceilings								
AcousTileSusp.Lay-In	50%	Now	\$1,500	2035	**	5	\$2,400	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second Floor</i>								
Gypsum Board	50%	Now	\$4,000	LIFE	**	5	\$5,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
Site Enclosure								
Fence/Gates								
Chain Link	90%			2040	**			
Wood	10%			2028			\$13,100	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2035	**			
On-Site Walkways								
Cast in Place Concrete	100%			2035	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 44 BROWNSVILLE STATION
Asset # : 13998

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2040	**	5	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : No Nameplate Ratings Available</i>						
Raceway								
Conduit	100%			2040	**	1		
Panelboards								
Molded Case Bkrs	100%			2038	**	5	\$200	
Wiring								
Thermoplastic	100%			2040	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2028	\$12,900	1	\$2,500	
Generators								
Diesel	100%	2-4	\$59,700	2045	**	1	\$2,800	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Mechanical Room</i>						
		<i>Explanation : Emergency Generator Rated At 6.3 Kilovolt-ampere. It Is An Obsolete Generator That Is Not Regularly Tested.</i>						
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$300	
Fuel Storage								
Main Tank	100%			2045	**	5		
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Mechanical Room</i>						
		<i>Explanation : 60 Gallon Capacity</i>						
Lighting								
Interior Lighting								
Fluorescent	90%			2030	\$48,000	10	\$5,200	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Fluorescent	10%			2030	\$5,300	10	\$600	
		<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Apparatus Floor</i>						
Egress Lighting								
Emergency, Service	50%			2030	\$1,900	1		
Exit, Service	50%			2030	\$1,300	1		
Exterior Lighting								
HID	100%			2030	\$36,500	10		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
EMS STATION 44 BROWNSVILLE STATION
Asset # : 13998

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2040	**	1		
Conversion Equipment								
Furnace	40%			2030	\$7,600	1	\$1,200	
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Truck Bay</i>								
<i>Explanation : 3 Gas Fired Unit Heaters</i>								
Hot Water Boiler	60%	0-2	\$23,500	2050	**	1	\$1,700	
<i>Corroded, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 1st Floor Mechanical Room</i>								
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Mechanical Room</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Mechanical Room</i>								
<i>Explanation : 2 Weil Mclain Hot Water Boilers</i>								
Distribution								
Hot Wtr Piping/Pump	60%	0-2	\$2,400	2029	\$8,100	4	\$200	
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor Mechanical Room</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Mechanical Room</i>								
<i>Explanation : 2 Hot Water Pumps</i>								
No Component	40%							
Terminal Devices								
Convactor/Radiator	60%			2028	\$30,100	1	\$1,200	
No Component	40%							
Air Conditioning								
Energy Source								
Electricity	100%			2038	**	1		
Conversion Equipment								
Split Unit	10%			2030	\$14,600			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : First Floor Offices And Lounge</i>								
<i>Explanation : Two 2-ton Units</i>								
Window/Wall Unit	60%			2025	\$14,000	1		
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	25%			LIFE	**	2-5	\$900	
No Component	75%							
Exhaust Fans								
Interior	25%			2030	\$6,800	2	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Men's And Women's Locker Rooms</i>								
<i>Explanation : Inline Fan Above Hung Ceiling</i>								
No Component	75%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 44 BROWNSVILLE STATION
Asset # : 13998

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	H/C Water Piping Brass/Copper	100%			2040	**	1	
	Water Heater With Tanks Gas Fired	100%			2028	\$16,700	2	
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : First Floor Mechanical Space</i>				
				<i>Explanation : 75 Gallon Capacity</i>				
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Backflow Preventer Generic	100%			2025	\$2,700	1	\$400
	Fixtures Generic	100%						
Fire Suppression								
	Sprinkler Generic	100%			2040	**	1-2	\$1,800

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 46 ELMHURST STATION
Address : ELMHURST HOSPITAL 79-01 BROADWAY
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSEMS.046 / 14002 **Yr Built/Renovated** :
Area Sq Ft : 11,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Floors 1,2
Block : 1500 **Lot** : 2 **BIN** : 4437132

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$50,200	
Electrical		\$74,600
Total	\$50,200	\$74,600
Importance Code A	\$50,200	
Importance Code B		\$74,600
Total	\$50,200	\$74,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture		\$1,100		
Interior Architecture	\$55,100	\$100	\$100	\$600
Electrical	\$300	\$300	\$500	\$2,300
Mechanical	\$500	\$29,000	\$800	\$700
Total	\$55,900	\$30,400	\$1,300	\$3,500
Importance Code A	\$200	\$1,200	\$200	\$200
Importance Code B	\$54,100	\$29,200	\$1,100	\$3,400
Importance Code C	\$1,600		\$100	
Total	\$55,900	\$30,400	\$1,300	\$3,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 46 ELMHURST STATION
Asset # : 14002

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Exterior

Exterior Walls

Masonry: Brick	90%	0-2	\$50,200	LIFE	**	5	\$6,200	
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*Efflorescence, Extent : Light, Area Affected : 20%**Location : Front Facade*

Metal Sect. OHD	10%			2045	**	5	\$2,200	
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Parapets

Not Accessible	75%							
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Not Accessible	25%							
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Roof

Not Accessible	100%							
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*Other Observation, Extent : N/A, Area Affected : 0%**Location : Roof**Explanation : There Is No Permanent Access To The Roof. A Ladder Was Not Available.*

Interior

Floors

Cast in Place Concrete	23%			LIFE	**	5	\$3,200	
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Ceramic Tile	2%			2035	**	5	\$100	
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Vinyl Tile	75%	Now	\$38,200	2042	**	3	\$1,800	
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*Worn/Eroded, Extent : Moderate, Area Affected : 40%**Location : Second Floor*

Interior Walls

Ceramic Tile	5%			2041	**	5	\$100	
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Concrete Masonry Unit	15%			LIFE	**	5	\$200	
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Gypsum Board	40%			LIFE	**	5	\$700	
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Masonry: Brick	5%			LIFE	**			
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Plaster	25%	0-2	\$1,600	LIFE	**	5	\$200	
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*Staining/Discoloring, Extent : Moderate, Area Affected : 30%**Location : Throughout*

SGFT/Glazed Masonry	10%			LIFE	**			
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Ceilings

AcousTileSusp.Lay-In	75%	0-2	\$15,300	2045	**	5	\$2,400	
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*Staining/Discoloring, Extent : Moderate, Area Affected : 30%**Location : Second Floor*

Exposed Struc: Steel	20%			LIFE	**			
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Gypsum Board	5%			LIFE	**	5	\$400	
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Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Not Accessible	100%							
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*Other Observation, Extent : Light, Area Affected : 0%**Location :**Explanation : Main Electrical Service Fed From The Other Building*

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 46 ELMHURST STATION
Asset # : 14002

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Raceway								
Conduit	100%			2032	\$36,000	1		
Panelboards								
Fused Disc Sw	5%			2031	\$2,400	5		
Molded Case Bkrs	95%			2031	\$46,000	5	\$300	
Wiring								
Thermoplastic	100%			2032	\$32,500	1		
Motor Controllers								
Locally Mounted	100%			2030	\$17,800	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	80%			2032	\$74,600	10	\$8,100	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Offices</i>								
LED	20%			2040	**			
Egress Lighting								
Emergency, Battery	50%			2032	\$9,000	10	\$1,300	
Exit, Service	50%			2032	\$2,300	1		
Exterior Lighting								
LED	20%			2040	**			
No Component	80%							
Alarm								
Security System								
No Component	80%							
Generic	10%			2032	\$2,000	1	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								
Generic	10%			2027	\$2,000	1	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Hallway And Exit Doors</i>								
<i>Explanation : Intrusion Alarm And Motion</i>								
Fire/Smoke Detection								
No Component	70%							
Generic, Digital	30%			2032	\$8,300	1-3	\$2,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Strobe Lights, Alarm Bell, Horns, Smoke Detectors, Pull Box And Fire Alarm Panel</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 46 ELMHURST STATION
Asset # : 14002

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	30%			2042	**	1		
No Component	70%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Hot Water Provided From Hospital</i>								
Conversion Equipment								
Furnace	30%			2032	\$10,000	1	\$1,600	
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : 2 Modine Heaters</i>								
No Component	70%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Heating Water Supplied From Hospital Building</i>								
Distribution								
Hot Wtr Piping/Pump	70%			2031	\$4,900	4	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : There Is No Temperature Control</i>								
No Component	30%							
Terminal Devices								
Convactor/Radiator	70%			2030	\$18,400	1	\$2,500	
No Component	30%							
Air Conditioning								
Energy Source								
Electricity	100%			2040	**	1		
Conversion Equipment								
Window/Wall Unit	70%			2025	\$28,500	1		
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,800	
No Component	70%							
Exhaust Fans								
No Component	70%							
Not Accessible	30%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2042	**	1		
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							

Fire Suppression

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 46 ELMHURST STATION
Asset # : 14002

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Fire Suppression									
Sprinkler									
	No Component	70%							
	Generic	30%			2032	\$44,600	1-2	\$900	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 50 - BLDG 2 TRAILER
Address : 82-68 164TH ST. QUEENS GENERAL HOSPITAL
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSEMS.05A / 14005 **Yr Built/Renovated** :
Area Sq Ft : 3,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Dec-2018 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 6858 **Lot** : 1 **BIN** : 4442431

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Site Pavements		\$165,400
Total		\$165,400
Importance Code C		\$165,400
Total		\$165,400

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture		\$2,800	\$200	
Interior Architecture			\$600	
Electrical			\$100	\$100
Mechanical	\$200		\$400	
Site Pavements	\$300	\$2,000	\$300	\$300
Total	\$500	\$4,900	\$1,600	\$400
Importance Code A	\$200	\$2,800	\$400	
Importance Code B			\$900	\$100
Importance Code C	\$300	\$2,000	\$300	\$300
Total	\$500	\$4,900	\$1,600	\$400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 50 - BLDG 2 TRAILER
Asset # : 14005

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	100%			2050	**	10	\$2,700	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : All Facades</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Entire Building</i>								
<i>Explanation : Reported 2016 New Construction</i>								
<hr/>								
Windows								
Aluminum	100%			2046	**	5	\$500	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<hr/>								
Roof								
Modified Bitumen	100%			2035	**	10	\$2,800	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<hr/>								
Interior								
Floors								
Vinyl Tile	100%			2035	**	3	\$1,700	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<hr/>								
Interior Walls								
Gypsum Board	100%			LIFE	**	5	\$400	
<i>Recent Construction, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<hr/>								
Ceilings								
Gypsum Board	100%			LIFE	**	5	\$5,600	
<i>Recent Construction, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<hr/>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2050	**			
<hr/>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2043	**			
<hr/>								
On-Site Walkways								
Wood	100%			2028	\$165,400	1-3	\$8,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front And Rear</i>								
<i>Explanation : Ramp</i>								
<hr/>								
Parking/Driveway								
Asphalt	75%			2039	**			
Cast in Place Concrete	25%			2043	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 50 - BLDG 2 TRAILER
Asset # : 14005

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2056	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 400 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2056	**	5	\$100	
Raceway								
Conduit	100%			2056	**	1		
Panelboards								
Molded Case Bkrs	100%			2052	**	5	\$100	
Wiring								
Thermoplastic	100%			2056	**	1		
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
LED	100%			2038	**			
Egress Lighting								
Emergency, Battery	50%			2038	**	10	\$400	
Exit, LED	50%			2065	**	1		
Exterior Lighting								
LED	30%			2038	**			
No Component	70%							
Alarm								
Security System								
No Component	70%							
Generic	30%			2038	**	1	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside Perimeter</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Electricity	100%			2056	**	1		
Conversion Equipment								
Heat Pump Air Sourced	100%			2034	**	2	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside End Of The Building</i>								
<i>Explanation : 5 Units</i>								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$1,700	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 50 - BLDG 2 TRAILER
Asset # : 14005

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning	Energy Source							
	Electricity	100%			2052	**	1	
Ventilation	Exhaust Fans							
	Roof	10%			2038	**	2	
	No Component	90%						
Plumbing	H/C Water Piping							
	Brass/Copper	100%			2056	**	1	
	Water Heater With Tanks							
	Electric	100%			2029	\$23,100	4	
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Backflow Preventer							
	Not Accessible	100%						
	Fixtures							
	Generic	100%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 50 - BLDG. 1
Address : 159-10 GOETHALS AVE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSEMS.050 / 14934 **Yr Built/Renovated** : 2016 /
Area Sq Ft : 13,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Oct-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 6858 **Lot** : 1 **BIN** : 4866423

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$77,400	\$5,800	\$1,900	
Interior Architecture	\$106,500		\$9,200	
Electrical	\$2,600	\$2,300	\$2,400	\$2,100
Mechanical	\$19,000	\$1,300	\$7,500	\$1,300
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$209,400	\$13,400	\$24,900	\$7,400
Importance Code A	\$78,000	\$6,400	\$2,500	\$600
Importance Code B	\$102,900	\$6,900	\$19,800	\$6,700
Importance Code C	\$28,500		\$2,700	
Total	\$209,400	\$13,400	\$24,900	\$7,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 50 - BLDG. 1
Asset # : 14934

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Concrete Masonry Unit	5%			LIFE	**	5	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Structural Glazed Face Tile</i>								
Metal Panel	5%			2059	**	5-10	\$11,800	
Metal Sect. OHD	10%			2050	**	5	\$10,700	
Pre-Cast Concrete	15%			LIFE	**	5	\$33,400	
Window Wall	65%			2059	**	5	\$83,500	
Windows								
Aluminum	75%			2055	**	5	\$900	
Metal Louvers	25%			2046	**	10	\$1,900	
Parapets								
Metal Panel	25%			2059	**	5	\$2,400	
No Component	75%							
Roof								
Single Ply Membrane	100%			2038	**	10	\$26,200	
Soffits								
Metal Panel	100%			2059	**	5-10	\$49,400	
Interior								
Floors								
Carpet	10%			2032	\$50,400	3	\$4,400	
Cast in Place Concrete	40%	4+	\$19,400	LIFE	**	5	\$25,500	
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement Storage Area During Heavy Rain</i>								
Ceramic Tile	30%			2046	**	5	\$8,800	
Vinyl Tile	20%			2041	**	3	\$2,200	
Interior Walls								
Cast in Place Concrete	10%			LIFE	**	10	\$13,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Precast Concrete</i>								
Ceramic Tile	10%			2046	**	5	\$5,400	
Glass: Special Gauge	10%			LIFE	**	1		
Gypsum Board	30%	4+	\$4,400	LIFE	**	5	\$9,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen, Lunch Room</i>								
SGFT/Glazed Masonry	40%			LIFE	**	10	\$10,700	
Ceilings								
Exposed Struc: Steel	50%			LIFE	**	10	\$28,000	
Gypsum Board	50%			LIFE	**	5-10	\$48,100	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2053	**			
Free Standing Walls								
Cast in Place Concrete	100%			2068	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 50 - BLDG. 1
Asset # : 14934

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2046	**			
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On-Site Walkways

Cast in Place Concrete	100%			2046	**			
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Parking/Driveway

Asphalt	80%			2042	**			
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Cast in Place Concrete	20%			2046	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2059	**	5	\$100	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room Basement

Explanation : One 400 Ampere Main Disconnect Switch

Switchgear / Switchboard

Fused Disc Sw	100%			2059	**	5	\$100	
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Raceway

Conduit	100%			2059	**	1		
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Panelboards

Fused Disc Sw	5%			2055	**	5		
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Molded Case Bkrs	95%			2055	**	5	\$300	
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Wiring

Thermoplastic	100%			2059	**	1		
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Motor Controllers

Locally Mounted	100%			2050	**	5	\$100	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$400	
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Stand-by Power

Transfer Switches

Automatic	100%			2050	**	1	\$4,000	
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Generators

Diesel	100%			2046	**	1	\$5,000	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Outside The Building

Explanation : One 117.3 Kilowatts

Batteries

Lead/Acid	100%			2028	\$2,400	5	\$500	
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 50 - BLDG. 1
Asset # : 14934

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Fuel Storage								
Day Tank	30%			2055	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Generator Room Outside</i>						
		<i>Explanation : One 79 Gallons</i>						
Main Tank	70%			2068	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Underground</i>						
		<i>Explanation : One 2,500 Gallons</i>						
Lighting								
Interior Lighting								
Fluorescent	100%			2041	**	10	\$11,900	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Egress Lighting								
Emergency, Service	55%			2041	**	1		
Emergency, Battery	5%			2041	**	10	\$200	
Exit, LED	40%			2068	**	1		
Exterior Lighting								
LED	20%			2041	**			
No Component	80%							
Alarm								
Security System								
Generic	100%			2041	**	1	\$4,900	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Inside And Outside</i>						
		<i>Explanation : CCTV Surveillance Camera</i>						
Fire/Smoke Detection								
Generic, Digital	100%			2041	**	1-3	\$8,000	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : Strobe Lights, Alarm Bells, Horns, Smoke Detector, Pull Boxes And Fire Alarm Panel</i>						

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Furnace	100%			2038	**	1	\$6,400	
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$11,500	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 50 - BLDG. 1
Asset # : 14934

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Fan Coil Unit/Heat	20%			2038	**	1	\$800	
		<i>Other Observation, Extent : Light, Area Affected : 20%</i>						
		<i>Location : First Floor Ceiling</i>						
		<i>Explanation : 4 Units</i>						
No Component	80%							
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	100%			2038	**	2	\$800	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 6 Units</i>						
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$21,100	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$11,500	
Exhaust Fans								
Interior	20%	0-2	\$600	2038	**	2	\$100	
		<i>Malfunctioning, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : 1st Floor Apparatus Room. Defective Ventilation Unit</i>						
Roof	80%			2038	**	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2053	**	1		
Water Heater With Tanks								
Gas Fired	100%			2031	\$33,400	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : First Floor</i>						
		<i>Explanation : 2 Units</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	0-2	\$4,500	LIFE	**	1		
		<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>						
		<i>Location : Clogged Drain At 1st Floor And 2nd Floor</i>						
Backflow Preventer								
Generic	100%			2038	**	1	\$800	
Fixtures								
Generic	100%							
Vertical Transport								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 50 - BLDG. 1
Asset # : 14934

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Vertical Transport	Elevators							
	Hydraulic	100%			LIFE		**	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement To 2nd Floor</i>								
<i>Explanation : 1 Unit</i>								
Fire Suppression	Sprinkler							
	Generic	100%			2053		**	1-2 \$3,600

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 52 FLUSHING STATION
Address : 135-16 38TH AVE. BTWN MAIN ST. - PRINCE ST.
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSEMS.052 / 14006 **Yr Built/Renovated** : 1923 / 1998
Area Sq Ft : 6,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 12-Sep-2018 **Landmark Status** : NONE
Areas Surveyed : Basement, Floors 1,2
Block : 4975 **Lot** : 31 **BIN** : 4112309

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$226,600	\$91,100
Interior Architecture		\$169,600
Total	\$226,600	\$260,700
Importance Code A	\$226,600	\$91,100
Importance Code B		\$169,600
Total	\$226,600	\$260,700

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$5,600	\$2,000	\$900	
Interior Architecture	\$46,800			\$800
Electrical	\$100	\$6,400	\$100	\$100
Mechanical	\$1,000	\$26,300	\$800	\$800
Site Enclosure				
Site Pavements	\$10,400			
Total	\$64,000	\$34,700	\$1,800	\$1,600
Importance Code A	\$6,200	\$2,600	\$1,500	\$600
Importance Code B	\$17,800	\$32,100	\$300	\$1,000
Importance Code C	\$39,900			
Total	\$64,000	\$34,700	\$1,800	\$1,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 52 FLUSHING STATION
Asset # : 14006

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%	4+	\$171,900	LIFE	**	5	\$21,400	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : All Facades</i>								
Masonry: Granite	5%			LIFE	**	5	\$900	
Masonry: Limestone	5%			LIFE	**	5	\$900	
Metal Sect. OHD	5%			2035	**	5	\$3,900	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Main Apparatus Door</i>								
<i>Explanation : Wood Sectional Door</i>								
Windows								
Aluminum	100%			2046	**	5	\$1,900	
Parapets								
Masonry: Brick	95%			LIFE	**	5	\$1,800	
Masonry: Limestone	5%	Now	\$5,600	LIFE	**	5	\$100	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Various Locations Along Parapet</i>								
Roof								
Modified Bitumen	100%	Now	\$54,600	2030			\$91,100	1
<i>Ponding, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Main Roof, Front And Back</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Main Roof To 2nd Floor Locker Room</i>								
Interior								
Floors								
Cast in Place Concrete	20%			LIFE	**	5	\$3,900	
Mosaic Tile	5%			2043	**	5	\$1,100	
Terrazzo	5%			LIFE	**	5	\$400	
Vinyl Tile	70%	2-4	\$3,400	2030			\$169,600	3
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Second Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 52 FLUSHING STATION
Asset # : 14006

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	9%	Now	\$16,500	LIFE		**		
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
Ceramic Tile	2%	0-2	\$700	2039		**	5	\$100
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Toilets</i>								
Masonry: Brick	12%			LIFE		**		
Plaster	63%	Now	\$9,200	LIFE		**	5	\$2,300
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Stairs And Corridors</i>								
SGFT/Glazed Masonry	14%	Now	\$3,000	LIFE		**		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
Ceilings								
AcousTileSusp.Lay-In	10%			2043		**	5	\$900
Exposed Struc: Concrete	15%	Now	\$3,900	LIFE		**	5	\$200
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	75%	Now	\$10,000	LIFE		**	5	\$4,200
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second Floor, Locker Room And Hallway</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2030	\$42,700			
Retaining Walls								
Cast in Place Concrete	100%			2050		**		
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2043		**		
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$10,400	2035		**		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Back And Side Of The Building</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2043		**		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 52 FLUSHING STATION
Asset # : 14006

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2030	\$14,700	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Switch Rated At 200 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2040	**	5	\$200	
Raceway								
Conduit	100%			2040	**	1		
Panelboards								
Molded Case Bkrs	100%			2038	**	5	\$200	
Wiring								
Thermoplastic	100%			2040	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	100%			2035	**	10	\$5,500	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Egress Lighting								
Emergency, Battery	50%			2035	**	10	\$700	
Exit, Service	50%			2035	**	1		
Exterior Lighting								
HID	20%			2035	**	10		
No Component	80%							
Alarm								
Security System								
No Component	70%							
Generic	30%			2038	**	1	\$700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage And Front Of The Building</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2050	**	1		
Conversion Equipment								
Steam Boiler	100%			2043	**	1	\$5,900	
Distribution								
Steam Piping/Pump	100%			2040	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 52 FLUSHING STATION
Asset # : 14006

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Terminal Devices								
	Convactor/Radiator	100%			2043	* *	1	\$1,900	
Air Conditioning									
	Energy Source								
	Electricity	100%			2038	* *	1		
	Conversion Equipment								
	Window/Wall Unit	40%			2025	\$8,900	1		
	No Component	60%							
Ventilation									
	Exhaust Fans								
	Interior	10%			2030	\$2,600	2		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
			<i>Location : 2nd Floor Bathrooms</i>						
			<i>Explanation : Toilet Exhaust</i>						
	No Component	90%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2040	* *	1		
			<i>No Water Meter, Extent : Light, Area Affected : 100%</i>						
			<i>Location : Basement</i>						
	Water Heater With Tanks								
	Gas Fired	100%			2025	\$16,700	2		
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
			<i>Location : Basement</i>						
			<i>Explanation : Two 74 Gallon Units</i>						
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%			2024	\$200	4	\$200	
	Fixtures								
	Generic	100%							

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 54 SPRINGFIELD GARDENS STATION
Address : 222-15 MERRICK BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSEMS.054 / 4524 **Yr Built/Renovated** : 2005 /
Area Sq Ft : 6,084 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-Dec-2018 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 12961 **Lot** : 10 **BIN** : 4279279

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$57,000	
Total	\$57,000	
Importance Code A	\$57,000	
Total	\$57,000	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$6,800	\$800		\$2,900
Interior Architecture	\$1,000		\$300	
Electrical	\$3,300	\$6,400	\$1,000	\$800
Mechanical	\$400	\$17,000	\$500	\$300
Total	\$11,600	\$24,300	\$1,900	\$4,100
Importance Code A	\$7,100	\$1,100	\$300	\$3,200
Importance Code B	\$4,500	\$23,100	\$1,600	\$900
Importance Code C				
Total	\$11,600	\$24,300	\$1,900	\$4,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 54 SPRINGFIELD GARDENS STATION
Asset # : 4524

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Concrete Masonry Unit	30%			LIFE	**	5	\$2,900	
Masonry: Brick Cavity	60%			LIFE	**	5	\$9,400	
Metal Sect. OHD	10%			2047	**	5	\$4,900	
Windows								
Aluminum	100%			2052	**	5	\$1,000	
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$2,200	
Metal Cornice	10%			2065	**	10	\$800	
Roof								
Modified Bitumen	100%	4+	\$57,000	2035	**			
<i>Drains Inad/Misposn, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over Locker Room</i>								
<i>Not Insulated, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Over Locker Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Captain Office And Corridors</i>								
Soffits								
Exposed Struc: Steel	40%	4+	\$5,600	LIFE	**	5	\$1,400	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Front Of Building Awning</i>								
Fiberglass Panel	60%			2039	**	5	\$2,500	
Interior								
Floors								
Cast in Place Concrete	65%			LIFE	**	5	\$12,900	
Ceramic Tile	5%			2043	**	5	\$500	
Vinyl Tile	30%			2038	**	3	\$1,000	
Interior Walls								
Ceramic Tile	5%			2043	**	5	\$500	
Concrete Masonry Unit	60%			LIFE	**	5	\$2,600	
Gypsum Board	30%			LIFE	**	5	\$2,000	
Metal Panel	5%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	35%	4+	\$1,000	2047	**	5	\$1,600	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Female Locker Room, Corridor And Captain Office</i>								
Exposed Struc: Steel	60%			LIFE	**			
Gypsum Board	5%			LIFE	**	5	\$600	
Site Enclosure								
Fence/Gates								
Iron Picket	100%			2074	**			
Free Standing Walls								
Cast in Place Concrete	70%			2065	**			
Concrete Masonry Unit	30%			2050	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2043	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 54 SPRINGFIELD GARDENS STATION
Asset # : 4524

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

On-Site Walkways

Cast in Place Concrete

100%

2047

* *

Parking/Driveway

Asphalt

100%

2039

* *

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw

100%

2050

* *

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : 1st Floor**Explanation : Main Service Disconnect Switch Rated At 400 Amperes.*

Switchgear / Switchboard

Fused Disc Sw

100%

2050

* *

5

Raceway

Conduit

100%

2050

* *

1

Panelboards

Fused Disc Sw

10%

2046

* *

5

Molded Case Bkrs

90%

2046

* *

5

\$100

Wiring

Thermoplastic

100%

2050

* *

1

Motor Controllers

Locally Mounted

100%

2043

* *

5

Ground

Grounding Devices

Generic

100%

LIFE

* *

5

\$100

Stand-by Power

Transfer Switches

Automatic

100%

2043

* *

1

\$1,900

Generators

Diesel

100%

2039

* *

1

\$2,400

*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside**Explanation : Emergency Generator Rated At 100 Kilowatts*

Batteries

Lead/Acid

100%

2024

\$2,400

5

\$200

Fuel Storage

Main Tank

100%

2058

* *

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside**Explanation : 150 Gallons Rated Capacity*

Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 54 SPRINGFIELD GARDENS STATION
Asset # : 4524

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	100%			2035	**	10	\$5,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<hr/>								
Egress Lighting								
Emergency, Service	50%			2035	**	1		
Exit, LED	50%			2058	**	1		
<hr/>								
Exterior Lighting								
HID	30%			2035	**	10		
No Component	70%							
<hr/>								
Alarm								
Security System								
No Component	70%							
Generic	30%			2035	**	1	\$700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside Perimeter</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								
<hr/>								
Fire/Smoke Detection								
Generic, Digital	100%			2035	**	1-3	\$3,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Strobe Lights, Manual Pull Stations, Alarm Bells, Smoke Detectors</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2050	**	1		
<hr/>								
Conversion Equipment								
Furnace	100%			2035	**	1	\$3,000	
<i>Other Observation, Extent : Light, Area Affected : 95%</i>								
<i>Location : Modine Heaters In Garage, Package Unit On Roof</i>								
<i>Explanation : 4 Modine Heaters, 1 Rooftop Package Unit</i>								
<hr/>								
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		
<hr/>								
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	30%			2030	\$30,000	2	\$100	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof Mounted</i>								
<i>Explanation : 1 Rooftop Package Unit For Office Only</i>								
<hr/>								
No Component	70%							

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 54 SPRINGFIELD GARDENS STATION
Asset # : 4524

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,000	
No Component	70%							
Exhaust Fans								
Roof	50%			2030	\$5,800	2	\$100	
Wall Unit	50%			2030	\$1,300	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2050	**	1		
Water Heater With Tanks								
Gas Fired	100%			2025	\$16,700	2		
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : 1st Floor Mechanical Room</i>					
			<i>Explanation : One (A O Smith) Gas Fired Water Heater</i>					
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Backflow Preventer								
Generic	100%			2035	**	1	\$400	
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name	: EMS STATION 55		
Address	: 3134 PARK AVENUE		
Borough	: BRONX	Agency's Number	: N/A
Program / Asset #	: FIRSFMO.001 / 13231	Yr Built/Renovated	: 1900 /
Area Sq Ft	: 12,199	Project Type	: FIRE DEPARTMENT
Date of Survey	: 25-Jan-2019	Landmark Status	: NONE
Areas Surveyed	: Basement, Roof, Floors 1,2		
Block	: 2419	Lot	: 1
		BIN	: 2001898

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$228,000	
Interior Architecture		\$49,200
Electrical	\$155,100	\$178,600
Mechanical		\$168,500
Site Enclosure	\$71,600	
Site Pavements	\$119,100	
Total	\$573,800	\$396,200
Importance Code A	\$228,000	
Importance Code B	\$155,100	\$367,200
Importance Code C	\$190,800	\$29,100
Total	\$573,800	\$396,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$34,000	\$3,500	\$900	
Interior Architecture	\$96,900		\$600	\$1,300
Electrical	\$3,800	\$1,000	\$1,000	\$1,000
Mechanical	\$4,400	\$24,700	\$2,200	\$3,200
Total	\$139,100	\$29,300	\$4,600	\$5,400
Importance Code A	\$35,200	\$4,800	\$2,100	\$1,200
Importance Code B	\$53,500	\$24,500	\$2,500	\$4,200
Importance Code C	\$50,400			
Total	\$139,100	\$29,300	\$4,600	\$5,400



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057

EMS STATION 55

Asset # : 13231

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	2%	Now	\$2,200	2040	**			
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	25%	Now	\$82,700	LIFE	**	5	\$7,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout.</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : North Facade</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Front Facade</i>								
<i>Explanation : Debris Netting Secured To Front Facade</i>								
Masonry: Brick	50%	Now	\$22,800	LIFE	**	5	\$14,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Ground Face Brick-surrounding Masonry Openings Throughout Building.</i>								
Masonry: Limestone	5%	Now	\$8,200	LIFE	**	5	\$1,100	
<i>Staining/Discoloring, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 25%</i>								
<i>Location : Front Facade</i>								
Stucco Cement	13%	Now	\$122,400	2050	**	5	\$4,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Various Locations Throughout, Near Top Of Building</i>								
Wood Overhead Doors	5%			2035	**	5	\$7,100	
Windows								
Aluminum	100%			2046	**	5	\$1,700	
<i>Unit Inoperable, Extent : Light, Area Affected : 2%</i>								
<i>Location : Rear Office Window</i>								
Parapets								
Masonry: Brick	90%	Now	\$6,800	LIFE	**	5	\$2,700	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 50%</i>								
<i>Location : Parapet Wall Adjacent To Roof Hatch</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout</i>								
Masonry: Limestone	10%	0-2	\$700	LIFE	**	5	\$400	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Caulking Deteriorated, Extent : Light, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 55
Asset # : 13231

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Roof								
Modified Bitumen	90%	4+	\$12,100	2035	**			
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Upper Roof</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout</i>								
Roll Roofing	5%			2029	\$4,000	5	\$1,000	
Skylight, Metal/Glass	5%	0-2	\$3,500	2050	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Upper Roof</i>								
<i>Explanation : Failing Caulk Joints</i>								
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$15,200	LIFE	**	5	\$20,000	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout Basement.</i>								
<i>Uneven Surface, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement And Apparatus Floor</i>								
Ceramic Tile	2%			2033	\$20,100	5	\$400	
Ceramic Tile	3%			2043	**	5	\$500	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Toilet Room</i>								
Quarry Tile	5%			2043	**	5	\$1,400	
Vinyl Tile	15%	Now	\$22,200	2040	**	3	\$1,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Landing By Rear Stairs And Locker Room.</i>								
Vinyl Tile	25%			2038	**	3	\$1,700	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
EMS STATION 55
Asset # : 13231

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	2%			2033	\$29,100	5	\$500	
Ceramic Tile	3%			2043	**	5	\$800	
<i>Recent Construction, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Toilet Room</i>								
Gypsum Board	35%			LIFE	**	5	\$5,700	
Masonry: Brick	40%	Now	\$40,300	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement And Various Locations Throughout.</i>								
Masonry: Fieldstone	5%	Now	\$8,800	LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement.</i>								
<i>Explanation : Parged Over Granite Foundation Wall Showed Missing Mortar In Various Locations.</i>								
Plaster	10%	Now	\$1,300	LIFE	**	5	\$800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 75%</i>								
<i>Location : Various Locations Throughout 1st Floor.</i>								
Wood	5%			LIFE	**	5	\$5,400	
<i>Worn/Eroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Womens Locker Room</i>								
Ceilings								
AcousTileSusp.Lay-In	20%	2-4	\$1,200	2043	**	5	\$1,800	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Various Locations Throughout, Computer Lounge</i>								
AcousTileSusp.Lay-In	10%			2047	**	5	\$1,800	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Toilet Rooms</i>								
Embossed Metal	30%	Now	\$8,100	LIFE	**	5	\$2,500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Over Main Truck Bays</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Steel	30%			LIFE	**			
Gypsum Board	10%			LIFE	**	5	\$2,300	
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$71,600	2060	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Rear Parking Lot</i>								
Free Standing Walls								
Cast in Place Concrete	100%			2065	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2035	**			

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FIRE DEPARTMENT - 057
EMS STATION 55
Asset # : 13231

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Pavements								
Parking/Driveway								
Asphalt	80%	Now	\$119,100	2045		**		
			<i>Ponding, Extent : Severe, Area Affected : 15%</i>					
			<i>Location : Rear Parking Lot</i>					
			<i>Potholes, Extent : Severe, Area Affected : 5%</i>					
			<i>Location : Rear Parking Lot</i>					
			<i>Sinking/Subsiding, Extent : Severe, Area Affected : 10%</i>					
			<i>Location : Rear Parking Lot</i>					
Cast in Place Concrete	20%			2043		**		

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2030	\$14,700	5	\$100	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : One 200 Amperes</i>					
Raceway								
Conduit	100%			2030	\$36,000	1		
Panelboards								
Fused Disc Sw	5%			2029	\$2,400	5		
Molded Case Bkrs	95%			2029	\$46,000	5	\$300	
Wiring								
Thermoplastic	100%			2030	\$32,500	1		
Motor Controllers								
Locally Mounted	100%			2028	\$17,800	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE		**	5	\$200
Stand-by Power								
Transfer Switches								
Automatic	100%			2028	\$12,900	1	\$3,800	
Generators								
Diesel	100%			2026	\$99,500	1	\$4,700	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
			<i>Explanation : One 81 Kilovolt-ampere</i>					
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$500	
Fuel Storage								
Main Tank	100%			2033	\$75,100	5		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside</i>					
			<i>Explanation : One 60 Gallons</i>					

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FIRE DEPARTMENT - 057
EMS STATION 55
Asset # : 13231

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Interior Lighting Fluorescent	100%			2030	\$103,500	10	\$11,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Egress Lighting

Emergency, Service	50%			2030	\$3,700	1		
Exit, Service	50%			2030	\$2,600	1		

Exterior Lighting

HID	100%			2025	\$55,600	10		
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Alarm**Security System**

No Component	70%							
Generic	30%			2030	\$6,700	1	\$1,400	

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source Natural Gas	100%			2040	**	1		
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Conversion Equipment

Steam Boiler	100%			2035	**	1	\$12,100	
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Distribution

Steam Piping/Pump	100%	0-2	\$1,900	2030	\$95,400			
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								

Terminal Devices

Convactor/Radiator	75%			2028	\$73,100	1	\$3,000	
Unit Heater - Steam	25%			2030	\$16,900	4	\$300	

Air Conditioning

Energy Source Electricity	100%			2038	**	1		
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Conversion Equipment

Split Unit	75%			2035	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>Explanation : 8 Units. R-410a Refrigerant</i>								

Window/Wall Unit	10%			2025	\$4,500	1		
No Component	15%							

Terminal Devices

Fan Coil - 2 Pipe	75%			2035	**	1	\$3,000	
No Component	25%							

Heat Rejection

Dry Cooler	75%			2035	**	2	\$6,400	
No Component	25%							

Ventilation

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FIRE DEPARTMENT - 057
EMS STATION 55
Asset # : 13231

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
Distribution								
	Ductwork/Diffusers	20%			LIFE	**	2-5	\$1,400
	No Component	80%						
Exhaust Fans								
	Interior	10%			2030	\$5,300	2	
	Roof	10%			2030	\$2,300	2	
	No Component	80%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2040	**	1	
Water Heater With Tanks								
	Gas Fired	100%			2025	\$16,700	2	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Boiler Room</i>				
				<i>Explanation : 75 Gallons</i>				
Sanitary Piping								
	Cast Iron	30%			LIFE	**	1	
	Cast Iron	70%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%	0-2	\$400	2025	\$400	4	\$300
				<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System								
	No Component	99%						
	Generic	1%	0-2	\$300	2030	\$800	1-3	\$700
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Kitchen</i>				
				<i>Explanation : Obsolete Unit</i>				

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 55 MELROSE STATION
Address : 3134 PARK AVE. @E 159TH STREET
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSEMS.055 / 13992 **Yr Built/Renovated** : 1905 / 1998
Area Sq Ft : 20,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-Oct-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2419 **Lot** : 1 **BIN** : 2001898

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$928,700	\$177,500
Interior Architecture	\$231,600	\$544,300
Electrical	\$50,900	
Mechanical		\$79,600
Site Pavements	\$54,300	
Total	\$1,265,400	\$801,400
Importance Code A	\$928,700	\$177,500
Importance Code B	\$259,300	\$623,800
Importance Code C	\$77,500	
Total	\$1,265,400	\$801,400

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture		\$8,200		\$2,000
Interior Architecture	\$16,700		\$800	\$3,700
Electrical	\$1,400	\$1,500	\$4,200	\$16,100
Mechanical	\$42,400	\$10,100	\$8,300	\$23,000
Site Pavements	\$16,800			
Total	\$77,300	\$19,800	\$13,300	\$44,700
Importance Code A	\$2,000	\$10,200	\$2,000	\$4,000
Importance Code B	\$52,900	\$9,500	\$11,300	\$40,700
Importance Code C	\$22,400			
Total	\$77,300	\$19,800	\$13,300	\$44,700



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FIRE DEPARTMENT - 057
EMS STATION 55 MELROSE STATION
Asset # : 13992

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$20,700	
Masonry: Brick	80%	Now	\$493,400	LIFE	**	5	\$42,300	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Facades</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Facade</i>								
<i>Other Observation, Extent : N/A, Area Affected : 25%</i>								
<i>Location : Front Facade And Rear Facade</i>								
<i>Explanation : Netting On Front Facade To Prevent Falling Cement Stucco And Masonry</i>								
Metal Panel	2%			2042	**	5-10	\$7,300	
Metal Sect. OHD	5%			2045	**	5	\$8,300	
Stucco Cement	8%	Now	\$140,400	2052	**	5	\$5,300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Rear And Front Facade At Parapet Level</i>								
Windows								
Aluminum	100%			2040	**	5	\$8,200	
Parapets								
Masonry: Brick	90%	Now	\$174,200	LIFE	**	5	\$2,800	
<i>Spalling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Parapet Walls</i>								
<i>Explanation : Covered With Cement Stucco</i>								
Pre-Cast Concrete	10%			LIFE	**	5	\$2,000	
Roof								
Roll Roofing	98%	Now	\$120,600	2034	**	5	\$26,400	
<i>Blisters, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Roof</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Around Roof Hatch</i>								
Skylight, Metal/Glass	2%			2032		10	\$2,200	
Interior								
Floors								
Cast in Place Concrete	25%			LIFE	**	5	\$17,000	
Ceramic Tile	5%			2041	**	5	\$1,600	
Quarry Tile	5%			2037	**	5	\$2,300	
Vinyl Tile	65%	Now	\$10,900	2032		3	\$7,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Offices And Corridors</i>								

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FIRE DEPARTMENT - 057
EMS STATION 55 MELROSE STATION
Asset # : 13992

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%	Now	\$3,000	2041	**	5	\$1,400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Second Floor Toilets</i>								
Concrete Masonry Unit	2%			LIFE	**	5	\$400	
Gypsum Board	64%			LIFE	**	5	\$21,300	
Masonry: Brick	15%	Now	\$77,500	LIFE	**			
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Boiler Room</i>								
Masonry: Fieldstone	2%			LIFE	**			
Plaster	10%	Now	\$2,600	LIFE	**	5	\$1,700	
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Second Floor Under Roof Hatch</i>								
Wood	2%			LIFE	**	5	\$4,400	
Ceilings								
AcousTileSusp.Lay-In	2%	Now	\$200	2037	**	5	\$300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : First Floor</i>								
Embossed Metal	91%	Now	\$154,100	LIFE	**	5	\$13,500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : First And Second Floor</i>								
<i>Deformed/Dented, Extent : Severe, Area Affected : 30%</i>								
<i>Location : First And Second Floor</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : First Floor</i>								
Exposed Struc: Steel	2%			LIFE	**			
Plaster	5%			LIFE	**	5	\$1,000	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2052	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$54,300	2052	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 80%</i>								
<i>Location : 159th Street And Park Avenue</i>								
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$2,900	2045	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Concrete Pavement Area Between The Building And Parking Lot</i>								
Parking/Driveway								
Asphalt	80%	Now	\$13,900	2035	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Parking Lot</i>								
Cast in Place Concrete	20%			2045	**			

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FIRE DEPARTMENT - 057
EMS STATION 55 MELROSE STATION
Asset # : 13992

Electrical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2032	\$14,700	5	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Electrical Room Basement</i>						
		<i>Explanation : One 200 Ampere Main Disconnect Switch</i>						
Raceway								
Conduit	95%			2032	\$34,200	1		
Conduit	5%			2052	**	1		
Panelboards								
Fused Disc Sw	5%			2031	\$2,400	5		
Molded Case Bkrs	20%			2031	\$9,700	5	\$100	
Molded Case Bkrs	75%			2048	**	5	\$400	
Wiring								
Thermoplastic	25%			2032	\$8,100	1		
Thermoplastic	75%			2052	**	1		
Motor Controllers								
Locally Mounted	100%			2030	\$17,800	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$300	
Stand-by Power								
Transfer Switches								
Automatic	100%			2045	**	1	\$6,200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two Automatic Transfer Switches</i>						
Generators								
Diesel	100%			2041	**	1	\$7,800	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside The Building</i>						
		<i>Explanation : One 60 Kilowatts</i>						
Batteries								
Lead/Acid	100%			2026	\$2,400	5	\$700	
Fuel Storage								
Day Tank	100%			2048	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Generator Room Outside</i>						
		<i>Explanation : One 60 Gallons</i>						
Lighting								

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FIRE DEPARTMENT - 057
EMS STATION 55 MELROSE STATION
Asset # : 13992

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	50%			2037	**	10	\$9,200	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
Fluorescent	30%			2027	\$50,900	10	\$5,500	
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fluorescent	20%			2040	**	10	\$3,700	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Egress Lighting								
Emergency, Service	50%			2037	**	1		
Exit, Service	50%			2037	**	1		
Exterior Lighting								
HID	20%			2032	\$18,200	10		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2052	**	1		
Conversion Equipment								
Steam Boiler	100%			2045	**	1	\$19,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Steam Piping/Pump	100%	Now	\$7,800	2052	**			
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Boiler Room</i>								
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Boiler Room</i>								
Terminal Devices								
Convactor/Radiator	80%			2037	**	1	\$5,200	
Unit Heater - Hot Water	20%			2037	**			
Air Conditioning								
Energy Source Electricity	100%			2040	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 55 MELROSE STATION
Asset # : 13992

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Split Unit	40%			2037	**			
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Various</i>								
<i>Explanation : 8 Units. R-410a</i>								
Window/Wall Unit	10%			2027	\$7,400	1		
No Component	50%							
Terminal Devices								
Fan Coil - 2 Pipe	40%			2037	**	1	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Offices</i>								
<i>Explanation : 7 Units</i>								
No Component	60%							
Heat Rejection								
Evaporative Condenser	40%			2037	**	2	\$5,600	
No Component	60%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$1,100	
No Component	90%							
Exhaust Fans								
Roof	10%			2037	**	2	\$100	
No Component	90%							
<i>Other Observation, Extent : N/A, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Poor Ventilation In Building</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2052	**	1		
Water Heater With Tanks								
Gas Fired	100%			2030	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallon Unit</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2025	\$600	4	\$600	
Fixtures								
Generic	100%							
Fire Suppression								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 55 MELROSE STATION
Asset # : 13992

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Chemical System							
	Dry	100%	Now	\$31,800	2032	\$79,600	1-3	\$67,200
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Ars-15b, Needs To Be Replaced</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 57 BEDFORD STUYVESANT STATION
Address : 131 THROOP AVE. @ FLUSHING AVE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.057 / 13999 **Yr Built/Renovated** : 1999 /
Area Sq Ft : 6,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 13-Feb-2019 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 1723 **Lot** : 1 **BIN** : 3048341

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Electrical		\$150,400
Total		\$150,400
Importance Code B		\$150,400
Total		\$150,400

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$23,900			
Interior Architecture	\$17,100		\$200	
Electrical	\$3,200	\$600	\$500	\$500
Mechanical	\$9,300	\$500	\$3,000	\$500
Site Enclosure	\$8,400			
Site Pavements	\$11,000			
Total	\$73,000	\$1,000	\$3,700	\$900
Importance Code A	\$27,800	\$300	\$300	\$300
Importance Code B	\$14,200	\$700	\$3,400	\$700
Importance Code C	\$30,900			
Total	\$73,000	\$1,000	\$3,700	\$900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 57 BEDFORD STUYVESANT STATION
Asset # : 13999

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Masonry: Brick	70%			LIFE	**	5	\$17,600		
Metal Sect. OHD	15%			2043	**	5	\$11,800		
Pre-Cast Concrete	15%			LIFE	**	5	\$12,300		
Windows									
Aluminum	100%	Now	\$1,700	2046	**	5	\$900		
<i>Glazing Broken/Cracked, Extent : Severe, Area Affected : 5%</i>									
<i>Location : West Office Window</i>									
Parapets									
Masonry: Brick	70%			LIFE	**	5	\$1,300		
Pre-Cast Concrete	30%			LIFE	**	5	\$3,500		
Roof									
Single Ply Membrane	100%	4+	\$3,400	2035	**				
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>									
<i>Location : Throughout</i>									
Soffits									
Metal/Glass Curt Wall	100%	2-4	\$18,800	LIFE	**	5	\$1,900		
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 35%</i>									
<i>Location : Throughout</i>									
Interior									
Floors									
Cast in Place Concrete	75%			LIFE	**	5	\$14,700		
Ceramic Tile	5%			2039	**	5	\$500		
Vinyl Tile	20%			2035	**	3	\$700		
Interior Walls									
Ceramic Tile	5%			2039	**	5	\$600		
Concrete Masonry Unit	70%	4+	\$15,900	LIFE	**	5	\$3,500		
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Truck Bay</i>									
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Truck Bay</i>									
Gypsum Board	25%			LIFE	**	5	\$1,900		
Ceilings									
AcousTileSusp.Lay-In	25%	Now	\$700	2043	**	5	\$1,100		
<i>Staining/Discoloring, Extent : Light, Area Affected : 3%</i>									
<i>Location : Throughout</i>									
Embossed Metal	75%			LIFE	**	5	\$3,000		
Site Enclosure									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 57 BEDFORD STUYVESANT STATION
Asset # : 13999

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Enclosure								
Fence/Gates								
Chain Link	60%			2050		**		
	<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : Throughout</i>							
Iron Picket	40%	Now	\$5,300	2065		**		
	<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : Throughout</i>							
	<i>Deteriorated Finish, Extent : Moderate, Area Affected : 35%</i>							
	<i>Location : Throughout</i>							
	<i>Other Observation, Extent : Severe, Area Affected : 20%</i>							
	<i>Location : East Fence</i>							
	<i>Explanation : Sliding Gate Is Inoperable</i>							
Free Standing Walls								
Cast in Place Concrete	100%	Now	\$3,100	2065		**		
	<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>							
	<i>Location : North Wall</i>							
Retaining Walls								
Cast in Place Concrete	100%			2065		**		
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	2-4	\$4,700	2035		**		
	<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : West Sidewalk</i>							
Parking/Driveway								
Asphalt	78%	Now	\$4,600	2039		**		
	<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : Parking Lot At Rear Of Building</i>							
Cast in Place Concrete	22%	2-4	\$1,800	2043		**		
	<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : West Driveway</i>							

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2040		**	5	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Electrical Room</i>							
	<i>Explanation : One 400 Ampere Service Switch</i>							
Raceway								
Conduit	100%			2040		**	1	
Panelboards								
Fused Disc Sw	5%			2038		**	5	
Molded Case Bkrs	95%			2038		**	5	\$200

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
EMS STATION 57 BEDFORD STUYVESANT STATION
Asset # : 13999

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Wiring								
Thermoplastic	100%			2040	**	1		
Motor Controllers								
Locally Mounted	10%	4+	\$200	2035	**	5		
<i>Corroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
Motor Control Center	90%			2035	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : Copper Clamp Type Hub Connection</i>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2035	**	1	\$1,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : 104 Ampere Switch</i>								
Generators								
Diesel	100%			2033	\$99,500	1	\$2,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside On Lower Roof</i>								
<i>Explanation : 70 Kilo-volt-ampere</i>								
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$200	
Fuel Storage								
Day Tank								
	50%			2038	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside On Lower Roof</i>								
<i>Explanation : 56 Gallon</i>								
Main Tank								
	50%			2045	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Underground</i>								
<i>Explanation : 2,500 Gallon Tank Shared With Apparatus Fuel Station</i>								
Lighting								
Interior Lighting								
Fluorescent								
	100%			2030	\$50,900	10	\$5,500	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Egress Lighting								
Emergency, Service								
	50%			2030	\$1,800	1		
Exit, Service								
	50%			2030	\$1,300	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fixtures Are Connected To Building Power</i>								

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FIRE DEPARTMENT - 057
EMS STATION 57 BEDFORD STUYVESANT STATION
Asset # : 13999

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting

HID

50%

2030

\$13,700

10

*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside Perimeter**Explanation : Operated Via Timer*

No Component

50%

Alarm

Security System

No Component

70%

Generic

30%

2030

\$3,300

1

\$700

Mechanical**Current Repair****Future Replacement****Maintenance**

System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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Heating

Energy Source

Electricity

10%

2050

* *

1

Natural Gas

90%

2050

* *

1

Conversion Equipment

Furnace

70%

2035

* *

1

\$2,100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Four Heaters Are In Truck Bay Area. Package Unit Is On The Roof**Explanation : Four Modine Heaters, One Package Unit*

Furnace

20%

Now

\$3,600

2040

* *

1

\$500

*Broken, Extent : Severe, Area Affected : 20%**Location : Four Are In Truck Bay Area. Package Unit Is On The Roof*

Radiant Heater

10%

2030

\$15,300

2

\$300

*Other Observation, Extent : Light, Area Affected : 10%**Location : One Is In Hallway, One Is In Meter Room**Explanation : 2 Units***Air Conditioning**

Energy Source

Electricity

100%

2046

* *

1

Conversion Equipment

Ext Pkg Unit - Heating/Cooling

30%

2035

* *

2

\$100

*R-22 Refrigerant, Extent : Light, Area Affected : 30%**Location : Roof**Other Observation, Extent : Light, Area Affected : 100%**Location : Roof**Explanation : One Unit For Office Only*

No Component

70%

Distribution

Ductwork/Diffusers

100%

LIFE

* *

2

\$7,800

Ventilation

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*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
EMS STATION 57 BEDFORD STUYVESANT STATION
Asset # : 13999

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Distribution								
Ductwork/Diffusers	100%	Now	\$5,100	LIFE	**	2-5	\$3,300	
<i>Leak Evident, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Leaking In Mens Locker Room When It Rains</i>								
Exhaust Fans								
Roof	100%			2035	**	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2050	**	1		
Water Heater With Tanks								
Gas Fired	100%			2028	\$16,700	2		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Water Heater Room</i>								
<i>Explanation : One 74 Gallon Unit</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Backflow Preventer								
No Component	50%							
Generic	50%			2035	**	1	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2050	**	1-2	\$1,700	

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 58 EAST 83RD STREET STATION
Address : 420 EAST 83RD ST. @ PRESTON CT.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.058 / 14000 **Yr Built/Renovated** :
Area Sq Ft : 25,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Mar-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,Mez
Block : 1562 **Lot** : 36 **BIN** : 1050434

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$177,400	\$796,800
Interior Architecture	\$289,200	\$326,300
Mechanical		\$38,000
Total	\$466,600	\$1,161,000
Importance Code A	\$177,400	\$834,700
Importance Code B	\$289,200	\$326,300
Total	\$466,600	\$1,161,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$62,500	\$11,900		\$8,300
Interior Architecture	\$51,400			\$11,900
Electrical	\$4,900	\$2,400	\$2,000	\$2,400
Mechanical	\$8,400	\$1,900	\$4,100	\$11,200
Site Pavements	\$4,100			
Total	\$131,200	\$16,300	\$6,200	\$33,800
Importance Code A	\$63,700	\$13,200	\$1,200	\$9,600
Importance Code B	\$35,900	\$3,100	\$4,900	\$24,200
Importance Code C	\$31,600			
Total	\$131,200	\$16,300	\$6,200	\$33,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 58 EAST 83RD STREET STATION
Asset # : 14000

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick Cavity	60%	Now	\$31,200	LIFE	**	5	\$18,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Bottom Corner Of Facade At Street Corner</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Base Of Building Along Preston Court</i>								
Metal Coiling Doors	25%			2030	\$796,800	5	\$23,900	
Metal Coiling Doors	15%			2049	**	5	\$14,300	
Windows								
Aluminum	100%	Now	\$24,100	2057	**	5	\$300	
<i>Air Infiltration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Hardware Missing, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Mezzanine Offices</i>								
Parapets								
Metal Panel	100%			2052	**	5	\$16,700	
Roof								
Modified Bitumen	100%	4+	\$177,400	2037	**			
<i>Ponding, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Eastern Half Of Roof</i>								
<i>Recent Replace Evident, Extent : N/A, Area Affected : 35%</i>								
<i>Location : Western Third Of Roof</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 58 EAST 83RD STREET STATION
Asset # : 14000

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior Floors								
Cast in Place Concrete	55%	Now	\$222,200	LIFE	**	5	\$58,500	
<i>Horizontal Cracks, Extent : Severe, Area Affected : 25%</i> <i>Location : Truck Bay Floor</i> <i>Misaligned/Bulging, Extent : Severe, Area Affected : 30%</i> <i>Location : At Column Supports And Control Joints Throughout Truck Bays</i> <i>Other Observation, Extent : Severe, Area Affected : 25%</i> <i>Location : Various Locations Throughout Truck Bays Due To Differential Settlement Of Slab</i> <i>Explanation : Tripping Hazards</i>								
Cast in Place Concrete	5%	Now	\$4,000	LIFE	**	5	\$5,300	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i> <i>Location : Male And Female Locker Rooms</i>								
Ceramic Tile	5%	Now	\$6,700	2035	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i> <i>Location : Toilet Rooms And Corridors</i>								
Vinyl Tile	20%	Now	\$13,100	2032	\$262,500	3	\$3,600	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i> <i>Location : Throughout First Floor Offices, Corridors</i>								
Vinyl Tile 9" X 9"	15%	Now	\$62,900	2042	**	3	\$2,700	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i> <i>Location : Throughout 1st Floor Gymnasium, Kitchen, Breakroom, Captain Locker Room</i> <i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i> <i>Location : Gymnasium, Kitchen, Breakroom And Locker Rooms</i>								
Interior Walls								
Ceramic Tile	5%	Now	\$6,300	2035	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i> <i>Location : Toilet Rooms And Base Of Corridor Walls</i> <i>Other Observation, Extent : Severe, Area Affected : 10%</i> <i>Location : Mens Locker Room Sink Wall</i> <i>Explanation : Base Of Wall Rotted Through, Wall Detached From Floor</i>								
Concrete Masonry Unit	40%	Now	\$17,300	LIFE	**	5	\$3,800	
<i>Diagonal Cracks, Extent : Severe, Area Affected : 15%</i> <i>Location : Storage Mezzanine</i>								
Gypsum Board	50%	Now	\$8,000	LIFE	**	5	\$7,000	
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i> <i>Location : Apparatus Floor</i> <i>Vertical Cracks, Extent : Light, Area Affected : 15%</i> <i>Location : Offices And Hallways</i> <i>Other Observation, Extent : Severe, Area Affected : 10%</i> <i>Location : Mens Locker Room Sink Wall</i> <i>Explanation : Base Of Wall Rotted Through, Wall Detached From Floor</i>								
Wood	5%			LIFE	**	5	\$4,700	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 58 EAST 83RD STREET STATION
Asset # : 14000

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	40%			2052	**	5	\$19,500	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : First Floor And Mezzanine Offices</i>								
<i>Explanation : Under Construction</i>								
Exposed Struc: Steel	60%			LIFE	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	0-2	\$4,100	2045	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Corner Of Block</i>								
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2042	**	5	\$100	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Two Main Service Disconnect Switches Rated At 400 Amperes Each.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2042	**	5	\$700	
Raceway								
Conduit	100%			2042	**	1		
Panelboards								
Molded Case Bkrs	100%			2040	**	5	\$700	
Wiring								
Thermoplastic	100%			2042	**	1		
Motor Controllers								
Locally Mounted	100%			2030	\$17,800	5	\$200	
Ground								
Grounding Devices								
Not Accessible	100%							
Stand-by Power								
Transfer Switches								
Automatic	100%			2037	**	1	\$7,700	
Generators								
Diesel	100%			2035	**	1	\$9,700	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : Emergency Generator Rated At 150 Kilowatts.</i>								
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$900	

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FIRE DEPARTMENT - 057
EMS STATION 58 EAST 83RD STREET STATION
Asset # : 14000

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Fuel Storage								
Day Tank	5%			2040	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : 30 Gallons Rated Capacity</i>								
Underground Storage	95%			LIFE	**	5		
Lighting								
Interior Lighting								
Fluorescent	20%			2032	\$42,400	10	\$4,600	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Offices</i>								
<i>Explanation : T-8 Lamps</i>								
LED	80%			2040	**			
Egress Lighting								
Emergency, Service	50%			2032	\$7,500	1		
Exit, Service	50%			2032	\$5,300	1		
Exterior Lighting								
LED	30%			2040	**			
No Component	70%							
Alarm								
Security System								
No Component	70%							
Generic	30%			2032	\$13,800	1	\$2,800	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Outside Perimeter</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2052	**	1		
Conversion Equipment								
Furnace	50%			2032	\$38,000	1	\$6,200	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Garage Area</i>								
<i>Explanation : 4 Modine Furnaces</i>								
Furnace	50%			2037	**	1	\$6,200	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 4 Gas Fired Rooftop Packaged Units</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2048	**	1		

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 58 EAST 83RD STREET STATION
Asset # : 14000

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Exterior Pkg Unit - Cooling	40%			2037	**	2	\$600
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 4 Rooftop Package Units. R-410a</i>								
	Window/Wall Unit	10%			2027	\$9,300	1	
	No Component	50%						
Ventilation								
Distribution								
	Ductwork/Diffusers	60%			LIFE	**	2-5	\$8,400
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Garage</i>								
<i>Explanation : Flat Canvas Duct System</i>								
	Ductwork/Diffusers	40%			LIFE	**	2-5	\$5,600
Exhaust Fans								
	Interior	25%			2032	\$27,100	2	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 83rd Street Side</i>								
<i>Explanation : Serves Garage Only</i>								
	Roof	75%			2037	**	2	\$600
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2042	**	1	
Water Heater With Tanks								
	Electric	100%			2031	\$23,100	4	
Sanitary Piping								
	Cast Iron	100%	0-2	\$6,200	LIFE	**	1	
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Wash Bay</i>								
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Fixtures								
	Generic	100%						
Fire Suppression								
Sprinkler								
	Generic	100%			2042	**	1-2	\$7,000

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EMS STATION 8 KIPS BAY
Address : 435 EAST 26TH STREET EAST END BELLVUE DNA LAB BLDG.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.008 / 14778 **Yr Built/Renovated** : 2007 /
Area Sq Ft : 6,164 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-Nov-2018 **Landmark Status** : NONE
Areas Surveyed : Floors 1,2
Block : 962 **Lot** : 100 **BIN** : 1087242

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture			\$300	
Interior Architecture	\$25,000			\$500
Electrical		\$5,900	\$100	
Mechanical	\$300	\$200	\$2,000	\$200
Site Pavements	\$1,700			
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$30,900	\$10,100	\$6,300	\$4,700
Importance Code A			\$300	
Importance Code B	\$15,400	\$10,100	\$6,000	\$4,700
Importance Code C	\$15,500			
Total	\$30,900	\$10,100	\$6,300	\$4,700



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 8 KIPS BAY
Asset # : 14778

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Metal Sect. OHD	20%			2043	**	5	\$14,800	
Granite Panels	20%			LIFE	**	5	\$3,600	
Pre-Cast Concrete	60%			LIFE	**	5	\$46,200	
Windows								
Aluminum	100%			2046	**	5	\$500	
Soffits								
Metal Panel	100%			2050	**	5-10		
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$6,900	LIFE	**	5	\$9,100	
<i>Paint Peeling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Vehicle Bay</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Vehicle Bay</i>								
<i>Explanation : Concrete Floor Is Coated With Premium Coating, Concrete Topping, Not Regular Paint.</i>								
Ceramic Tile	10%	Now	\$1,000	2039	**	5	\$500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : 2nd Floor Shower</i>								
Vinyl Tile	45%	Now	\$2,200	2035	**	3	\$1,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1st And 2nd Floor Corridors, Offices, Storage Rooms And Locker Rooms</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 1st And 2nd Floor Corridors, Offices, Storage Rooms And Locker Rooms</i>								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	10%			2039	**	5	\$1,800	
Concrete Masonry Unit	35%	4+	\$11,700	LIFE	**	5	\$2,500	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor Stair Landing</i>								
Gypsum Board	45%	4+	\$2,200	LIFE	**	5	\$4,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Crew Area</i>								
Ceilings								
AcousTileSusp.Lay-In	45%			2043	**	5	\$3,800	
Exposed Struc: Steel	40%			LIFE	**			
Gypsum Board	15%			LIFE	**	5	\$1,600	
Site Enclosure								
Fence/Gates								
Aluminum Picket	100%			2050	**			
Retaining Walls								
Cast in Place Concrete	100%			2065	**			
Site Pavements								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 8 KIPS BAY
Asset # : 14778

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	\$1,000	2043		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Along East 26th Street</i>								
On-Site Walkways								
Cast in Place Concrete	100%			2043		**		
Parking/Driveway								
Cast in Place Concrete	100%	4+	\$700	2043		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Vehicle Entrance</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Transformers								
Dry Type	100%			2043		**	5	
Raceway								
Conduit	100%			2050		**	1	
Panelboards								
Fused Disc Sw	20%			2046		**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : First And Second Floor Electrical Closets</i>								
<i>Explanation : Disconnect Switches Mounted To Bus Duct Serving Building Power Supply.</i>								
Molded Case Bkrs	80%			2046		**	5	\$100
Wiring								
Thermoplastic	100%			2050		**	1	
Lighting								
Interior Lighting								
Fluorescent	75%			2035		**	10	\$4,200
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	25%			2035		**	10	\$1,400
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								
Egress Lighting								
Emergency, Service	50%			2035		**	1	
Exit, Battery	50%			2035		**	10	\$200
Exterior Lighting								
HID	50%			2035		**	10	
No Component	50%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

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Estimates are rounded to the nearest hundred dollars.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
EMS STATION 8 KIPS BAY
Asset # : 14778

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Distribution								
Hot Wtr Piping/Pump	100%			2046	**	4	\$300	
Terminal Devices								
Convactor/Radiator	60%			2043	**	1	\$1,200	
Unit Heater - Hot Water	40%			2035	**			
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		
Conversion Equipment								
Split Unit	30%			2035	**			
No Component	70%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Asset Served By Office Of Chief Medical Examiner</i>								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2	\$4,000	
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,400	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2050	**	1		
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							
Vertical Transport								
Elevators								
Hydraulic	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st To 2nd Floor</i>								
<i>Explanation : One Unit</i>								
Fire Suppression								
Sprinkler								
Generic	100%			2050	**	1-2	\$1,700	
<i>Dry System, Extent : Light, Area Affected : 50%</i>								
<i>Location : Garage</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENG CO 264, 328/ LAD CO 134
Address : 16-15 CENTRAL AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.264 / 13153 **Yr Built/Renovated** : 1913 / 2003
Area Sq Ft : 13,944 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Feb-2019 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 15559 **Lot** : 25 **BIN** : 4298240

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture		\$57,500
Electrical		\$5,900
Mechanical		\$111,400
Site Pavements	\$88,200	
Total	\$88,200	\$174,700
Importance Code B		\$174,700
Importance Code C	\$88,200	
Total	\$88,200	\$174,700

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$27,600	\$6,900	\$200	
Interior Architecture	\$84,900	\$800		\$400
Electrical	\$20,100	\$15,200	\$1,000	\$1,000
Mechanical	\$24,000	\$2,500	\$2,600	\$2,200
Site Enclosure	\$11,200			
Site Pavements	\$42,500			
Total	\$210,300	\$25,400	\$3,800	\$3,600
Importance Code A	\$29,000	\$8,500	\$1,600	\$1,400
Importance Code B	\$90,700	\$16,900	\$2,200	\$2,200
Importance Code C	\$90,600			
Total	\$210,300	\$25,400	\$3,800	\$3,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENG CO 264, 328/ LAD CO 134
Asset # : 13153

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	15%	4+	\$4,300	LIFE	**	5	\$2,700	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : East Wall Of Engine Company 328</i>								
Masonry: Granite	5%			LIFE	**	5	\$700	
<i>Staining/Discoloring, Extent : Light, Area Affected : 2%</i>								
<i>Location : Facade Base; Front Facade.</i>								
Masonry: Limestone	15%	0-2	\$4,100	LIFE	**	5	\$2,000	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Joint Between Limestone And Granite</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Around All Overhead Doors And Adjacent Building</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 2%</i>								
<i>Location : Cornice, Front Facade</i>								
Stucco Cement	50%			2043	**	5	\$22,500	
Wood Overhead Doors	15%			2035	**	5	\$13,500	
Windows								
Aluminum	100%			2046	**	5	\$500	
Parapets								
Masonry: Brick	75%	4+	\$1,600	LIFE	**	5	\$700	
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Parapet Wall South side</i>								
Masonry: Limestone	10%			LIFE	**	5	\$100	
<i>Staining/Discoloring, Extent : Light, Area Affected : 20%</i>								
<i>Location : Coping On Main Roof</i>								
Stucco Cement	15%			2035	**	5	\$300	
Roof								
Built-Up (BUR)	100%	Now	\$17,500	2035	**			
<i>Debris on Roof, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Southeast Corner</i>								
<i>Miss/Damaged Flashings, Extent : Light, Area Affected : 5%</i>								
<i>Location : Fourth Floor Roof East Wall</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At Patched Locations</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENG CO 264, 328/ LAD CO 134
Asset # : 13153

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior Floors								
Cast in Place Concrete	75%	Now	\$26,000	LIFE	**	5	\$34,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Third Floor Gymnasium</i>								
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Various Locations Throughout All Floors</i>								
Ceramic Tile	5%	0-2	\$1,100	2033	\$57,500	5	\$500	
<i>Worn/Eroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Toilets Throughout</i>								
Quarry Tile	5%			2035	**	5	\$1,600	
<i>Worn/Eroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	15%	Now	\$1,700	2035	**	3	\$1,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENG CO 264, 328/ LAD CO 134
Asset # : 13153

Architecture	Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	5%	0-2	\$1,000	2033	\$48,000	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Toilets And Kitchen</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Toilets And Kitchen</i>								
Gypsum Board	15%	2-4	\$700	LIFE	**	5	\$1,600	
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Various Locations</i>								
Masonry: Brick	15%	Now	\$10,000	LIFE	**			
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Engine Company Basement Under Sidewalk Grate</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement</i>								
Plaster	45%	Now	\$9,600	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Various Locations</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Various Locations</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
SGFT/Glazed Masonry	20%	Now	\$15,700	LIFE	**			
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENG CO 264, 328/ LAD CO 134
Asset # : 13153

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	55%	Now	\$3,700	2043	**	5	\$5,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : Truck Bunk Room</i>								
Exposed Struc: Concrete	15%	Now	\$9,200	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Engine Company Basement</i>								
<i>Spalling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : North Side Of Ladder Company Basement.</i>								
<i>Explanation : Corroded Steel Beam. Supplemental Supports Are In Place.</i>								
Gypsum Board	10%			LIFE	**	5	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Toilets And Showers</i>								
<i>Explanation : Paint Peeling</i>								
Plaster	20%	Now	\$6,200	LIFE	**	5	\$2,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$11,200	2060	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2043	**			
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$88,200	2050	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Side Yard Steps And Walkway</i>								

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FIRE DEPARTMENT - 057
ENG CO 264, 328/ LAD CO 134
Asset # : 13153

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Parking/Driveway

Asphalt

100%	Now	\$42,500	2045	**			
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*Cracking/Crumbling, Extent : Severe, Area Affected : 50%**Location : Throughout**Ponding, Extent : Severe, Area Affected : 20%**Location : Throughout**Sinking/Subsiding, Extent : Severe, Area Affected : 20%**Location : Throughout*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw

5%			2050	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Roof**Explanation : One 100 Ampere For Solar Panel*

Molded Case Bkrs

95%			2060	**	5	\$300	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : North Side Basement**Explanation : One 400 Ampere Main Disconnect Switch*

Raceway

Conduit

70%			2040	**	1		
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Conduit

30%			2060	**	1		
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Panelboards

Fused Disc Sw

4%			2038	**	5		
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Fused Disc Sw

1%			2046	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Roof**Explanation : One Photovoltaic Inverter*

Molded Case Bkrs

55%			2038	**	5	\$200	
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Molded Case Bkrs

40%			2055	**	5	\$100	
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Wiring

Thermoplastic

70%			2040	**	1		
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Thermoplastic

30%			2060	**	1		
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Motor Controllers

Locally Mounted

100%			2035	**	5	\$100	
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Ground

Grounding Devices

Generic

100%			LIFE	**	5	\$200	
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Stand-by Power

Transfer Switches

Automatic

100%			2043	**	1	\$4,300	
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENG CO 264, 328/ LAD CO 134
Asset # : 13153

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Generators								
Diesel	100%			2039	**	1	\$5,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 75 Kilowatts</i>								
Batteries								
Nickel Cadmium	100%			2025	\$2,400	5	\$3,100	
Fuel Storage								
Day Tank	100%			2046	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 125 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent	50%			2035	**	10	\$6,400	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Garage, Basement And 3rd Floor</i>								
Fluorescent	5%			2030	\$5,900	10	\$600	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
LED	45%			2040	**			
Egress Lighting								
Emergency, Service	30%			2030	\$2,500	1		
Emergency, Service	20%			2040	**	1		
Emergency, Battery	5%			2030	\$1,100	10	\$200	
Exit, LED	35%			2070	**	1		
Exit, Service	10%			2030	\$600	1		
Exterior Lighting								
HID	30%	Now	\$19,100	2040	**			
<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside Wall Perimeter</i>								
No Component	70%							
Alarm								
Fire/Smoke Detection								
No Component	90%							
Generic, Analog	10%			2025	\$3,500	1-3	\$900	

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2050	**	1		

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FIRE DEPARTMENT - 057
ENG CO 264, 328/ LAD CO 134
Asset # : 13153

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Conversion Equipment Steam Boiler	100%			2043	**	1	\$13,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
<hr/>								
Distribution Steam Piping/Pump	10%	0-2	\$200	2040	**			
<i>Malfunctioning, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Thermostats, Various Locations</i>								
Steam Piping/Pump	90%			2040	**			
<hr/>								
Terminal Devices Convactor/Radiator	100%			2028	\$111,400	1	\$4,500	
<hr/>								
Air Conditioning								
Energy Source Electricity	100%			2038	**	1		
<hr/>								
Conversion Equipment Split Unit	20%			2038	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Lower Roof</i>								
<i>Explanation : 4 Units, R-410a</i>								
Window/Wall Unit	20%			2024	\$10,300	1		
Window/Wall Unit	20%			2028	\$10,300	1		
No Component	40%							
<hr/>								
Terminal Devices Fan Coil - 2 Pipe	20%			2038	**	1	\$900	
No Component	80%							
<hr/>								
Heat Rejection Air Cooled Condenser Unit	20%			2038	**	2	\$1,900	
No Component	80%							
<hr/>								
Ventilation								
Distribution Ductwork/Diffusers	10%			LIFE	**	2-5	\$800	
No Component	90%							
<hr/>								
Exhaust Fans Roof	10%			2038	**	2		
Wall Unit	30%	0-2	\$1,800	2040	**	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 2 Old Units, Extended Life Time. Serves Engine Bays Only</i>								
No Component	60%							
<hr/>								
Plumbing								

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FIRE DEPARTMENT - 057
ENG CO 264, 328/ LAD CO 134
Asset # : 13153

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
H/C Water Piping	Brass/Copper	3%	0-2	\$100	2050	**	1	
<i>Not Insulated, Extent : Light, Area Affected : 10%</i>								
<i>Location : Near Water Main Valve, Basement</i>								
	Brass/Copper	97%			2040	**	1	
Water Heater With Tanks	Gas Fired	100%			2028	\$16,700	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping	Cast Iron	20%	0-2	\$6,900	LIFE	**	1	
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen And East Side Of The Basement</i>								
<i>Corroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front Of Basement</i>								
<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : From 3rd Floor Shower To 2nd Floor</i>								
	Cast Iron	80%			LIFE	**	1	
Storm Drain Piping	Cast Iron	20%	0-2	\$200	LIFE	**	1	
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : East Side Of The Roof</i>								
	Cast Iron	80%			LIFE	**	1	
Sump Pump(s)	Submersible	100%	0-2	\$400	2025	\$400	4	\$300
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fixtures	Generic	100%						
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Mens Room</i>								
<i>Explanation : Broken Toilet</i>								
Fire Suppression	Chemical System							
	No Component	98%						
	Generic	2%			2024	\$1,600	1-3	\$1,600
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name	: ENG CO. 201/ LAD CO. 114/BAT 40		
Address	: 5113 4th AVENUE		
Borough	: BROOKLYN	Agency's Number	: N/A
Program / Asset #	: FIRSECO.201 / 13098	Yr Built/Renovated	: 2009 /
Area Sq Ft	: 17,800	Project Type	: FIRE DEPARTMENT
Date of Survey	: 25-Jun-2019	Landmark Status	: NONE
Areas Surveyed	: Basement, Roof, Floors 1,2,3		
Block	: 799	Lot	: 5
		BIN	: 3013535

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Mechanical	\$67,700	
Total	\$67,700	
Importance Code B	\$67,700	
Total	\$67,700	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$21,800		\$2,900	\$4,200
Interior Architecture	\$15,300	\$100		
Electrical	\$1,300	\$4,000	\$2,100	\$1,500
Mechanical	\$52,000	\$2,400	\$10,400	\$2,400
Site Pavements				
Total	\$90,400	\$6,500	\$15,400	\$8,100
Importance Code A	\$25,000	\$900	\$3,800	\$5,000
Importance Code B	\$62,800	\$5,700	\$11,600	\$3,000
Importance Code C	\$2,700			
Total	\$90,400	\$6,500	\$15,400	\$8,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENG CO. 201/ LAD CO. 114/BAT 40
Asset # : 13098

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Masonry: Brick	85%	4+	\$20,900	LIFE	**	5	\$13,000		
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Masonry Wall In Courtyard</i>									
Metal Panel	10%			2041	**	5-10	\$10,500		
Metal Panel	5%			2057	**	5-10	\$5,300		
Windows									
Aluminum	100%			2047	**	5	\$700		
Parapets									
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$600		
Masonry: Brick	90%			LIFE	**	5	\$700		
Roof									
Modified Bitumen	95%	Now	\$1,000	2036	**				
<i>Drains Clogged, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Low Roof</i>									
Skylight, Metal/Glass	5%			2051	**	10	\$800		
Soffits									
Metal Panel	100%			2051	**	5-10			
Interior									
Floors									
Cast in Place Concrete	30%	4+	\$2,500	LIFE	**	5	\$3,300		
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>									
<i>Location : Apparatus Floor And Basement.</i>									
Ceramic Tile	5%			2040	**	5	\$200		
Panel/Paver: Concrete	5%	Now	\$400	2051	**				
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : Inner Courtyard Area</i>									
Wood	60%			2059	**	5	\$5,600		
Interior Walls									
Cast in Place Concrete	5%			LIFE	**				
Concrete Masonry Unit	10%	2-4	\$1,300	LIFE	**	5	\$300		
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>									
<i>Location : Basement Entry Stairs, Both Sides.</i>									
Gypsum Board	75%	Now	\$1,400	LIFE	**	5	\$3,100		
<i>Paint Peeling, Extent : Light, Area Affected : 2%</i>									
<i>Location : Stairwell</i>									
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>									
<i>Location : Stairwell</i>									
Wood	10%			LIFE	**	5	\$2,700		

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FIRE DEPARTMENT - 057
ENG CO. 201/ LAD CO. 114/BAT 40
Asset # : 13098

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	45%	4+	\$700	2044	**	5	\$1,100	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Laundry Room</i>								
Embossed Metal	30%			LIFE	**	5	\$700	
Exposed Struc: Steel	10%	4+	\$5,800	LIFE	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Gypsum Board	10%	0-2	\$400	LIFE	**	5	\$600	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Basement Stair.</i>								
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Engine Bunk Room.</i>								
<i>Explanation : Paint Peeling.</i>								
Wood	5%			LIFE	**	5	\$2,200	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			
On-Site Walkways								
Pavers/Stone	100%	2-4		2044	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Cracked Pavers Below Spiral Stair In Courtyard</i>								
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2051	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 600 Amperes</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2051	**	5	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 600 Amperes</i>								
Raceway								
Conduit	100%			2051	**	1		
Panelboards								
Molded Case Bkrs	100%			2047	**	5	\$500	
Wiring								
Thermoplastic	100%			2051	**	1		
Motor Controllers								
Locally Mounted	100%			2044	**	5	\$100	

Ground

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FIRE DEPARTMENT - 057
ENG CO. 201/ LAD CO. 114/BAT 40
Asset # : 13098

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$300	
Stand-by Power								
Transfer Switches Automatic	100%			2044	**	1	\$5,500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Electrical Room (Basement)</i>						
		<i>Explanation : One 600 Amperes And One 70 Amperes</i>						
Generators								
Diesel	100%			2040	**	1	\$6,900	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Generator Room (Basement)</i>						
		<i>Explanation : 175 Kilowatts</i>						
Batteries								
Lead/Acid	100%			2025	\$2,400	5	\$700	
Fuel Storage								
Day Tank	50%			2047	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 25 Gallon</i>						
Main Tank	50%			2059	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 135 Gallon Tank</i>						
Lighting								
Interior Lighting LED	100%			2036	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Motion Sensor Controls</i>						
Egress Lighting								
Emergency, Service Exit, Battery	50%			2036	**	1		
	50%			2036	**	10	\$600	
Exterior Lighting								
HID	50%			2036	**	10		
No Component	50%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2051	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENG CO. 201/ LAD CO. 114/BAT 40
Asset # : 13098

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Conversion Equipment								
Furnace	50%	Now	\$2,700	2036	**	1	\$4,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 6 Rooftop Units</i>								
<i>Explanation : Ongoing Control Issues</i>								
Hot Water Boiler	50%			2044	**	1	\$4,400	
Terminal Devices								
Convactor/Radiator	95%			2044	**	1	\$5,500	
Fan Coil Unit/Heat	5%			2031	\$21,600	1	\$300	
Air Conditioning								
Energy Source								
Electricity	100%			2053	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	95%	Now	\$13,900	2036	**	2	\$800	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Rooftop Units</i>								
<i>Explanation : Ongoing Control Issues, Three 410 Ampere Units</i>								
Split Unit	5%	Now	\$20,600	2041	**			
<i>Broken, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Roof</i>								
Distribution								
Ductwork/Diffusers	70%	Now	\$10,700	LIFE	**	2	\$16,200	
<i>Needs Cleaning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Ductwork/Diffusers	30%			LIFE	**	2	\$6,900	
Dehumidifier								
Generic	100%	Now	\$67,700	2036	**			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Broken</i>								
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$9,900	
Exhaust Fans								
Roof	100%			2036	**	2	\$500	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENG CO. 201/ LAD CO. 114/BAT 40
Asset # : 13098

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
Water Heater With Tanks									
	Gas Fired	100%	Now	\$300	2029	\$16,700	2		
<i>Broken, Extent : Severe, Area Affected : 50%</i>									
<i>Location : Basement</i>									
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : One 100 Gallon Unit And One 75 Gallon Unit</i>									
Sanitary Piping									
	Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping									
	Cast Iron	100%	Now	\$1,200	LIFE	* *	1		
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>									
<i>Location : Roof</i>									
<i>Explanation : Leak Through Roof Drain</i>									
Sump Pump(s)									
	Non-Submersible	100%			2036	* *	4	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : Duplex Unit</i>									
Sewage Ejector(s)									
	Electric	100%			2036	* *	4	\$1,100	
Backflow Preventer									
	Generic	100%			2036	* *	1	\$1,100	
Fixtures									
	Generic	100%							
Fire Suppression									
Sprinkler									
	No Component	50%							
	Generic	50%			2051	* *	1-2	\$2,500	
Chemical System									
	No Component	90%							
	Generic	10%			2029	\$8,000	1-3	\$7,400	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENG. CO. 207/ BAT. 31/ DIV. 11 BKLYN BORO COMMANDER
Address : 172 TILLARY STREET CO-LOCATE 84TH PRECINCT
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.207 / 13103 **Yr Built/Renovated** : 1971 /
Area Sq Ft : 21,900 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Feb-2019 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 134 **Lot** : 6 **BIN** : 3000252

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$653,100	
Electrical	\$127,100	
Mechanical	\$56,900	\$318,300
Total	\$837,100	\$318,300
Importance Code A	\$653,100	\$55,700
Importance Code B	\$184,100	\$262,600
Total	\$837,100	\$318,300

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$23,300			
Interior Architecture	\$45,600	\$500	\$1,600	
Electrical	\$100	\$8,000	\$200	
Mechanical	\$1,400	\$73,000	\$6,400	\$1,400
Site Enclosure	\$13,100			
Total	\$83,500	\$81,500	\$8,300	\$1,400
Importance Code A	\$23,700	\$200	\$400	\$200
Importance Code B	\$31,500	\$81,400	\$7,900	\$1,200
Importance Code C	\$28,400			
Total	\$83,500	\$81,500	\$8,300	\$1,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENG. CO. 207/ BAT. 31/ DIV. 11 BKLYN BORO COMMANDER
Asset # : 13103

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	60%	Now	\$198,000	LIFE	**	5	\$12,300	
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Lintels Supporting Masonry Above Windows And Brick Reliefs.</i>								
Metal Sect. OHD	10%			2043	**	5	\$6,400	
Granite Panels	30%	Now	\$74,000	LIFE	**	5	\$4,600	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	50%	Now	\$18,900	2055	**	5	\$200	
<i>Unit Inoperable, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
Aluminum	50%			2038	**	5	\$400	
Parapets								
Masonry: Brick	82%	Now	\$59,600	LIFE	**	5	\$4,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Missing Portion Of Brick Parapet At Front Facade, Roof Level</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Metal Cornice	5%			2058	**	10	\$900	
Metal Rail	3%	Now	\$200	2035	**	5	\$1,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Section Of Railing Missing Along Front Of Building</i>								
<i>Loose/Miss Fasteners, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Granite Panels	10%	Now	\$4,200	LIFE	**	5	\$600	
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Caulking At Granite Capstones Failed</i>								
Roof								
Modified Bitumen	100%	0-2	\$321,400	2040	**			1
<i>Alligatoring, Extent : Light, Area Affected : 15%</i>								
<i>Location : Asphalt Joints Throughout.</i>								
<i>Blisters, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Roof Membrane Delaminate From Substrate Throughout</i>								
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Roofing Termination Delaminated At Parapets Throughout</i>								
Interior								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENG. CO. 207/ BAT. 31/ DIV. 11 BKLYN BORO COMMANDER
Asset # : 13103

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	38%	Now	\$20,300	LIFE	**	5	\$26,700	
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor And Stair Shaft Landings.</i>								
Ceramic Tile	10%			2039	**	5	\$3,200	
Terrazzo	10%			LIFE	**	5	\$2,500	
Vinyl Tile	40%			2038	**	3	\$4,800	
Wood	2%			2058	**	5	\$1,200	
Interior Walls								
Ceramic Tile	10%			2039	**	5	\$2,100	
Concrete Masonry Unit	5%	Now	\$4,900	LIFE	**	5	\$400	
<i>Diagonal Cracks, Extent : Light, Area Affected : 15%</i>								
<i>Location : Mechanical Penthouse.</i>								
Gypsum Board	10%			LIFE	**	5	\$1,300	
<i>Other Observation, Extent : Moderate, Area Affected : 90%</i>								
<i>Location : Partial Renovation At 2nd Floor Spaces</i>								
<i>Explanation : Currently Under Construction</i>								
Plaster	35%			LIFE	**	5	\$2,200	
SGFT/Glazed Masonry	25%	Now	\$9,300	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Gymnasium And Apparatus Floor</i>								
SGFT/Glazed Masonry	15%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	10%			2050	**	5	\$1,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Partial Renovation At 2nd Floor Spaces</i>								
<i>Explanation : Currently Under Construction</i>								
Exposed Struc: Concrete	35%			LIFE	**	5	\$600	
Plaster	55%	0-2	\$8,500	LIFE	**	5	\$3,600	
<i>Paint Peeling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Stair Shaft And Shower Area On 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Kitchen And 2nd Floor Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2050	**			
Free Standing Walls								
Masonry: Brick	100%	2-4	\$13,100	2050	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Side - Within Outdoor Parking Area</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Side - Within Outdoor Parking Area</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2035	**			

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FIRE DEPARTMENT - 057
ENG. CO. 207/ BAT. 31/ DIV. 11 BKLYN BORO COMMANDER
Asset # : 13103

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%			2035		**		
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Parking/Driveway

Asphalt	100%			2033				
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Not Accessible	100%							
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Switchgear / Switchboard

Not Accessible	100%							
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Raceway

Conduit	50%			2030	\$18,000	1		
Conduit	50%			2050	**	1		

Panelboards

Molded Case Bkrs	75%			2046	**	5	\$400	
Molded Case Bkrs	25%			2029	\$12,100	5	\$100	

Wiring

Thermoplastic	100%			2040	**	1		
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Motor Controllers

Motor Control Center	100%			2028	\$19,600	5	\$600	
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Ground

Grounding Devices

Not Accessible	100%							
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Lighting

Interior Lighting

Fluorescent	40%			2038	**	10	\$8,000	
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Other Observation, Extent : Light, Area Affected : 100%

Location : 2nd Floor

Explanation : T-8 Lighting Fixtures Installed In Second Floor Offices And Dormitory.

Fluorescent	40%			2025	\$74,300	10	\$8,000	
LED	20%			2025	\$52,800			

Other Observation, Extent : Light, Area Affected : 100%

Location : 2nd Floor

Explanation : LED Fixtures Installed On Second Floor Two Years Ago.

Exterior Lighting

HID	50%			2030	\$49,900	10		
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No Component	50%							
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Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENG. CO. 207/ BAT. 31/ DIV. 11 BKLYN BORO COMMANDER
Asset # : 13103

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Electricity	10%			2040	**	1		
Natural Gas	15%			2060	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Serves Borough Commander Space On 2nd Floor</i>								
<hr/>								
Not Accessible	75%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Served By Adjacent Building</i>								
<hr/>								
Conversion Equipment								
Hot Water Boiler	15%			2050	**	1	\$1,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Serves 2nd Floor Borough Command</i>								
<hr/>								
Radiant Heater	10%			2030	\$55,700	2	\$1,000	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : All Rooms</i>								
<i>Explanation : No Hot Water For Heating Is Being Provided By Adjacent Space So Electric Unit Heaters Are Being Used.</i>								
<hr/>								
Not Accessible	75%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Served By Adjacent Building</i>								
<i>Explanation : No Heat Being Provided</i>								
<hr/>								
Distribution								
Hot Wtr Piping/Pump	85%			2046	**	4	\$900	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : No Hot Water Being Provided By Adjacent Building</i>								
<hr/>								
Hot Wtr Piping/Pump	15%			2055	**	4	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : 2nd Floor Borough Command</i>								
<hr/>								
Terminal Devices								
Air Handler	40%			2030	\$161,000	1	\$5,400	
Convactor/Radiator	60%			2035	**	1	\$4,200	
<hr/>								
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		
<hr/>								
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%			2035	**	2	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : R 410a</i>								
<hr/>								
Split Unit	20%			2030	\$101,600			
Window/Wall Unit	60%			2025	\$48,600	1		

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Estimates are rounded to the nearest hundred dollars.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENG. CO. 207/ BAT. 31/ DIV. 11 BKLYN BORO COMMANDER
Asset # : 13103

Mechanical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning							
Distribution							
Ductwork/Diffusers	40%		LIFE	**	2	\$11,400	
No Component	60%						
Ventilation							
Distribution							
Ductwork/Diffusers	100%		LIFE	**	2-5	\$12,200	
Exhaust Fans							
Interior	60%		2025	\$56,900	2	\$400	
Roof	40%		2030	\$16,600	2	\$300	
Plumbing							
H/C Water Piping							
Brass/Copper	100%		2040	**	1		
Water Heater With Tanks							
Electric	100%		2025	\$23,100	4		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>							
<i>Location : 1st Floor</i>							
<i>Explanation : Two 120 Gallon Units</i>							
Sanitary Piping							
Cast Iron	100%		LIFE	**	1		
Storm Drain Piping							
Cast Iron	100%		LIFE	**	1		
Fixtures							
Generic	100%						
Fire Suppression							
Sprinkler							
No Component	95%						
Generic	5%		2040	**	1-2	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
<i>Location : Gymnasium Locker Rooms And Pole Shaft</i>							
<i>Explanation : Limited Coverage</i>							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 1/ HOOK AND LADDER 24
Address : 142 WEST 31st STREET BTWN: 6TH AVE. - 7TH AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.001 / 13001 **Yr Built/Renovated** : 1946 / 2005
Area Sq Ft : 11,326 **Project Type** : FIRE DEPARTMENT
Date of Survey : 01-Nov-2018 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 806 **Lot** : 66 **BIN** : 1015173

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$78,600	
Mechanical		\$184,000
Total	\$78,600	\$184,000
Importance Code A	\$78,600	
Importance Code B		\$184,000
Total	\$78,600	\$184,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$5,700		\$1,400	
Interior Architecture	\$25,600			
Electrical	\$3,400	\$3,000	\$900	\$800
Mechanical	\$41,200	\$10,300	\$6,800	\$1,400
Site Enclosure	\$1,800			
Total	\$77,900	\$13,300	\$9,100	\$2,200
Importance Code A	\$6,300	\$600	\$2,000	\$600
Importance Code B	\$65,300	\$12,700	\$7,100	\$1,600
Importance Code C	\$6,200			
Total	\$77,900	\$13,300	\$9,100	\$2,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 1/ HOOK AND LADDER 24
Asset # : 13001

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%			LIFE	**	5	\$21,000	
Masonry: Limestone	5%			LIFE	**	5	\$1,100	
Metal Panel	5%	2-4	\$1,800	2050	**	5	\$2,600	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Of Building, Main Entrance</i>								
Metal Sect. OHD	15%			2043	**	5	\$13,100	
Windows								
Aluminum	100%			2046	**	5	\$2,900	
Parapets								
Cast Stone/Terra Cotta	30%			LIFE	**	5	\$6,000	
Masonry: Brick	70%			LIFE	**	5	\$1,800	
Roof								
Roll Roofing	95%	Now	\$3,900	2026	\$78,600	5	\$10,300	
<i>Drains Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
<i>Gut/DS Non Func/Miss, Extent : Light, Area Affected : 10%</i>								
<i>Location : Upper Roof</i>								
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
<i>Other Observation, Extent : Light, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Alligating At Seams</i>								
Skylight, Metal/Glass	5%			2050	**	10	\$2,200	
Interior								
Floors								
Cast in Place Concrete	45%	0-2	\$12,000	LIFE	**	5	\$15,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement Boiler Area</i>								
Ceramic Tile	15%			2039	**	5	\$2,400	
Wood	40%	0-2	\$7,500	2058	**	5	\$6,000	
<i>Deteriorated Finish, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 1/ HOOK AND LADDER 24
Asset # : 13001

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	5%			2039	**	5	\$800	
Concrete Masonry Unit	5%			LIFE	**	5	\$300	
Gypsum Board	30%	Now	\$1,200	LIFE	**	5	\$2,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Stairwell All Floors</i>								
Masonry: Brick	5%	Now	\$2,800	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Around Fuel Fill In Basement</i>								
Metal Panel	5%			LIFE	**			
Plaster	5%			LIFE	**	5	\$200	
SGFT/Glazed Masonry	25%			LIFE	**			
Wood	10%			LIFE	**	5	\$6,000	
Ceilings								
Exposed Struc: Steel	25%			LIFE	**			
Gypsum Board	10%	Now	\$500	LIFE	**	5	\$2,000	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Ceiling And Skylight</i>								
Metal Panel	10%			LIFE	**	5	\$2,000	
Plaster	55%			LIFE	**	5	\$5,500	
Site Enclosure								
Fence/Gates								
Chain Link	90%	2-4	\$1,800	2040	**			
<i>Impact Damage, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Side</i>								
Chain Link	10%			2050	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : North Side</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : North Side</i>								
<i>Explanation : Material Metal Panel</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2043	**			
On-Site Walkways								
Cast in Place Concrete	100%			2043	**			
Parking/Driveway								
Cast in Place Concrete	100%			2043	**			
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 1/ HOOK AND LADDER 24
Asset # : 13001

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2050	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : The Switch Is Rated 400 Amperes. It Is In Good Condition.</i>						
Switchgear / Switchboard								
Fused Disc Sw	100%			2050	**	5		
Raceway								
Conduit	70%			2030	\$25,200	1		
Conduit	30%			2050	**	1		
Panelboards								
Molded Case Bkrs	100%			2046	**	5	\$300	
Wiring								
Thermoplastic	100%			2050	**	1		
Motor Controllers								
Locally Mounted	100%			2043	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2043	**	1	\$3,500	
Generators								
Diesel	100%			2039	**	1	\$4,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : The Engine Has A 65 Kilowatt Portable Generator.</i>						
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$400	
Fuel Storage								
Day Tank	100%			2046	**	5		
Lighting								
Interior Lighting								
Fluorescent	20%			2035	**	10	\$2,100	
		<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Corridors</i>						
HID	10%			2035	**	10		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : Mostly Pendant Fixtures</i>						
LED	70%			2038	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st, 2nd And 3rd Floor</i>						
		<i>Explanation : Most Lighting Fixtures Were Replaced With LED Type Fixtures Last Year.</i>						
Egress Lighting								
Emergency, Service	75%			2035	**	1		
Exit, LED	25%			2058	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 1/ HOOK AND LADDER 24
Asset # : 13001

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Exterior Lighting								
HID	100%			2035	**	10		
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2050	**	1		
Conversion Equipment								
Furnace	50%			2030	\$17,200	1	\$2,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 4 Heating / Cooling Units</i>								
Hot Water Boiler	50%			2035	**	1	\$2,800	
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$3,200	
Hot Wtr Piping/Pump	50%			2038	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2043	**	1	\$3,700	
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	99%			2030	\$184,000	2	\$700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 4 Heating / Cooling Units R-22</i>								
Window/Wall Unit	1%			2025	\$400	1		
Distribution								
Ductwork/Diffusers	99%			LIFE	**	2	\$14,600	
No Component	1%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,300	
Exhaust Fans								
Roof	80%			2035	**	2	\$300	
Wall Unit	20%			2035	**	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2050	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 1/ HOOK AND LADDER 24
Asset # : 13001

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Water Heater With Tanks								
Gas Fired	50%			2025	\$8,300	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 72 Gallon Unit</i>								
Gas Fired	50%			2029	\$8,300	2		
<i>Recent Replace Evident, Extent : N/A, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 72 Gallon Unit</i>								
Sanitary Piping								
Cast Iron	100%	Now	\$27,900	LIFE	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Reported That Main Drain Requires Monthly Cleaning. Reason For Require Cleaning Was Not Visible. 2nd Time Reported</i>								
Storm Drain Piping								
Cast Iron	100%	2-4	\$11,700	LIFE	**	1		
<i>Cracked, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Roof</i>								
<i>Damaged, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Roof</i>								
Backflow Preventer								
Generic	100%			2035	**	1	\$700	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2050	**	1-2	\$3,200	
Chemical System								
No Component	98%							
Generic	2%			2028	\$1,600	1-3	\$1,500	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 10
Address : 124 LIBERTY STREET @ GREENWICH ST.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.010 / 13009 **Yr Built/Renovated** : 1981 / 2003
Area Sq Ft : 5,290 **Project Type** : FIRE DEPARTMENT
Date of Survey : 18-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 52 **Lot** : 22 **BIN** : 1075700

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Mechanical		\$57,200
Total		\$57,200
Importance Code B		\$57,200
Total		\$57,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$43,600		\$8,500	
Interior Architecture	\$7,300	\$400	\$300	
Electrical	\$400	\$2,900	\$500	\$500
Mechanical	\$3,400	\$1,600	\$2,100	\$1,500
Total	\$54,700	\$4,900	\$11,400	\$2,000
Importance Code A	\$43,600	\$200	\$8,500	
Importance Code B	\$9,900	\$4,700	\$2,900	\$2,000
Importance Code C	\$1,300			
Total	\$54,700	\$4,900	\$11,400	\$2,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 10
Asset # : 13009

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Exposed Struc: Steel	2%			LIFE	**	5	\$1,600	
Masonry: Brick	75%	4+	\$30,500	LIFE	**	5	\$19,000	
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bulkhead Windows</i>								
Metal Panel	18%			2051	**	5-10	\$31,300	
Wood Overhead Doors	5%			2044	**	5	\$6,300	
Windows								
Aluminum	95%	Now	\$600	2047	**	5	\$300	
<i>Hardware Missing, Extent : Severe, Area Affected : 2%</i>								
<i>Location : 2nd Floor Engine Office</i>								
Metal Louvers	5%			2040	**	10	\$200	
Parapets								
Cast Stone/Terra Cotta	10%	0-2	\$800	LIFE	**	5	\$700	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Main Roof</i>								
Masonry: Brick	70%			LIFE	**	5	\$600	
Metal Rail	20%			2044	**	5-10	\$3,300	
Roof								
Modified Bitumen	100%	2-4	\$6,500	2036	**			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Main Roof</i>								
Soffits								
Stucco Cement	100%			2044	**	5		
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$7,500	
Ceramic Tile	10%			2040	**	5	\$900	
Quarry Tile	5%			2036	**	5	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Painted Surface</i>								
Sheet Vinyl/Rubber	45%	Now	\$4,900	2036	**	5	\$2,900	
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor Corridor, Office And Locker Room</i>								
Interior Walls								
Ceramic Tile	10%	Now	\$1,300	2040	**	5	\$600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : 2nd Floor Mens Toilet</i>								
Concrete Masonry Unit	35%			LIFE	**	5	\$1,700	
Gypsum Board	15%			LIFE	**	5	\$1,100	
SGFT/Glazed Masonry	25%			LIFE	**			
Wood	15%			LIFE	**	5	\$7,100	

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 10
Asset # : 13009

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileSusp.Lay-In	25%			2044	**	5	\$2,100	
Exposed Struc: Concrete	70%			LIFE	**	5	\$900	
Gypsum Board	5%			LIFE	**	5	\$500	

Water Penetration, Extent : Light, Area Affected : 2%

Location : 2nd Floor Ceiling At Toilet And Locker Doorway

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2044	**			
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On-Site Walkways

Cast in Place Concrete	100%			2044	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2051	**	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room Basement

Explanation : One 800 Ampere Main Disconnect Switch

Switchgear / Switchboard

Molded Case Bkrs	100%			2051	**	5	\$100	
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Raceway

Conduit	100%			2051	**	1		
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Panelboards

Fused Disc Sw	5%			2047	**	5		
Molded Case Bkrs	95%			2047	**	5	\$100	

Wiring

Thermoplastic	100%			2051	**	1		
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Motor Controllers

Locally Mounted	100%			2044	**	5		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Stand-by Power

Transfer Switches

Automatic	100%			2044	**	1	\$1,600	
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Generators

Diesel	100%			2040	**	1	\$2,100	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Generator Room Basement

Explanation : One 80 Kilovolt Ampere

Batteries

Lead/Acid	100%			2025		5	\$200	
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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 10
Asset # : 13009

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Fuel Storage								
Main Tank	100%			2059	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 275 Gallons</i>						
Lighting								
Interior Lighting								
LED	100%			2036	**			
Egress Lighting								
Emergency, Service	50%			2036	**	1		
Exit, LED	50%			2059	**	1		
Exterior Lighting								
LED	20%			2036	**			
No Component	80%							
Alarm								
Security System								
No Component	90%							
Generic	10%			2036	**	1	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside Only</i>						
		<i>Explanation : CCTV Surveillance Cameras</i>						
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Utility Steam	100%	Now	\$1,000	2051	**	1		
		<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : High Pressure Steam Pipe Needs Insulation And New Valves</i>						
Conversion Equipment								
Pres. Reducing Valve/LP Steam	100%			2040	**	5	\$300	
Distribution								
Hot Wtr Piping/Pump	100%			2039	**	4	\$300	
		<i>Insul. Deteriorating, Extent : Light, Area Affected : 30%</i>						
		<i>Location : Basement</i>						
Terminal Devices								
Convactor/Radiator	90%			2044	**	1	\$1,500	
Unit Heater - Hot Water	10%			2031	\$3,100			
Air Conditioning								
Energy Source								
Electricity	100%			2047	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 10
Asset # : 13009

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Air Conditioning								
Conversion Equipment								
	Interior Pkg Unit - Cooling	70%			2029	\$57,200	2	\$200
	Window/Wall Unit	10%			2029	\$2,000	1	
	No Component	20%						
Heat Rejection								
	Air Cooled Condenser Unit	90%			2031	\$10,800	2	\$3,300
	No Component	10%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,000
Exhaust Fans								
	Interior	5%			2036	**	2	
	Roof	80%			2036	**	2	\$100
	Roof	15%	Now	\$1,500	2041	**	2	
<i>Unit Inoperable, Extent : Moderate, Area Affected : 20%</i> <i>Location : Roof. Serves Locker Room</i>								
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2041	**	1	
Water Heater With Tanks								
	Electric	100%			2029	\$23,100	4	
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Basement</i> <i>Explanation : Two 119 Gallon Units</i>								
HW Heat Exchanger								
	HTHW/HW	100%			2041	**		
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2024	\$200	4	\$200
Backflow Preventer								
	Not Accessible	100%						
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System								
	Wet	10%			2029	\$8,000	1-3	\$8,300
	No Component	90%						

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 14
Address : 14 EAST 18th STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.014 / 13010 **Yr Built/Renovated** : 1894 / 2000
Area Sq Ft : 5,106 **Project Type** : FIRE DEPARTMENT
Date of Survey : 19-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3,Ph
Block : 846 **Lot** : 66 **BIN** : 1016141

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$51,200	
Total	\$51,200	
Importance Code A	\$51,200	
Total	\$51,200	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$95,100		\$4,100	
Interior Architecture	\$70,300	\$600		\$200
Electrical				\$100
Mechanical	\$4,700	\$1,200	\$19,800	\$1,200
Total	\$170,200	\$1,800	\$24,000	\$1,500
Importance Code A	\$95,600	\$500	\$4,600	\$500
Importance Code B	\$63,800	\$700	\$19,300	\$1,000
Importance Code C	\$10,800	\$600		
Total	\$170,200	\$1,800	\$24,000	\$1,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 14
Asset # : 13010

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$12,300	
Masonry: Brick	65%			LIFE	**	5	\$10,200	
Masonry: Granite	5%	Now	\$9,100	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Base</i>								
Masonry: Limestone	10%			LIFE	**	5	\$1,200	
Wood Overhead Doors	10%			2036	**	5	\$7,900	
Windows								
Wood	100%	Now	\$51,200	2056	**	5	\$10,900	
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Front Facade</i>								
<i>Split/Cracked, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Front Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	30%			LIFE	**	5	\$1,400	
<i>Other Observation, Extent : N/A, Area Affected : 20%</i>								
<i>Location : Front Facade</i>								
<i>Explanation : Stone Terra Cotta Cornice</i>								
Masonry: Brick	55%	4+	\$800	LIFE	**	5	\$300	
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Main Roof</i>								
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Parapet Walls</i>								
<i>Explanation : Covered With Roof Membrane</i>								
Metal Panel	15%			2051	**	5	\$300	
Roof								
Asphalt Shingle	10%	0-2	\$300	2040	**			
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Raised Roof Area Towards Front Of Building</i>								
Modified Bitumen	85%	0-2	\$44,600	2041	**			
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Raised Roof Area Towards Front Of Building</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor</i>								
Skylight, Metal/Glass	5%	Now	\$40,400	2061	**			
<i>Deteriorated Finish, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Roof</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over Third Floor</i>								
<i>Thermally Inefficient, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Roof</i>								
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 14
Asset # : 13010

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$9,600	
Ceramic Tile	5%	Now	\$2,400	2040	**	5	\$200	
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor Laundry Room And 3rd Floor Bathroom</i>								
Quarry Tile	5%			2044	**	5	\$700	
Vinyl Tile	20%	Now	\$14,200	2041	**	3	\$700	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : 2nd Floor, Bunk Rooms</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Second Floor</i>								
Wood	20%	Now	\$10,200	2046	**	5	\$1,600	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Third Floor</i>								
<i>Split/Cracked, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Third Floor</i>								
Interior Walls								
Ceramic Tile	10%			2040	**	5	\$1,200	
Masonry: Brick	15%			LIFE	**			
Plaster	75%	Now	\$10,800	LIFE	**	5	\$2,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : East Side</i>								
Ceilings								
AcousTileSusp.Lay-In	5%			2044	**	5	\$400	
Embossed Metal	70%	Now	\$31,700	LIFE	**	5	\$2,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Third Floor</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Third Floor</i>								
Exposed Struc: Concrete	20%			LIFE	**	5	\$300	
Gypsum Board	5%	0-2	\$400	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Attic Ceiling Due To Roof Leaks</i>								
Site Enclosure								
Free Standing Walls								
Cast in Place Concrete	100%			2066	**			
Retaining Walls								
Masonry: Brick	100%			2041	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			
Activity Yard								
Cast in Place Concrete	100%			2044	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 14
Asset # : 13010

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2051	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								
Raceway								
Conduit	100%			2051	**	1		
Panelboards								
Fused Disc Sw	5%			2047	**	5		
Molded Case Bkrs	95%			2047	**	5	\$100	
Wiring								
Thermoplastic	100%			2051	**	1		
Motor Controllers								
Locally Mounted	100%			2044	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
LED	100%			2036	**			
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Exterior Lighting								
LED	20%			2036	**			
No Component	80%							
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2041	**	1		
Conversion Equipment								
Steam Boiler	100%			2044	**	1	\$5,100	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Steam Piping/Pump	100%			2051	**			
Terminal Devices								
Convactor/Radiator	100%			2036	**	1	\$1,700	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 14
Asset # : 13010

Mechanical System Component Type	Current Repair			Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Conversion Equipment								
Window/Wall Unit	50%			2026	\$9,400	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$300	
No Component	90%							
Exhaust Fans								
Roof	10%			2031	\$1,000	2		
Wall Unit	10%			2026	\$200	2		
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		
Water Heater With Tanks								
Gas Fired	100%			2029	\$16,700	2		
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	50%			LIFE	**	1		
Cast Iron	50%	Now	\$3,500	LIFE	**	1		
	<i>Blockage /Clogged, Extent : Severe, Area Affected : 50%</i>							
	<i>Location : Cellar And Floor Drain. Occasional Sewer Backups</i>							
Fixtures								
Generic	90%							
Generic	10%							
	<i>Leaking Connections, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : 2nd Floor Bathroom Leaking To 1st Floor</i>							
Fire Suppression								
Chemical System								
Wet	10%			2026	\$8,000	1-3	\$8,300	
No Component	90%							

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 15/ LADDER CO.18 (COMBINED FACILITY)
Address : 25 PITT STREET @ DELANCEY ST
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.015 / 13013 **Yr Built/Renovated** : 1973 / 1988
Area Sq Ft : 14,780 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-May-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 342 **Lot** : 60 **BIN** : 1004078

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$92,400	
Interior Architecture		\$308,300
Total	\$92,400	\$308,300
Importance Code A	\$92,400	
Importance Code B		\$308,300
Total	\$92,400	\$308,300

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$24,000	\$700		\$300
Interior Architecture	\$59,100	\$900	\$600	\$1,400
Electrical	\$100	\$200	\$300	\$28,600
Mechanical	\$10,800	\$10,800	\$8,200	\$39,900
Total	\$94,000	\$12,600	\$9,000	\$70,200
Importance Code A	\$24,000	\$700		\$300
Importance Code B	\$62,300	\$11,900	\$9,000	\$69,900
Importance Code C	\$7,800			
Total	\$94,000	\$12,600	\$9,000	\$70,200



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 15/ LADDER CO.18 (COMBINED FACILITY)

Asset # : 13013

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	93%			LIFE	**	5	\$8,100	
Metal Panel	2%			2052	**	5-10	\$1,200	
Metal Coiling Doors	5%			2045	**	5	\$1,400	
Windows								
Steel	100%	Now	\$92,400	2057	**	5	\$13,100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Deteriorated</i>								
Parapets								
Masonry: Brick	88%	2-4	\$12,800	LIFE	**	5	\$5,200	
<i>Miss/Damaged Flashings, Extent : Light, Area Affected : 2%</i>								
<i>Location : Lower Roof Parapet Wall</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Parapet Wall</i>								
Metal Panel	10%	4+	\$2,300	2052	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Pre-Cast Concrete	2%			LIFE	**	5	\$700	
Roof								
Modified Bitumen	100%	2-4	\$8,800	2037	**			
<i>Blisters, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Near Roof Door</i>								
Soffits								
Stucco Cement	100%			2045	**	5		
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$15,200	LIFE	**	5	\$20,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : First Floor, Apparatus Floor</i>								
Ceramic Tile	5%			2041	**	5	\$1,100	
Quarry Tile	5%			2045	**	5	\$1,700	
Vinyl Tile	50%	Now	\$6,200	2032	\$308,300	3	\$4,300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Second Floor</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 15/ LADDER CO.18 (COMBINED FACILITY)
Asset # : 13013

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%	4+	\$1,500	2041	**	5	\$700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 2nd Floor Toilet Room</i>								
Concrete Masonry Unit	45%			LIFE	**	5	\$5,200	
Gypsum Board	15%	2-4	\$1,200	LIFE	**	5	\$2,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Second Floor</i>								
Plaster	15%	2-4	\$5,100	LIFE	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second Floor And Stair Well</i>								
SGFT/Glazed Masonry	20%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	70%	4+	\$13,000	2037	**	5	\$8,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Exposed Struc: Concrete	25%			LIFE	**	5	\$900	
Plaster	5%	Now	\$17,000	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2045	**			
Parking/Driveway								
Cast in Place Concrete	100%			2045	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Not Accessible	100%							
<i>Other Observation, Extent : N/A, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Electrically Feed From The Adjacent Police Precinct</i>								
Switchgear / Switchboard								
Not Accessible	100%							
<i>Other Observation, Extent : N/A, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Electrically Feed From The Adjacent Police Precinct</i>								
Raceway								
Conduit	20%			2042	**	1		
Conduit	80%			2032	\$28,800	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 15/ LADDER CO.18 (COMBINED FACILITY)
Asset # : 13013

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Fused Disc Sw	5%			2031	\$2,400	5		
Molded Case Bkrs	15%			2040	**	5	\$100	
Molded Case Bkrs	80%			2031	\$38,800	5	\$300	
Wiring								
Thermoplastic	20%			2042	**	1		
Thermoplastic	80%			2032	\$26,000	1		
Motor Controllers								
Locally Mounted	100%			2030	\$17,800	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	98%			2037	**	10	\$13,300	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	2%			2037	**	10	\$300	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Office</i>								
Egress Lighting								
Exit, Service	50%			2027	\$3,100	1		
No Component	50%							
Exterior Lighting								
Fluorescent	20%			2027	\$11,500	10	\$300	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 20%</i>								
<i>Location : Front And Back Outside</i>								
No Component	80%							
Alarm								
Security System								
No Component	80%							
Generic	20%			2037	**	1	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside Only</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Other Side Of Building</i>								
<i>Explanation : Supplied From 7th Precinct</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 15/ LADDER CO.18 (COMBINED FACILITY)

Asset # : 13013

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Conversion Equipment Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Supplied From The Precinct</i>								
<i>Explanation : Inadequate Heat Supply</i>								
Distribution Hot Wtr Piping/Pump	100%			2048	**	4	\$1,100	
Terminal Devices Convactor/Radiator	90%	Now	\$2,100	2045	**	1	\$3,900	
<i>Malfunctioning, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Control System In The Precinct</i>								
Fan Coil Unit/Heat	10%	Now	\$700	2037	**	1	\$400	
<i>Malfunctioning, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Control System In The Precinct</i>								
Air Conditioning								
Energy Source Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Other Side Of Building</i>								
<i>Explanation : Supplied From 7th Precinct</i>								
Conversion Equipment Window/Wall Unit Not Accessible	50%			2027	\$27,300	1		
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Other Side Of Building</i>								
<i>Explanation : Supplied From 7th Precinct</i>								
Distribution Ductwork/Diffusers	100%			LIFE	**	2	\$19,200	
Terminal Devices Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Other Side Of Building</i>								
<i>Explanation : Supplied From 7th Precinct</i>								
Heat Rejection Not Accessible	100%							
Ventilation								
Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$8,200	
Exhaust Fans Roof	100%	Now	\$2,800	2037	**	2	\$400	
<i>Broken, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen. On The Roof</i>								
Plumbing								
H/C Water Piping Brass/Copper	100%			2052	**	1		

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 15/ LADDER CO.18 (COMBINED FACILITY)
Asset # : 13013

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater With Tanks							
	Electric	100%			2031	\$23,100	4	
				<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>				
				<i>Location : 1st Floor</i>				
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 1st Floor</i>				
				<i>Explanation : Two 119 Gallon Units</i>				
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%	Now	\$2,500	LIFE	**	1	
				<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>				
				<i>Location : Apparatus Room. When It Rains Hard.</i>				
	Fixtures							
	Generic	100%						
				<i>Obsolete Fixtures, Extent : Severe, Area Affected : 40%</i>				
				<i>Location : Bathroom, Second Floor</i>				
Fire Suppression								
	Standpipe							
	Generic	100%			2052	**	1-5	\$7,500
	Sprinkler							
	No Component	50%						
	Generic	50%			2052	**	1-2	\$2,100
	Fire Pump							
	Not Accessible	100%						
	Chemical System							
	Dry	10%			2025	\$8,000	1-3	\$7,300
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Kitchen</i>				
				<i>Explanation : Model Rg-4gs</i>				
	No Component	80%						
	Generic	10%			2027	\$8,000	1-3	\$8,100
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Throughout</i>				
				<i>Explanation : Fire Extinguishers</i>				

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 151/ LADDER CO. 76
Address : 7219 AMBOY ROAD
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.151 / 13081 **Yr Built/Renovated** : 1929 /
Area Sq Ft : 7,012 **Project Type** : FIRE DEPARTMENT
Date of Survey : 30-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 8040 **Lot** : 10 **BIN** : 5089056

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture	\$73,900	\$99,100
Electrical		\$56,500
Total	\$73,900	\$155,600
Importance Code B	\$73,900	\$155,600
Total	\$73,900	\$155,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$25,000			
Interior Architecture	\$48,200	\$400	\$800	\$500
Electrical	\$500	\$3,000	\$500	\$600
Mechanical	\$8,100	\$900	\$30,500	\$900
Site Enclosure	\$4,100			
Total	\$85,900	\$4,300	\$31,800	\$1,900
Importance Code A	\$25,700	\$700	\$700	\$700
Importance Code B	\$41,500	\$3,400	\$31,200	\$1,300
Importance Code C	\$18,700	\$200		
Total	\$85,900	\$4,300	\$31,800	\$1,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 151/ LADDER CO. 76
Asset # : 13081

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$8,900	
Masonry: Brick	70%			LIFE	**	5	\$16,000	
Masonry: Granite	5%	4+	\$1,800	LIFE	**	5	\$900	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Elevation</i>								
Metal Sect. OHD	15%			2044	**	5	\$10,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Elevation</i>								
<i>Explanation : Apparatus Overhead Door Replaced With Fiberglass Doors</i>								
Stucco Cement	5%	Now	\$3,200	2036	**	5	\$1,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stair Bulkhead</i>								
Windows								
Aluminum	100%			2039	**	5	\$1,900	
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$4,300	
Masonry: Brick	80%	0-2	\$13,600	LIFE	**	5	\$2,200	
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Roof								
Asphalt Shingle	8%			2034	**	10	\$100	
Modified Bitumen	90%			2041	**	10	\$9,500	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
Skylight, Metal/Glass	2%			2051	**	10	\$700	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$8,700	LIFE	**	5	\$11,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Roof Bulkhead Landing And Apparatus Floor</i>								
Ceramic Tile	3%			2040	**	5	\$300	
Quarry Tile	10%			2036	**	5	\$1,600	
Terrazzo	2%			LIFE	**	5	\$200	
Vinyl Tile	35%	0-2	\$19,800	2031	\$99,100	3	\$1,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout 2nd Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 151/ LADDER CO. 76
Asset # : 13081

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	10%	Now	\$9,900	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Ceramic Tile	3%			2040	**	5	\$400	
Masonry: Brick	10%			LIFE	**			
Marble Panels	1%			LIFE	**			
Plaster	30%	Now	\$4,700	LIFE	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Stairwell And Hose Tower Bulkhead</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor Bathroom Areas</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Stairwell And Hose Tower Bulkhead</i>								
SGFT/Glazed Masonry	44%			LIFE	**			
Wood	2%			LIFE	**	5	\$1,100	
Ceilings								
AcousTileSusp.Lay-In	10%	4+	\$300	2036	**	5	\$500	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Kitchen</i>								
Exposed Struc: Steel	60%	Now	\$73,900	LIFE	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Under Right Apparatus Floor Drain</i>								
Plaster	30%	Now	\$4,700	LIFE	**	5	\$2,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	**			
Free Standing Walls								
Concrete Masonry Unit	100%	Now	\$4,100	2041	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Top Of Wall At Rear Yard</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2036	**			
On-Site Walkways								
Cast in Place Concrete	100%			2036	**			
Parking/Driveway								
Cast in Place Concrete	100%			2036	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 151/ LADDER CO. 76
Asset # : 13081

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment Fused Disc Sw	100%			2051	**	5		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 200 Ampere</i>							
Raceway								
Conduit	75%			2051	**	1		
Conduit	25%			2031	\$9,000	1		
Panelboards								
Fused Disc Sw	50%			2047	**	5	\$100	
Molded Case Bkrs	25%			2039	**	5		
Molded Case Bkrs	25%			2047	**	5		
Wiring								
Thermoplastic	100%			2041	**	1		
Motor Controllers								
Locally Mounted	100%			2044	**	5		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : 1st Floor</i>							
	<i>Explanation : Overhead Door Operators</i>							
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches Automatic	100%			2044	**	1	\$2,200	
Generators								
Diesel	100%			2040	**	1	\$2,700	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Outdoor</i>							
	<i>Explanation : 60 Kilowatts</i>							
Batteries								
Lead/Acid	100%			2025	\$2,400	5	\$300	
Fuel Storage								
Main Tank	100%			2059	**	5		
Lighting								
Interior Lighting Fluorescent	95%			2031	\$56,500	10	\$6,100	
	<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
Incandescent	5%			2031	\$4,200	2		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : 1st Floor</i>							
	<i>Explanation : Incandescent Lamps</i>							

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FIRE DEPARTMENT - 057
ENGINE CO. 151/ LADDER CO. 76
Asset # : 13081

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Exterior Lighting								
HID	39%			2031	\$12,500	10		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Exterior</i>						
		<i>Explanation : Switch Operated</i>						
LED	1%			2039	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Truck Entrance Door</i>						
		<i>Explanation : Installed To Illuminate Large Entrance Door</i>						
No Component	60%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2051	**	1		
Conversion Equipment								
Furnace	10%			2036	**	1	\$400	
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : 1st Floor Lounge</i>						
		<i>Explanation : Gas Fireplace</i>						
Steam Boiler	90%			2036	**	1	\$6,300	
Distribution								
Steam Piping/Pump	100%			2051	**			
Terminal Devices								
Convactor/Radiator	100%			2036	**	1	\$2,300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : All Original Equipment</i>						

Air Conditioning								
Energy Source								
Electricity	100%			2047	**	1		
Conversion Equipment								
Split Unit	10%			2031	\$16,300			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Serves 1st Floor Office</i>						
Window/Wall Unit	50%	Now	\$2,600	2026	\$13,000	1		
		<i>Malfunctioning, Extent : Moderate, Area Affected : 30%</i>						
		<i>Location : Throughout</i>						
No Component	40%							

Ventilation

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 151/ LADDER CO. 76
Asset # : 13081

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
	Exhaust Fans							
	Interior	90%			2031	\$27,300	2	\$200
	Wall Unit	10%			2036	**	2	
				<i>Other Observation, Extent : Light, Area Affected : 10%</i>				
				<i>Location : Exterior Wall</i>				
				<i>Explanation : Kitchen Hood Exhaust</i>				
Plumbing								
	H/C Water Piping							
	Brass/Copper	10%			2051	**	1	
	Galvanized Steel	90%			2036	**	1	
	Water Heater With Tanks							
	Gas Fired	100%			2026	\$16,700	2	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Cellar</i>				
				<i>Explanation : Two 75 Gallon Heaters</i>				
	Sanitary Piping							
	Cast Iron	100%	Now	\$4,300	LIFE	**	1	
				<i>Blockage /Clogged, Extent : Severe, Area Affected : 20%</i>				
				<i>Location : Water Backs Up Through Floor Drains In Garage</i>				
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2024	\$200	4	\$200
	Backflow Preventer							
	No Component	90%						
	Generic	10%			2036	**	1	
				<i>Other Observation, Extent : Light, Area Affected : 10%</i>				
				<i>Location : Cellar</i>				
				<i>Explanation : On Boiler Make Up Water Feed</i>				
	Fixtures							
	Generic	100%						
				<i>Obsolete Fixtures, Extent : Light, Area Affected : 100%</i>				
				<i>Location : All Bathrooms</i>				

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 152
Address : 256 HYLAN BOULEVARD
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.152 / 13082 **Yr Built/Renovated** : 1930 /
Area Sq Ft : 6,128 **Project Type** : FIRE DEPARTMENT
Date of Survey : 15-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2856 **Lot** : 15 **BIN** : 5042846

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture		\$81,300
Electrical	\$52,000	
Mechanical		\$931,700
Total	\$52,000	\$1,013,000
Importance Code A		\$81,300
Importance Code B	\$52,000	\$931,700
Total	\$52,000	\$1,013,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$23,400		\$2,600	
Interior Architecture	\$109,600		\$300	\$400
Electrical	\$2,800	\$500	\$38,100	\$400
Mechanical	\$25,300	\$1,400	\$44,800	\$1,400
Site Pavements	\$3,700			
Total	\$164,600	\$1,900	\$85,900	\$2,200
Importance Code A	\$24,300	\$600	\$3,200	\$600
Importance Code B	\$110,500	\$1,200	\$82,700	\$1,600
Importance Code C	\$29,800			
Total	\$164,600	\$1,900	\$85,900	\$2,200



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**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 152
Asset # : 13082

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$16,800	
	<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : South, East And West Elevations</i>							
	<i>Painted Surfaces, Extent : Light, Area Affected : 80%</i>							
	<i>Location : South, East And West Elevations</i>							
Masonry: Granite	3%			LIFE	**	5	\$500	
Masonry: Limestone	7%	2-4	\$11,300	LIFE	**	5	\$1,100	
	<i>Spalling, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : Jamb At Overhead Doors</i>							
Masonry: Sandstone	5%			LIFE	**	5	\$800	
	<i>Other Observation, Extent : N/A, Area Affected : 100%</i>							
	<i>Location : Window Lintels</i>							
	<i>Explanation : This Is Actually Bluestone</i>							
Wood Overhead Doors	5%			2036	**	5	\$5,200	
Windows								
Aluminum	100%	0-2	\$7,900	2039	**	5	\$900	
	<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 90%</i>							
	<i>Location : Perimeter Sealant At All Windows</i>							
Parapets								
Masonry: Brick	80%			LIFE	**	5	\$2,100	
	<i>Painted Surfaces, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
Masonry: Limestone	20%			LIFE	**	5	\$700	
Roof								
Asphalt Shingle	7%			2034	**	10	\$100	
Modified Bitumen	90%	4+	\$4,100	2031	\$81,300			
	<i>Alligatoring, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
	<i>Ponding, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Hylan Boulevard Elevation</i>							
	<i>Seams Open/Split, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : Throughout</i>							
Skylight, Metal/Glass	3%			2051	**	10	\$800	

Interior

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 152
Asset # : 13082

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$38,100	LIFE	**	5	\$10,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i> <i>Location : Main Entrance And At Several Locations On Apparatus Floor</i> <i>Water Penetration, Extent : Moderate, Area Affected : 25%</i> <i>Location : Basement At All Elevations, Cellar Stairs</i> <i>Other Observation, Extent : Severe, Area Affected : 100%</i> <i>Location : Apparatus Floor</i> <i>Explanation : Floor Is Currently Shored By Steel Columns, Repair Or Replacement Is Required</i>								
Ceramic Tile	5%			2034	**	5	\$500	
Quarry Tile	5%			2036	**	5	\$700	
Terrazzo	5%	Now	\$800	LIFE	**	5	\$400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i> <i>Location : Office Space By Entrance</i>								
Vinyl Tile	35%	0-2	\$8,700	2036	**	3	\$1,200	
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 40%</i> <i>Location : Vinyl Base</i> <i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i> <i>Location : Throughout</i>								
Interior Walls								
Cast in Place Concrete	25%	Now	\$22,100	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i> <i>Location : Diagonal Cracks At North And West Foundation</i>								
Ceramic Tile	10%			2034	**	5	\$1,200	
Gypsum Board	5%			LIFE	**	5	\$400	
Marble Panels	5%			LIFE	**			
Plaster	25%	0-2	\$3,500	LIFE	**	5	\$900	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i> <i>Location : 2nd Floor Stair And Bathroom</i>								
SGFT/Glazed Masonry	25%			LIFE	**			
Wood	5%			LIFE	**	5	\$2,400	

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 152
Asset # : 13082

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	20%	Now	\$600	2044	**	5	\$900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Kitchen</i>								
Exposed Struc: Concrete	45%	Now	\$30,200	LIFE	**	5	\$600	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Cellar</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Apparatus Floor Is Temporarily Shored With Steel Columns, Replacement Is Required.</i>								
Plaster	35%	Now	\$4,800	LIFE	**	5	\$2,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	**			
Retaining Walls								
Cast in Place Concrete	100%			2051	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2036	**			
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$2,000	2036	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Pavement Located Adjacent To Generator</i>								
Parking/Driveway								
Cast in Place Concrete	100%	Now	\$1,600	2036	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Northwest Corner Of Building</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 152
Asset # : 13082

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%	Now	\$300	2031	\$14,700	5		
			<i>Enclosure Corroded, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Main Service 200 Ampere</i>					
Switchgear / Switchboard								
Fused Disc Sw	100%			2041	**	5		
Raceway								
Conduit	95%			2031	\$34,200	1		
Conduit	5%			2041	**	1		
Panelboards								
Molded Case Bkrs	75%			2030	\$36,400	5	\$100	
Molded Case Bkrs	25%			2047	**	5		
Wiring								
Thermoplastic	100%			2041	**	1		
Motor Controllers								
Locally Mounted	100%			2029	\$17,800	5		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : Motor Controller For Overhead Door</i>					
Ground								
Grounding Devices								
Generic	100%	0-2	\$2,000	LIFE	**	5	\$100	
			<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Corroded</i>					
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	**	1	\$1,900	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Rating Not Visible</i>					
Generators								
Diesel	100%			2040	**	1	\$2,400	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Exterior Side Yard</i>					
			<i>Explanation : Rated At 40 Kilovolt-ampere</i>					
Batteries								
Nickel Cadmium	100%			2026	\$2,400	5	\$1,400	
Fuel Storage								
Day Tank	100%			2047	**	5		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Side Yard</i>					
			<i>Explanation : 50 Gallon Capacity</i>					

Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 152
Asset # : 13082

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Interior Lighting Fluorescent	100%			2026	\$52,000	10	\$5,600	
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T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%

Location : Throughout

Exterior Lighting HID	75%			2026	\$20,900	10		
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Outdr Lights On During Daytime, Extent : Moderate, Area Affected : 50%
Location : Exterior
Other Observation, Extent : Light, Area Affected : 100%
Location : Exterior
Explanation : Operated Via Photocell

Incandescent	25%			2026	\$8,000	2		
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Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source Natural Gas	100%			2051	**	1		
Conversion Equipment Steam Boiler	100%			2036	**	1	\$6,100	
Distribution Steam Piping/Pump	100%			2041	**			
Terminal Devices Convactor/Radiator	100%			2029	\$48,900	1	\$2,000	

Air Conditioning

Energy Source Electricity	100%			2039	**	1		
Conversion Equipment Window/Wall Unit No Component	80% 20%			2026	\$18,100	1		
Dehumidifier Generic	100%			2029	\$931,700			

Ventilation

Exhaust Fans Interior Roof	30% 10%			2031 2036	\$8,000 **	2 2	\$100	
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Other Observation, Extent : Light, Area Affected : 100%
Location : Roof
Explanation : Kitchen Exhaust

Wall Unit	10%	Now	\$100	2036	**	2		
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Abandoned in Place, Extent : Severe, Area Affected : 100%
Location : Basement
Malfunctioning, Extent : Moderate, Area Affected : 30%
Location : Basement

No Component	50%							
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FIRE DEPARTMENT - 057
ENGINE CO. 152
Asset # : 13082

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	H/C Water Piping								
	Brass/Copper	20%			2041	* *	1		
	Galvanized Steel	80%			2036	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2026	\$16,700	2		
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
				<i>Location : Cellar</i>					
				<i>Explanation : Two 75 Gallon Heaters</i>					
	Sanitary Piping								
	Cast Iron	100%	4+	\$15,100	LIFE	* *	1		
				<i>Corroded, Extent : Moderate, Area Affected : 30%</i>					
				<i>Location : Basement</i>					
	Storm Drain Piping								
	Cast Iron	100%	4+	\$8,400	LIFE	* *	1		
				<i>Corroded, Extent : Moderate, Area Affected : 20%</i>					
				<i>Location : Basement</i>					
	Sump Pump(s)								
	Submersible	100%			2024	\$200	4	\$200	
	Backflow Preventer								
	No Component	95%							
	Generic	5%			2039	* *	1		
				<i>Other Observation, Extent : Light, Area Affected : 10%</i>					
				<i>Location : Cellar</i>					
				<i>Explanation : Boiler Feed</i>					
	Fixtures								
	Generic	100%							
				<i>Obsolete Fixtures, Extent : Light, Area Affected : 40%</i>					
				<i>Location : 2nd Floor</i>					
	Fire Suppression								
	Chemical System								
	No Component	90%							
	Generic	10%			2026	\$8,000	1-3	\$7,400	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 153/ LADDER CO. 77
Address : 74 BROAD STREET
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.153 / 13083 **Yr Built/Renovated** : 1915 / 2003
Area Sq Ft : 9,504 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Jul-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 529 **Lot** : 9 **BIN** : 5013836

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$142,800	\$126,100
Interior Architecture	\$171,300	\$216,400
Electrical	\$20,200	\$60,500
Total	\$334,200	\$403,000
Importance Code A	\$142,800	\$126,100
Importance Code B	\$191,400	\$276,900
Total	\$334,200	\$403,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$131,500			
Interior Architecture	\$105,700	\$1,700		
Electrical	\$2,300		\$2,300	
Mechanical	\$17,400	\$1,600	\$26,100	\$1,400
Site Enclosure	\$18,600			
Site Pavements	\$600			
Total	\$276,000	\$3,300	\$28,400	\$1,400
Importance Code A	\$132,500	\$900	\$1,000	\$900
Importance Code B	\$56,900	\$1,500	\$27,400	\$400
Importance Code C	\$86,700	\$900		
Total	\$276,000	\$3,300	\$28,400	\$1,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 153/ LADDER CO. 77
Asset # : 13083

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$142,800	LIFE	**	5	\$17,800	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Stair Bulkhead</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Rusted Relieving Angles At Windows</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : East Facade, West Facade</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Bunk Room West Wall</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	5%	4+	\$13,700	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Chipped Corners At Overhead Doors</i>								
Masonry: Limestone	10%	4+	\$36,400	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Entrance</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Cornice And Window Sill At Entry Facade</i>								
Metal Sect. OHD	10%			2048	**	5	\$7,400	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Main Apparatus Doors</i>								
Windows								
Aluminum	100%	2-4	\$15,200	2039	**	5	\$800	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$12,700	LIFE	**	5	\$2,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Terra Cotta Copings Are Broken</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Deteriorated Mortar Joints At Coping Units, Various Locations</i>								
Masonry: Brick	90%			LIFE	**	5	\$3,200	
Roof								
Modified Bitumen	95%	4+	\$12,600	2031			\$126,100	
<i>Ponding, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	3%			2051	**	10	\$1,200	
Skylight, Metal/Glass	2%	Now	\$41,000	2061	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Second Floor - Skylight Deteriorated</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 153/ LADDER CO. 77
Asset # : 13083

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	35%	Now	\$7,700	LIFE	**	5	\$10,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Apparatus Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement Towards Front Of Building</i>								
Ceramic Tile	10%			2040	**	5	\$1,300	
Quarry Tile	5%	Now	\$4,800	2036	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Kitchen</i>								
Terrazzo	5%			LIFE	**	5	\$500	
Traffic Topping	35%	Now	\$10,800	2031	\$216,400	5	\$2,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Bunk Areas And Locker Room</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor Bunk Areas And Locker Room</i>								
Vinyl Tile	10%			2031	\$35,800	3	\$500	
Interior Walls								
Cast in Place Concrete	30%	Now	\$40,600	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : North Foundation Wall</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : North Foundation Wall</i>								
Ceramic Tile	10%			2040	**	5	\$1,800	
Masonry: Brick	30%	4+	\$20,400	LIFE	**			
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : First Floor</i>								
Plaster	30%	Now	\$6,500	LIFE	**	5	\$1,600	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Second Floor Locations</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Hose Tower</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Kitchen, Second Floor Bunk Room</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 153/ LADDER CO. 77
Asset # : 13083

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	10%	Now	\$1,100	2044	**	5	\$700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Exposed Struc: Steel	55%	Now	\$171,300	LIFE	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Steel In Cellar Near North Foundation Wall Is Deteriorating</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 1st Floor Framing Near North Foundation Wall</i>								
<i>Explanation : Missing Fireproofing</i>								
Plaster	35%	Now	\$13,800	LIFE	**	5	\$2,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Second Floor Around Skylight Area</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Second Floor Around Skylight Area</i>								
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%	Now	\$18,600	2041	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Perimeter Wall In Rear Yard</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Perimeter Wall In Rear Yard</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Perimeter Wall In Rear Yard</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2036	**			
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$600	2036	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Glass Blocks In Pavement At Side Yard</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2036	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2051	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 Ampere Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2051	**	5	\$300	

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FIRE DEPARTMENT - 057
ENGINE CO. 153/ LADDER CO. 77
Asset # : 13083

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	90%			2051	**	1		
Conduit	10%	0-2	\$1,800	2041	**	1		
<i>Corroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Excessive Corrosion In Basement</i>								
<hr/>								
Panelboards								
Molded Case Bkrs	100%			2039	**	5	\$300	
<hr/>								
Wiring								
Thermoplastic	100%			2051	**	1		
<hr/>								
Motor Controllers								
Locally Mounted	100%			2044	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Motorized Door Operators-garage Doors</i>								
<hr/>								
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<hr/>								
Lighting								
Interior Lighting								
Fluorescent	75%			2031	\$60,500	10	\$6,500	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<hr/>								
Fluorescent	25%			2026	\$20,200	10	\$2,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								
<hr/>								
Egress Lighting								
Exit, Service	25%	Now	\$300	2041	**	1		
<i>Not Functioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout Building</i>								
<hr/>								
No Component	75%							
<hr/>								
Exterior Lighting								
LED	100%			2039	**			

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2041	**	1		
<i>Corroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Mild Corrosion Due To Moisture From Ground Water In Basement</i>								
<hr/>								
Conversion Equipment								
Steam Boiler	100%			2048	**	1	\$9,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2016 Installation</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 153/ LADDER CO. 77
Asset # : 13083

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Central Plant Steam Piping/Pmp	100%			2057	**	4	\$700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2016 Installation</i>								
Terminal Devices								
Convactor/Radiator	100%			2036	**	1	\$3,100	
Air Conditioning								
Energy Source								
Electricity	100%			2053	**	1		
Conversion Equipment								
Window/Wall Unit	70%			2026	\$24,600	1		
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$1,100	
No Component	80%							
Exhaust Fans								
Interior	80%			2031	\$32,900	2	\$200	
Roof	20%	Now	\$700	2031	\$3,600	2		
<i>Not in Service, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Bathroom Exhaust Fans On Roof</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	90%			2041	**	1		
Galvanized Steel	10%			2036	**	1		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Dielectric Fittings At Connection.</i>								
Water Heater With Tanks								
Gas Fired	100%			2029	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 75 Gallon Water Heater</i>								
Sanitary Piping								
Cast Iron	100%	2-4	\$11,700	LIFE	**	1		
<i>Corroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Pipe Hangers And Piping Are Corroded In Basement</i>								
Storm Drain Piping								
Cast Iron	100%	2-4	\$3,300	LIFE	**	1		
<i>Corroded, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Piping Corrosion Due To Moisture From Ground Water In Basement</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 153/ LADDER CO. 77
Asset # : 13083

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Sump Pump(s) Submersible	100%			2024	\$300	4	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Ground Water Continuously Flows Into Pit. Sump Pumps Are Constantly Running.</i>								
Backflow Preventer Generic	100%			2031	\$4,100	1	\$600	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Main Water Service</i>								
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 155/ LADDER CO. 78
Address : 14 BRIGHTON AVENUE
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.155 / 13085 **Yr Built/Renovated** : 1931 / 2004
Area Sq Ft : 6,108 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-Jul-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 103 **Lot** : 20 **BIN** : 5002472

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$210,300	\$77,900
Site Pavements	\$86,200	
Total	\$296,600	\$77,900
Importance Code A	\$210,300	\$77,900
Importance Code C	\$86,200	
Total	\$296,600	\$77,900

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$127,800		\$8,200	\$1,400
Interior Architecture	\$3,600	\$900		\$400
Electrical	\$13,500		\$7,400	
Mechanical	\$4,800	\$1,400	\$20,200	\$1,100
Site Enclosure	\$4,700			
Total	\$154,500	\$2,300	\$35,800	\$2,800
Importance Code A	\$128,100	\$300	\$8,500	\$1,700
Importance Code B	\$19,300	\$1,300	\$27,300	\$1,100
Importance Code C	\$7,100	\$600		
Total	\$154,500	\$2,300	\$35,800	\$2,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 155/ LADDER CO. 78
Asset # : 13085

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	20%	Now	\$21,400	2041	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : South Elevation</i>								
Masonry: Brick	55%	Now	\$122,900	LIFE	**	5	\$15,300	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Window Lintels On North Elevation</i>								
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Above Second Floor Windows</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : North Elevation</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : South, East And West Elevations</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : South, East And West Elevations</i>								
Masonry: Granite	2%			LIFE	**	5	\$400	
Masonry: Limestone	10%	Now	\$21,400	LIFE	**	5	\$2,100	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
Slate Panels	3%	Now	\$25,300	LIFE	**	5	\$600	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Window Headers</i>								
<i>Spalling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Window Headers</i>								
Wood Overhead Doors	10%			2029	\$77,900	5	\$13,900	
Windows								
Aluminum	85%	Now	\$29,400	2039	**	5	\$800	
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Roof Hatch Area</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various 2nd Floor Windows</i>								
Wood	15%			2047	**	5	\$2,800	
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$2,900	
Masonry: Brick	75%	Now	\$8,600	LIFE	**	5	\$1,400	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%			LIFE	**	5	\$100	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 155/ LADDER CO. 78
Asset # : 13085

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Asphalt Shingle	10%	Now	\$200	2040	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Shed Roofs At Rear Of Building</i>								
Modified Bitumen	90%			2026	\$87,500	10	\$8,200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout Main Roof</i>								
Soffits								
Alum/Vinyl Siding	100%	Now	\$14,500	2051	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Shed Roofs At Rear Of Building</i>								
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$12,000	
Ceramic Tile	5%			2040	**	5	\$500	
Quarry Tile	3%			2044	**	5	\$400	
Vinyl Tile	32%			2036	**	3	\$1,500	
Interior Walls								
Cast in Place Concrete	15%			LIFE	**			
Ceramic Tile	10%			2040	**	5	\$1,300	
Gypsum Board	10%			LIFE	**	5	\$800	
Plaster	40%	Now	\$2,400	LIFE	**	5	\$1,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Roof Scuttle Area</i>								
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	15%			2044	**	5	\$1,400	
Exposed Struc: Concrete	30%			LIFE	**	5	\$400	
Exposed Struc: Steel	10%			LIFE	**			
Exposed Struc: Wood	15%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Shed Areas On First Floor</i>								
<i>Explanation : Underside Of Shed Additions</i>								
Plaster	30%			LIFE	**	5	\$1,700	
Site Enclosure								
Fence/Gates								
Chain Link	100%	2-4	\$4,700	2041	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Gates At North Elevations</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2036	**			
On-Site Walkways								
Cast in Place Concrete	100%			2036	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 155/ LADDER CO. 78
Asset # : 13085

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Parking/Driveway
Asphalt

100%	Now	\$86,200	2046	**			
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Broken/Missing Elements, Extent : Moderate, Area Affected : 50%
Location : Rear Parking Lot
Cracking/Crumbling, Extent : Moderate, Area Affected : 100%
Location : Rear Parking Lot
Potholes, Extent : Moderate, Area Affected : 10%
Location : Rear Parking Lot

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment
Fused Disc Sw

100%			2031	\$14,700	5		
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Other Observation, Extent : Light, Area Affected : 100%
Location : Basement Electrical Section
Explanation : 200 Ampere

Raceway

Conduit
Conduit

80%			2041	**	1		
20%	4+	\$2,900	2041	**	1		

Covers Missing, Extent : Moderate, Area Affected : 2%
Location : 2nd Floor

Panelboards

Molded Case Bkrs
Molded Case Bkrs

80%			2039	**	5	\$100	
20%			2030	\$9,700	5		

Wiring

Braided Cloth

20%	2-4	\$6,500	2056	**	1		
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Insulation Aged, Extent : Moderate, Area Affected : 100%
Location : Basement

Thermoplastic

80%			2041	**	1		
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Motor Controllers

Locally Mounted

100%			2036	**	5		
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Ground

Grounding Devices
Generic

100%	2-4	\$4,100	LIFE	**	5	\$100	
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Other Observation, Extent : Severe, Area Affected : 100%
Location : Basement Water Service
Explanation : Ground Conductor Is Frayed And Not Fully Connected To Clamp

Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 155/ LADDER CO. 78
Asset # : 13085

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Interior Lighting Fluorescent	80%			2031	\$41,500	10	\$4,500	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	10%			2026	\$7,400	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : TV And Dining Room And Kitchen</i>								
<i>Explanation : Downlights</i>								
LED	10%			2039	* *			
Exterior Lighting								
LED	100%			2031	\$32,000			

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	100%			2051	* *	1		
Conversion Equipment Hot Water Boiler	100%			2044	* *	1	\$3,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2016 Installation Of Boiler.</i>								
Distribution Hot Wtr Piping/Pump	100%			2053	* *	4	\$500	
Terminal Devices Convactor/Radiator	100%			2036	* *	1	\$2,000	
Air Conditioning								
Energy Source Electricity	100%			2047	* *	1		
Conversion Equipment Window/Wall Unit	80%	Now	\$3,600	2026	\$18,100	1		
<i>Unit Inoperable, Extent : Severe, Area Affected : 33%</i>								
<i>Location : 3 Of 9 Units Defective Located In TV Room Behind Kitchen And Bunker Room</i>								
No Component	20%							
Ventilation								
Distribution Ductwork/Diffusers	20%			LIFE	* *	2-5	\$700	
No Component	80%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 155/ LADDER CO. 78
Asset # : 13085

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
Exhaust Fans								
Interior	20%			2031	\$5,300	2		
Roof	10%			2039	**	2		
		<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Mounted On Vertical Ductwork Next To Roof</i>						
Wall Unit	20%	Now	\$100	2031	\$500	2		
		<i>Other Observation, Extent : Light, Area Affected : 20%</i>						
		<i>Location : 2nd Floor</i>						
		<i>Explanation : Cover And Exterior Grill Missing</i>						
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		
Water Heater With Tanks								
Gas Fired	100%			2029	\$16,700	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 75 Gallon Water Heater</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	70%			2025	\$100	4	\$100	
Submersible	30%			2024	\$100	4	\$100	
Fixtures								
Generic	100%							
		<i>Leaking Faucets/Valves/Heads, Extent : Moderate, Area Affected : 2%</i>						
		<i>Location : Kitchen Sink</i>						
Fire Suppression								
Chemical System								
Wet	10%			2029	\$8,000	1-3	\$8,300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Serves To Protect Kitchen Cooking Range.</i>						
No Component	90%							

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 156
Address : 412 BROADWAY NEAR DELAFIELD AVE.
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.156 / 13086 **Yr Built/Renovated** : 1909 / 2001
Area Sq Ft : 4,354 **Project Type** : FIRE DEPARTMENT
Date of Survey : 23-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 217 **Lot** : 50 **BIN** : 5005815

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$71,800	
Total	\$71,800	
Importance Code A	\$71,800	
Total	\$71,800	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$22,000		\$10,400	\$500
Interior Architecture	\$33,600	\$400		
Electrical	\$7,300	\$100	\$3,700	\$100
Mechanical	\$4,500	\$1,100	\$41,700	\$1,100
Site Enclosure	\$2,400			
Total	\$69,800	\$1,600	\$55,800	\$1,700
Importance Code A	\$22,400	\$400	\$10,800	\$900
Importance Code B	\$23,000	\$1,000	\$45,000	\$800
Importance Code C	\$24,400	\$300		
Total	\$69,800	\$1,600	\$55,800	\$1,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 156
Asset # : 13086

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2041	**	10	\$400	
Masonry: Brick	75%	Now	\$71,800	LIFE	**	5	\$17,900	
<i>Painted Surfaces, Extent : Light, Area Affected : 80%</i>								
<i>Location : North, South And West Elevations</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : South Elevation</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Elevations</i>								
Masonry: Limestone	10%	Now	\$18,300	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Apparatus Entrance</i>								
Wood Overhead Doors	10%			2036	**	5	\$11,900	
Windows								
Aluminum	100%			2047	**	5	\$1,000	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,400	
Masonry: Brick	85%	0-2	\$3,700	LIFE	**	5	\$1,500	
<i>Painted Surfaces, Extent : Light, Area Affected : 80%</i>								
<i>Location : North, South And West Elevations</i>								
<i>Spalling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : South Elevation</i>								
Masonry: Limestone	5%			LIFE	**	5	\$100	
Roof								
Modified Bitumen	95%			2036	**	10	\$4,400	
Skylight, Metal/Glass	5%			2041	**	10	\$800	
<i>Not Insulated, Extent : Light, Area Affected : 100%</i>								
<i>Location : Skylight Is Not Thermally Broken</i>								
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$5,500	LIFE	**	5	\$7,300	
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
Ceramic Tile	5%			2040	**	5	\$400	
Wood	50%			2034	**	5	\$6,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Wooden Stair Treads Are Uneven And Loose</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 156
Asset # : 13086

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	20%			LIFE	**			
Ceramic Tile	5%			2040	**	5	\$500	
Gypsum Board	35%			LIFE	**	5	\$2,100	
Masonry: Brick	25%	Now	\$23,700	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Plaster	15%	4+	\$700	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Third Floor</i>								
Ceilings								
AcousTileSusp.Lay-In	5%			2044	**	5	\$400	
Embossed Metal	70%			LIFE	**	5	\$2,300	
Exposed Struc: Steel	25%			LIFE	**			
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	**			
Retaining Walls								
Cast in Place Concrete	100%	Now	\$2,400	2051	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Yard Walls Have Several Cracks</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2036	**			
On-Site Walkways								
Cast in Place Concrete	100%			2036	**			
Parking/Driveway								
Cast in Place Concrete	100%			2036	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2041	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2041	**	5	\$100	
Raceway								
Conduit	100%	4+	\$1,800	2041	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Incoming Conduits And Supports</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 156
Asset # : 13086

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Molded Case Bkrs	100%	2-4	\$2,400	2039	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bunk Room</i>								
<i>Explanation : Circuit Breakers Serving Air conditioners Trip</i>								
Wiring								
Thermoplastic	100%			2041	**	1		
Motor Controllers								
Locally Mounted	100%			2044	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	90%			2036	**	10	\$3,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	10%	4+	\$1,600	2031	\$5,300	2		
<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Television Room</i>								
Egress Lighting								
Emergency, Battery	50%			2031	\$3,600	10	\$500	
Exit, Service	50%			2031	\$900	1		
Exterior Lighting								
HID	50%			2031	\$9,900	10		
No Component	50%							
Alarm								
Security System								
No Component	95%							
Generic	5%	Now	\$400	2041	**	1	\$100	
<i>Cameras Damaged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<i>Not in Service, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Cameras Observed</i>								
Fire/Smoke Detection								
No Component	80%							
Generic, Analog	20%	Now	\$1,100	2041	**	1-3	\$500	
<i>Devices Missing, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floors</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 156
Asset # : 13086

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Electricity	10%			2051	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
<i>Explanation : Front Lounge And Weight Room</i>								
Natural Gas	90%			2031	\$1,000	1		
Conversion Equipment								
Radiant Heater	10%			2036	**	2	\$200	
Steam Boiler	90%			2036	**	1	\$3,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Gas Fired Steam Boiler</i>								
Distribution								
Steam Piping/Pump	100%			2041	**			
Terminal Devices								
Convactor/Radiator	100%			2036	**	1	\$1,400	
Air Conditioning								
Energy Source								
Electricity	100%			2047	**	1		
Conversion Equipment								
Window/Wall Unit	95%			2026	\$15,300	1		
Window/Wall Unit	5%	0-2	\$500	2031	\$800	1		
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout, Various Mechanical And Electrical Defects</i>								
Ventilation								
Exhaust Fans								
Interior	50%			2031	\$9,400	2	\$100	
Roof	50%			2031	\$4,100	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		
Water Heater With Tanks								
Gas Fired	100%			2026	\$16,700	2		
Sanitary Piping								
Cast Iron	100%	Now	\$2,700	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Bathroom</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2024	\$100	4	\$100	
Backflow Preventer								
No Component	80%							
Generic	20%			2031	\$400	1	\$100	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Explanation : Boiler Feed</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 156
Asset # : 13086

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System								
	No Component	90%						
	Generic	10%			2026	\$8,000	1-3	\$7,400

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 157/ LADDER CO. 80
Address : 1573 CASTLETON AVENUE BTWN FABER ST - PORT RICHMOND AV
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.157 / 13087 **Yr Built/Renovated** : 1931 / 2003
Area Sq Ft : 6,296 **Project Type** : FIRE DEPARTMENT
Date of Survey : 03-Nov-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1080 **Lot** : 2 **BIN** : 5025442

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture	\$84,300	\$76,300
Mechanical		\$95,600
Total	\$84,300	\$171,900
Importance Code B		\$171,900
Importance Code C	\$84,300	
Total	\$84,300	\$171,900

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$36,400		\$2,100	
Interior Architecture	\$52,700		\$200	\$400
Electrical	\$19,900			
Mechanical	\$8,700	\$15,200	\$7,600	\$7,400
Total	\$117,700	\$15,200	\$9,900	\$7,800
Importance Code A	\$37,100	\$600	\$2,700	\$600
Importance Code B	\$71,200	\$14,600	\$7,200	\$7,200
Importance Code C	\$9,500			
Total	\$117,700	\$15,200	\$9,900	\$7,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 157/ LADDER CO. 80
Asset # : 13087

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%			LIFE	**	5	\$38,700	
<i>Painted Surfaces, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	5%			LIFE	**	5	\$1,700	
Masonry: Limestone	5%			LIFE	**	5	\$1,700	
Metal Sect. OHD	5%			2046	**	5	\$3,600	
Windows								
Aluminum	100%	0-2	\$8,700	2041	**	5	\$900	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor And Captain Office</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$2,600	
Masonry: Brick	90%			LIFE	**	5-10	\$5,600	
<i>Recent Repair Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Parapet</i>								
Roof								
Asphalt Shingle	20%			2036	**	10	\$300	
Modified Bitumen	80%			2038	**	10	\$7,300	
<i>Recent Repair Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Roof</i>								
Interior								
Floors								
Cast in Place Concrete	60%	0-2	\$23,500	LIFE	**	5	\$12,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2036	**	5	\$500	
Quarry Tile	5%			2038	**	5	\$700	
Vinyl Tile	30%			2033	\$76,300	3	\$1,400	
<i>Worn/Eroded, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout 2nd Floor</i>								
Interior Walls								
Gypsum Board	5%			LIFE	**	5-10	\$1,100	
Masonry: Brick	35%	Now	\$84,300	LIFE	**			
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Plaster	20%	Now	\$6,200	LIFE	**	5	\$800	
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout 2nd Floor And Stair</i>								
SGFT/Glazed Masonry	40%			LIFE	**	10	\$2,600	

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 157/ LADDER CO. 80
Asset # : 13087

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	30%	0-2	\$9,200	2038	**	5	\$1,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Second Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Kitchen, Throughout Second Floor</i>								
Exposed Struc: Concrete	35%			LIFE	**	5-10	\$4,100	
Exposed Struc: Steel	35%			LIFE	**	10	\$6,600	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2043	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2038	**			
On-Site Walkways								
Cast in Place Concrete	100%			2038	**			
Parking/Driveway								
Cast in Place Concrete	100%			2038	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2043	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2043	**	5	\$200	
Raceway								
Conduit	100%			2043	**	1		
Panelboards								
Molded Case Bkrs	100%			2049	**	5	\$200	
Wiring								
Thermoplastic	100%			2043	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 157/ LADDER CO. 80
Asset # : 13087

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	1%			2033	\$500	10	\$100	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen Area</i>								
LED	99%	Now	\$15,000	2038	**			
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : 10 Ballasts Are Defective</i>								
Egress Lighting								
Emergency, Battery	90%			2028	\$9,300	10	\$1,400	
Exit, Battery	10%			2033	\$900	10		
Exterior Lighting								
LED	20%	Now	\$3,300	2041	**			
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Building Perimeter</i>								
<i>Explanation : 6 Fixtures Are Not Operational</i>								
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2053	**	1		
Conversion Equipment								
Furnace	5%			2033	\$1,000	1	\$200	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : First Floor</i>								
<i>Explanation : Two Units</i>								
Steam Boiler	95%			2046	**	1	\$5,900	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Steam Piping/Pump	100%			2053	**			
Terminal Devices								
Convactor/Radiator	100%			2038	**	1	\$2,000	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Cast Iron Radiators With One Pipe System</i>								
Air Conditioning								
Energy Source Electricity	100%			2049	**	1		
Conversion Equipment								
Window/Wall Unit	50%			2031	\$11,600	1		
No Component	50%							

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FIRE DEPARTMENT - 057
ENGINE CO. 157/ LADDER CO. 80
Asset # : 13087

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
Exhaust Fans								
	Interior	30%			2038	**	2	\$100
	Roof	60%			2033	\$7,200	2	\$100
	Wall Unit	5%	4+	\$100	2043	**	2	
<i>Malfunctioning, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 1st Floor</i>								
	No Component	5%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2053	**	1	
Water Heater With Tanks								
	Gas Fired	100%			2031	\$33,400	2	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement Mechanical</i>								
<i>Explanation : Two Units - 74 Gallons / Hour Capacity</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%	Now	\$1,100	LIFE	**	1	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Explanation : Backs Up With Heavy Rain</i>								
Sump Pump(s)								
	Submersible	100%			2026	\$200	4	\$200
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System								
	Generic	100%			2031	\$95,600	1-3	\$89,300
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 1st Floor Kitchen Hood</i>								
<i>Explanation : 6 Feet Long, 24 Square Feet.</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 158
Address : 65 HARBOR RD
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.158 / 13088 **Yr Built/Renovated** : 1931 /
Area Sq Ft : 6,128 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Jul-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1227 **Lot** : 25 **BIN** : 5027755

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture		\$74,000
Total		\$74,000
Importance Code A		\$74,000
Total		\$74,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$37,600		\$600	
Interior Architecture	\$38,600	\$1,100		\$500
Electrical	\$200	\$200	\$3,000	\$200
Mechanical	\$1,300	\$1,000	\$28,900	\$1,200
Site Enclosure	\$4,000			
Site Pavements	\$7,500			
Total	\$89,200	\$2,300	\$32,600	\$1,800
Importance Code A	\$37,900	\$300	\$1,000	\$300
Importance Code B	\$30,000	\$1,400	\$31,600	\$1,500
Importance Code C	\$21,300	\$600		
Total	\$89,200	\$2,300	\$32,600	\$1,800



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 158
Asset # : 13088

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2051	**	10	\$300	
Masonry: Brick	80%	4+	\$27,800	LIFE	**	5	\$17,300	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : West Facade Below 2nd Floor Window Sill</i>								
Masonry: Granite	5%			LIFE	**	5	\$800	
Masonry: Limestone	5%	0-2	\$1,700	LIFE	**	5	\$800	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	5%	Now	\$3,000	2029	\$30,300	5	\$2,700	
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Main Apparatus Door</i>								
Windows								
Aluminum	100%	4+	\$4,000	2039	**	5	\$800	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Various Windows</i>								
Parapets								
Masonry: Brick	60%			LIFE	**	5	\$1,300	
Masonry: Limestone	25%			LIFE	**	5	\$700	
Metal Panel	15%			2041	**	5	\$1,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Parapet</i>								
<i>Explanation : Metal Coping</i>								
Roof								
Asphalt Shingle	15%			2034	**	10	\$200	
Modified Bitumen	83%			2031	\$74,000	10	\$6,900	
Skylight, Metal/Glass	2%	Now	\$900	2041	**			
<i>Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Missing Leader And Splash Block At Skylight</i>								
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$7,700	LIFE	**	5	\$10,200	
<i>Water Penetration, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Bottom Of Stairs To Basement</i>								
Ceramic Tile	10%			2040	**	5	\$900	
Vinyl Tile	40%			2036	**	3	\$1,900	

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 158
Asset # : 13088

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	20%	Now	\$17,600	LIFE	**			
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement At Front Of Building</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement At Front Of Building</i>								
Ceramic Tile	10%			2040	**	5	\$1,200	
Gypsum Board	5%			LIFE	**	5	\$400	
Plaster	30%	Now	\$1,700	LIFE	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Roof Hatch Area</i>								
Plywood/Hardboard	5%			LIFE	**			
SGFT/Glazed Masonry	30%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	5%			2029	\$7,000	5	\$400	
Exposed Struc: Concrete	30%	Now	\$7,600	LIFE	**	5	\$400	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Of Building In Basement</i>								
Plaster	65%	Now	\$3,300	LIFE	**	5	\$3,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Roof Hatch Area</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	**			
Retaining Walls								
Cast in Place Concrete	100%	Now	\$4,000	2051	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Yard</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$5,400	2036	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : By Curbside Water Valve Access Cover</i>								
On-Site Walkways								
Cast in Place Concrete	100%			2036	**			
Parking/Driveway								
Cast in Place Concrete	100%	Now	\$2,100	2036	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Driveway Apron At Apparatus Entrance</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2051	**	5		

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 158
Asset # : 13088

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	75%			2031	\$27,000	1		
Conduit	25%			2057	**	1		
Panelboards								
Molded Case Bkrs	100%			2053	**	5	\$200	
Wiring								
Thermoplastic	100%			2057	**	1		
Motor Controllers								
Locally Mounted	100%			2048	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2048	**	1	\$1,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Automatic Transfer Switch Room</i>								
<i>Explanation : An Automatic Transfer Switch Is Installed; However, A Generator Batteries And Fuel Were Never Installed</i>								
Lighting								
Interior Lighting								
Fluorescent	50%			2036	**	10	\$2,800	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	5%			2031	\$2,600	10	\$300	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Door</i>								
LED	45%			2036	**			
Egress Lighting								
Exit, LED	100%			2059	**	1		
Exterior Lighting								
HID	50%			2036	**	10		
LED	50%			2031	\$16,000			

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2057	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2048	**	1	\$3,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Hot Water Boiler Installed In 2017.</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 158
Asset # : 13088

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Hot Wtr Piping/Pump	100%			2039	**	4	\$300	
<i>Not Insulated, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Dissimilar Metals With No Barrier</i>								
Terminal Devices								
Convactor/Radiator	95%			2036	**	1	\$1,900	
Unit Heater - Hot Water	5%			2031	\$1,800			
Air Conditioning								
Energy Source								
Electricity	100%			2047	**	1		
Conversion Equipment								
Window/Wall Unit	80%			2026	\$18,100	1		
No Component	20%							
Ventilation								
Exhaust Fans								
Roof	70%			2036	**	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Exhaust Fans Installed In 2016.</i>								
Wall Unit	30%			2026	\$800	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	90%			2051	**	1		
<i>Not Insulated, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement</i>								
Galvanized Steel	10%			2036	**	1		
Water Heater With Tanks								
Gas Fired	100%			2030	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2017 Installation Of Water Heater.</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	50%			2024	\$100	4	\$100	
Submersible	50%			2024	\$100	4	\$100	
Backflow Preventer								
No Component	95%							
Generic	5%			2036	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 158
Asset # : 13088

Mechanical	Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing Fixtures Generic	100%							
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : 2017 Installation Of Bathroom Fixtures.</i>							
Fire Suppression Chemical System Wet	10%			2026	\$8,000	1-3	\$8,300	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Kitchen</i>							
	<i>Explanation : Protects Kitchen Cooking Range.</i>							
No Component	90%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 159
Address : 1592 RICHMOND ROAD
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.159 / 13089 **Yr Built/Renovated** : 1930 /
Area Sq Ft : 6,220 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Oct-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3306 **Lot** : 8 **BIN** : 5048682

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$77,400	
Interior Architecture	\$700,800	\$82,400
Electrical		\$63,500
Mechanical		\$59,800
Total	\$778,200	\$205,700
Importance Code A	\$77,400	\$63,500
Importance Code B	\$700,800	\$142,200
Total	\$778,200	\$205,700

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$26,200		\$4,000	
Interior Architecture	\$43,700		\$800	\$700
Electrical	\$1,200	\$200	\$300	\$300
Mechanical	\$16,200	\$9,800	\$5,200	\$5,100
Site Pavements	\$1,800			
Total	\$89,200	\$10,100	\$10,200	\$6,100
Importance Code A	\$26,900	\$600	\$4,600	\$600
Importance Code B	\$27,500	\$9,400	\$5,600	\$5,200
Importance Code C	\$34,800			\$300
Total	\$89,200	\$10,100	\$10,200	\$6,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 159
Asset # : 13089

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$77,400	LIFE	**	5	\$19,300	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Painted Surfaces, Extent : Light, Area Affected : 20%</i>								
<i>Location : Rear Yard Facade</i>								
Masonry: Granite	3%			LIFE	**	5	\$1,200	
Masonry: Limestone	7%			LIFE	**	5	\$2,700	
Metal Sect. OHD	10%			2046	**	5	\$8,000	
Stucco Cement	5%	Now	\$7,100	2038	**	5	\$1,600	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Hose Tower</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Hose Tower</i>								
Windows								
Aluminum	100%			2049	**	5	\$2,500	
Parapets								
Masonry: Brick	95%			LIFE	**	5-10	\$16,400	
<i>Painted Surfaces, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof Side Of Parapet Walls</i>								
Metal Panel	5%			2043	**	5	\$500	
Roof								
Modified Bitumen	95%	4+	\$1,900	2041	**			
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>								
<i>Location : Kitchen Area</i>								
Skylight, Metal/Glass	5%			2043	**	10	\$1,600	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$422,900	LIFE	**	5	\$11,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Apparatus Room</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus</i>								
<i>Explanation : Structurally Insufficient, Temporarily Shored With Steel Columns And Beams</i>								
Quarry Tile	10%			2046	**	5	\$1,500	
Terrazzo	10%			LIFE	**	5	\$1,600	
Vinyl Tile	30%	4+	\$8,200	2033	\$82,400	3	\$1,100	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Multiple Locations Throughout The 2nd Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 159
Asset # : 13089

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	4%			2042	**	5	\$600	
Gypsum Board	5%			LIFE	**	5-10	\$1,300	
Masonry: Brick	30%			LIFE	**	10	\$1,400	
Marble Panels	6%			LIFE	**	10	\$400	
Plaster	25%	Now	\$28,000	LIFE	**	5	\$1,200	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 40%</i>								
<i>Location : Cellar Stairs And Hose Shaft</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Several Of The Wood Doors Are Cracked And Worn</i>								
SGFT/Glazed Masonry	30%			LIFE	**	10	\$2,400	
Ceilings								
AcousTileSusp.Lay-In	10%	0-2	\$1,700	2038	**	5	\$500	
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Water Penetration, Extent : Light, Area Affected : 15%</i>								
<i>Location : 2nd Floor Steam Pipe Penetration</i>								
Exposed Struc: Concrete	30%	Now	\$223,500	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Basement</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Cellar Ceiling, Apparatus</i>								
<i>Explanation : Structurally Insufficient, Temporarily Shored With Steel Columns And Beams</i>								
Plaster	60%	Now	\$54,400	LIFE	**	5	\$3,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor</i>								
Site Enclosure								
Fence/Gates								
Chain Link	95%			2053	**			
Iron Picket	5%			2053	**			
Free Standing Walls								
Masonry: Brick	100%			2043	**			
Retaining Walls								
Cast in Place Concrete	100%			2053	**			
Site Pavements								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 159
Asset # : 13089

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046		**		
On-Site Walkways								
Cast in Place Concrete	100%			2046		**		
Parking/Driveway								
Cast in Place Concrete	100%	4+	\$1,800	2046		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Parking Area</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>								
Raceway								
Conduit	100%			2033	\$36,000	1		
Panelboards								
Fused Disc Sw	5%			2032	\$2,400	5		
Molded Case Bkrs	95%			2032	\$46,000	5	\$200	
Wiring								
Thermoplastic	100%			2033	\$32,500	1		
Motor Controllers								
Locally Mounted	100%			2031	\$17,800	5		
Ground								
Grounding Devices								
Generic	100%			LIFE		**	5	\$200
Lighting								
Interior Lighting								
LED	100%			2041		**		
Egress Lighting								
Emergency, Battery	60%			2028	\$6,100	10	\$900	
Exit, Service	40%			2028	\$1,000	1		
Exterior Lighting								
HID	20%			2028	\$5,700	10		
No Component	80%							
Alarm								
Security System								
Generic	100%			2038		**	1	\$2,300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<i>Explanation : Surveillance Cameras System</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 159
Asset # : 13089

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Steam Boiler	100%			2046	**	1	\$6,200	
Distribution								
Central Plant Steam Piping/Pmp	10%			2059	**	4		
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Cellar Mechanical Area</i>						
		<i>Explanation : Recently Installed With New Boiler</i>						
Central Plant Steam Piping/Pmp	90%			2043	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2046	**	1	\$2,000	
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		
Conversion Equipment								
Window/Wall Unit	60%	0-2	\$1,400	2031	\$13,800	1		
		<i>Malfunctioning, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Various Locations. 10 Percent Of The Window, Wall Unit Is Not Working</i>						
No Component	40%							
Ventilation								
Exhaust Fans								
Interior	100%			2038	**	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	30%			2053	**	1		
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Cellar Mechanical Area</i>						
		<i>Explanation : Installed With New Water Heater</i>						
Galvanized Steel	70%			2046	**	1		
Water Heater With Tanks								
Gas Fired	100%			2031		2	\$16,700	
Sanitary Piping								
Cast Iron	90%			LIFE	**	1		
Cast Iron	10%	0-2	\$7,700	LIFE	**	1		
		<i>Corroded, Extent : Severe, Area Affected : 10%</i>						
		<i>Location : Cellar</i>						
Storm Drain Piping								
Cast Iron	100%	0-2	\$2,100	LIFE	**	1		
		<i>Blockage /Clogged, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Clogged Drains In Basement. Occasional Sewage Backups</i>						
Sump Pump(s)								
Submersible	100%			2026	\$200	4	\$200	

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 159
Asset # : 13089

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
Fixtures									
	Generic	100%							
Fire Suppression									
Sprinkler									
	No Component	90%							
	Generic	10%			2053	* *	1-2	\$200	
Chemical System									
	Generic	100%			2031	\$59,800	1-3	\$55,800	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Kitchen</i>									
<i>Explanation : Kitchen Fire Suppression System. Dimension 3 Feet X 5 Feet</i>									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 16
Address : 234 EAST 29TH STREET @ 2ND AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.016 / 13012 **Yr Built/Renovated** : 1968 /
Area Sq Ft : 6,676 **Project Type** : FIRE DEPARTMENT
Date of Survey : 12-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 909 **Lot** : 35 **BIN** : 1019903

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Electrical		\$63,500
Total		\$63,500
Importance Code B		\$63,500
Total		\$63,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$37,400		\$11,700	\$200
Interior Architecture	\$9,800	\$800		\$500
Electrical		\$100	\$31,300	
Mechanical	\$10,100	\$1,300	\$4,300	\$1,300
Total	\$57,400	\$2,200	\$47,300	\$2,000
Importance Code A	\$44,300	\$300	\$12,100	\$600
Importance Code B	\$13,000	\$1,300	\$35,200	\$1,400
Importance Code C		\$600		
Total	\$57,400	\$2,200	\$47,300	\$2,000



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 16
Asset # : 13012

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$14,500	
Metal Sect. OHD	10%			2044	**	5	\$5,600	
Marble Panels	10%	4+	\$12,400	LIFE	**	5	\$1,400	
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Front Facade</i>								
<i>Explanation : Staining And Discoloring</i>								
Windows								
Aluminum	100%			2047	**	5	\$500	
Parapets								
Metal Rail	100%			2044	**	5-10	\$36,600	
Roof								
Modified Bitumen	100%			2036	**	10	\$11,700	
Soffits								
Cast in Place Concrete	100%			LIFE	**	5	\$2,500	
Interior								
Floors								
Cast in Place Concrete	50%	4+	\$8,600	LIFE	**	5	\$11,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
Ceramic Tile	5%			2040	**	5	\$500	
Quarry Tile	10%			2044	**	5	\$1,600	
Vinyl Tile	35%			2039	**	3	\$1,800	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Interior Walls								
Ceramic Tile	10%			2040	**	5	\$1,100	
Concrete Masonry Unit	10%			LIFE	**	5	\$500	
Plaster	40%			LIFE	**	5	\$1,400	
SGFT/Glazed Masonry	40%			LIFE	**			
Ceilings								
Exposed Struc: Concrete	75%			LIFE	**	5	\$1,200	
Plaster	25%			LIFE	**	5	\$1,600	
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor Corridor</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2036	**			
On-Site Walkways								
Cast in Place Concrete	100%			2044	**			
Parking/Driveway								
Cast in Place Concrete	100%			2036	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 16
Asset # : 13012

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2031	\$14,700	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2031	\$63,500	5		
Raceway								
Conduit	95%			2031	\$34,200	1		
Conduit	5%			2051	**	1		
Panelboards								
Fused Disc Sw	5%			2030	\$2,400	5		
Molded Case Bkrs	85%			2030	\$41,200	5	\$200	
Molded Case Bkrs	10%			2047	**	5		
Wiring								
Thermoplastic	95%			2031	\$30,900	1		
Thermoplastic	5%			2051	**	1		
Motor Controllers								
Locally Mounted	100%			2029	\$17,800	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
LED	100%			2036	**			
Egress Lighting								
Emergency, Battery	50%			2036	**	10	\$800	
Exit, LED	50%			2046	**	1		
Exterior Lighting								
HID	100%			2026	\$30,400	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2051	**	1		
Conversion Equipment								
Hot Water Boiler	100%	0-2	\$6,900	2036	**	1	\$3,000	
<i>Leak Evident, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement. Leaking Observed Under Boiler Due To Internal Piping Fitting Or Crack</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 16
Asset # : 13012

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Hot Wtr Piping/Pump	100%			2047	**	4	\$300	
Terminal Devices								
Convactor/Radiator	90%			2044	**	1	\$1,900	
Unit Heater - Steam	10%			2031	\$3,700	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2047	**	1		
Conversion Equipment								
Interior Pkg Unit - Cooling	20%			2032	\$20,600	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Locker Room</i>						
		<i>Explanation : 1 Unit Serving Locker Room And Bunker Room</i>						
Window/Wall Unit	75%			2029	\$18,500	1		
Window/Wall Unit	5%	0-2	\$500	2026	\$1,200	1		
		<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Kitchen Area. The Window Wall Unit Not Working Due To Mechanical, Electrical Defects</i>						
Heat Rejection								
Air Cooled Condenser Unit	100%			2036	**	2	\$4,700	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 1 Unit For The Package Unit At Locker Room</i>						
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$400	
No Component	90%							
Exhaust Fans								
Interior	60%			2036	**	2	\$100	
Roof	40%	0-2	\$1,000	2036	**	2	\$100	
		<i>Controller Not Working, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Roof. Female Bathroom Exhaust Fan Continously Working. Unit Cannot Be Controlled</i>						
		<i>Malfunctioning, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Roof. Two Bathroom Exhasust Fans Out Of Service Due To Defective Motor</i>						
Plumbing								
H/C Water Piping								
Brass/Copper	75%			2051	**	1		
Galvanized Steel	25%			2044	**	1		
Water Heater With Tanks								
Gas Fired	100%			2029	\$16,700	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 Units 74 Gallon With Pump</i>						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 16
Asset # : 13012

Mechanical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Plumbing							
Sanitary Piping Cast Iron	100%			LIFE	**	1	
Storm Drain Piping Cast Iron	100%			LIFE	**	1	
Sump Pump(s) Submersible	100%			2025	\$200	4	\$200
Fixtures Generic	100%						
Fire Suppression							
Chemical System Wet	10%			2029	\$8,000	1-3	\$8,300
No Component	90%						

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 160/ RESCUE 5
Address : 1850 CLOVE ROAD @ TARGEE ST.
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.160 / 13090 **Yr Built/Renovated** : 1913 / 2006
Area Sq Ft : 8,077 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Oct-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3153 **Lot** : 38 **BIN** : 5046179

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture	\$1,104,900	
Electrical		\$63,500
Mechanical	\$221,800	\$59,800
Total	\$1,326,700	\$123,300
Importance Code B	\$1,258,400	\$123,300
Importance Code C	\$68,300	
Total	\$1,326,700	\$123,300

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$49,300		\$6,800	
Interior Architecture	\$43,300		\$800	\$1,700
Electrical	\$1,100	\$900	\$3,300	\$1,000
Mechanical	\$9,400	\$10,100	\$5,600	\$5,300
Site Enclosure	\$6,200			
Site Pavements	\$2,500			
Total	\$111,800	\$11,000	\$16,500	\$7,900
Importance Code A	\$50,100	\$800	\$7,600	\$800
Importance Code B	\$44,400	\$10,200	\$8,900	\$6,200
Importance Code C	\$17,400			\$900
Total	\$111,800	\$11,000	\$16,500	\$7,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 160/ RESCUE 5
Asset # : 13090

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	10%			2053	**	10	\$900	
Masonry: Brick	70%			LIFE	**	5	\$40,700	
Masonry: Granite	3%			LIFE	**	5	\$1,300	
Masonry: Limestone	8%			LIFE	**	5	\$3,500	
Metal Panel	2%			2043	**	5-10	\$4,000	
Metal Sect. OHD	7%			2038	**	5	\$6,400	
Windows								
Aluminum	100%	Now	\$7,300	2049	**	5	\$1,600	
<i>Weather Strip Missing, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Missing Insect Screens</i>								
Parapets								
Cast Stone/Terra Cotta	20%	Now	\$5,500	LIFE	**	5	\$4,800	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	60%			LIFE	**	5-10	\$12,700	
Metal Rail	20%			2046	**	5-10	\$11,200	
Roof								
Asphalt Shingle	10%			2042	**	10	\$200	
Built-Up (BUR)	50%	0-2	\$2,900	2038	**			
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Modified Bitumen	40%			2038	**	10	\$4,000	
Soffits								
Alum/Vinyl Siding	60%			2053	**	10		
Masonry: Limestone	40%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$23,400	
Ceramic Tile	7%	0-2	\$1,000	2036	**	5	\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 1st Floor Apparatus Area</i>								
Quarry Tile	8%			2046	**	5	\$1,600	
Vinyl Tile 9" X 9"	45%	Now	\$1,036,500	2043	**	3	\$2,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
<i>Patching Evident, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Uneven Substrate, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Office</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 160/ RESCUE 5
Asset # : 13090

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	10%			2042	**	5	\$1,800	
Gypsum Board	23%			LIFE	**	5-10	\$7,200	
Masonry: Brick	40%	Now	\$68,300	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Truck Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Plaster	25%			LIFE	**	5-10	\$3,900	
Wood	2%			LIFE	**	5	\$2,900	
Ceilings								
AcousTileSusp.Lay-In	40%	Now	\$1,700	2046	**	5	\$2,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor Ceiling, Multiple Locations</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 2%</i>								
<i>Location : 2nd Floor Engine Office</i>								
Exposed Struc: Steel	20%			LIFE	**	10	\$5,300	
Gypsum Board	10%			LIFE	**	5-10	\$4,600	
Plaster	30%	Now	\$11,900	LIFE	**	5	\$2,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Bunkroom And Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Office, Bunkroom And Throughout</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout 2nd Floor</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2053	**			
Free Standing Walls								
Masonry: Brick	100%	Now	\$6,200	2043	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Yard</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	**			
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$2,500	2046	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Rear Yard</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2046	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 160/ RESCUE 5
Asset # : 13090

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2033	\$14,700	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two 200 Ampere Main Disconnect Switches</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
Raceway								
Conduit	100%			2033	\$36,000	1		
Panelboards								
Fused Disc Sw	5%			2032	\$2,400	5		
Molded Case Bkrs	95%			2032	\$46,000	5	\$200	
Wiring								
Thermoplastic	100%			2033	\$32,500	1		
Motor Controllers								
Locally Mounted	100%			2031	\$17,800	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2038	**	1	\$2,500	
Generators								
Diesel	100%			2036	**	1	\$3,100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 83 Kilovolt Ampere</i>						
Batteries								
Lead/Acid	100%			2026	\$2,400	5	\$300	
Fuel Storage								
Day Tank	100%			2041	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 75 Gallons</i>						
Lighting								
Interior Lighting								
Fluorescent	5%			2033	\$3,400	10	\$400	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Incandescent	5%			2028	\$4,900	2		
LED	90%			2041	**			
Egress Lighting								
Emergency, Service	50%			2033	\$2,400	1		
No Component	50%							

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FIRE DEPARTMENT - 057
ENGINE CO. 160/ RESCUE 5
Asset # : 13090

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting

HID	5%			2028	\$1,800	10	
LED	15%			2041	**		
No Component	80%						

Alarm

Security System

Generic	100%			2038	**	1	\$3,000
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Exterior**Explanation : Surveillance Cameras System*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas	100%			2053	**	1	
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Conversion Equipment

Steam Boiler	100%			2038	**	1	\$8,000
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Distribution

Central Plant Steam Piping/Pmp	100%	0-2	\$221,800	2063	**	4	\$400
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*Controller Not Working, Extent : Severe, Area Affected : 100%**Location : Various. Defective Temperature Control System*

Terminal Devices

Convactor/Radiator	100%			2046	**	1	\$2,600
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Air Conditioning

Energy Source

Electricity	100%			2049	**	1	
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Conversion Equipment

Window/Wall Unit	60%			2031	\$17,900	1	
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No Component	40%						
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Ventilation

Distribution

Ductwork/Diffusers	50%			LIFE	**	2-5	\$3,600
No Component	50%						

Exhaust Fans

Roof	50%			2038	**	2	\$100
Wall Unit	50%			2038	**	2	\$100

Plumbing

H/C Water Piping

Brass/Copper	20%			2053	**	1	
Galvanized Steel	80%			2046	**	1	

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*** Replacement cost estimated to be beyond ten years is not included in this report.*

**FIRE DEPARTMENT - 057
ENGINE CO. 160/ RESCUE 5
Asset # : 13090**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Water Heater With Tanks Gas Fired	100%			2031	\$33,400	2		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Cellar Mechanical Room</i>								
<i>Explanation : Two 75 Gallon Heaters</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%	0-2	\$2,800	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement. Clogged Drain</i>								
Backflow Preventer Generic	100%			2038	**	1	\$500	
Fire Suppression								
Sprinkler								
No Component Generic	90%			2059	**	1-2	\$200	
Chemical System Generic	100%			2031	\$59,800	1-3	\$55,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen Fire Suppression</i>								
<i>Explanation : Kitchen Fire Suppression System. Dimension 3 Feet X 5 Feet</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 161
Address : 278 McCLEAN AVENUE
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.161 / 13091 **Yr Built/Renovated** : 1931 /
Area Sq Ft : 6,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 23-Feb-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3108 **Lot** : 25 **BIN** : 5045654

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$315,200	\$77,800
Interior Architecture	\$1,140,200	\$84,800
Mechanical		\$119,500
Total	\$1,455,400	\$282,100
Importance Code A	\$315,200	\$77,800
Importance Code B	\$1,030,200	\$204,300
Importance Code C	\$110,000	
Total	\$1,455,400	\$282,100

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$72,300			
Interior Architecture	\$65,700			\$1,000
Electrical	\$300	\$200	\$300	\$300
Mechanical	\$45,200	\$23,300	\$9,000	\$9,200
Site Enclosure	\$17,100			
Total	\$200,600	\$23,600	\$9,300	\$10,500
Importance Code A	\$72,900	\$600	\$600	\$600
Importance Code B	\$89,300	\$23,000	\$8,700	\$9,300
Importance Code C	\$38,400			\$600
Total	\$200,600	\$23,600	\$9,300	\$10,500



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 161
Asset # : 13091

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2053	**	10	\$400	
Masonry: Brick	65%	Now	\$131,500	LIFE	**	5	\$16,300	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : McClean Avenue Facade Lintels</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Facade, Bulkhead Sidewalls</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout All Elevations</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout, Bulkheads</i>								
Masonry: Granite	5%	0-2	\$4,800	LIFE	**	5	\$900	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : McClean Avenue Elevation</i>								
Masonry: Limestone	10%	0-2	\$9,700	LIFE	**	5	\$1,900	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Front Facade</i>								
Stucco Cement	7%	Now	\$97,400	2053	**	5	\$2,200	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Hose Tower</i>								
<i>Diagonal Cracks, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Hose Tower Down To 2nd Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Hose Tower</i>								
Wood Overhead Doors	8%			2038	**	5	\$10,100	
Windows								
Aluminum	100%	0-2	\$86,400	2058	**	5	\$900	
<i>Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	15%	Now	\$14,900	LIFE	**	5	\$2,200	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : All Parapet Elevations</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Copings</i>								
Masonry: Brick	85%	Now	\$19,600	LIFE	**	5	\$1,600	
<i>Diagonal Cracks, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Parapet</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 161
Asset # : 13091

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Roof									
Asphalt Shingle	20%			2042	**	10	\$300		
Built-Up (BUR)	80%	Now	\$23,300	2028	\$77,800				
<i>Alligatoring, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
<i>Blisters, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Throughout</i>									
<i>Debris on Roof, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Throughout Roof</i>									
<i>Grvl/Blst Miss/Disp, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Throughout</i>									
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 33%</i>									
<i>Location : Throughout</i>									
Soffits									
Alum/Vinyl Siding	100%			2053	**	10			
Interior									
Floors									
Cast in Place Concrete	50%	Now	\$373,000	LIFE	**	5	\$9,800		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>									
<i>Location : Cellar, Multiple Locations</i>									
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Apparatus</i>									
<i>Explanation : Floor Is Temporarily Shored To Carry Truck Load, Repair Or Replacement Is Required</i>									
Quarry Tile	10%			2038	**	5	\$1,300		
Terrazzo	5%			LIFE	**	5	\$700		
Vinyl Tile	35%	Now	\$25,400	2033	\$84,800	3	\$1,200		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Throughout 2nd Floor</i>									
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Throughout 2nd Floor</i>									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 161
Asset # : 13091

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	20%	Now	\$110,000	LIFE		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Basement</i>								
Ceramic Tile	10%			2042	**	5	\$1,200	
Gypsum Board	5%	Now	\$1,700	LIFE	**	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Basement</i>								
Masonry: Brick	5%			LIFE	**	10	\$200	
Marble Panels	5%			LIFE	**	10	\$200	
Plaster	30%	Now	\$17,600	LIFE	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 33%</i>								
<i>Location : Bulkhead/ Hose Tower</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 80%</i>								
<i>Location : Roof Bulkhead/ Hose Tower</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor Hallway Adjacent To The Bathroom, Stairs, Captains Office And Locker Room</i>								
SGFT/Glazed Masonry	25%			LIFE	**	10	\$1,500	
Ceilings								
AcousTileSusp.Lay-In	15%			2038	**	5	\$1,300	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout 2nd Floor</i>								
Exposed Struc: Concrete	50%	Now	\$657,100	LIFE	**	5	\$700	
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Cellar</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Structure Is Temporarily Shored With Steel Columns To Carry Truck Load, Repair Or Replacement Is Required.</i>								
Plaster	35%	Now	\$18,700	LIFE	**	5	\$2,000	
<i>Paint Peeling, Extent : Light, Area Affected : 30%</i>								
<i>Location : Hose Tower</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Hallway Adjacent To The Locker Room And Hose Tower</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$17,100	2053	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout West Side</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout West Side</i>								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 161
Asset # : 13091

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2046	**			
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On-Site Walkways

Cast in Place Concrete	100%			2046	**			
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Parking/Driveway

Cast in Place Concrete	100%			2046	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2033	\$14,700	5		
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*Enclosure Corroded, Extent : Moderate, Area Affected : 100%**Location : Basement**Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 200 Ampere Main Disconnect Switch*

Raceway

Conduit	100%			2033	\$36,000	1		
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Panelboards

Fused Disc Sw	5%			2032	\$2,400	5		
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Molded Case Bkrs	95%			2032	\$46,000	5	\$200	
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Wiring

Thermoplastic	100%			2033	\$32,500	1		
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Motor Controllers

Locally Mounted	100%			2031	\$17,800	5		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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Lighting

Interior Lighting

LED	70%			2038	**			
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LED	30%			2041	**			
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Egress Lighting

Emergency, Service	50%			2041	**	1		
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Exit, Battery	50%			2038	**	10	\$200	
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Exterior Lighting

LED	20%			2041	**			
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No Component	80%							
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Lightning Protection

Arresters/Cabling

Generic	100%			2036	**	5	\$100	
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Alarm

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 161
Asset # : 13091

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Security System
Generic

100%
2041 * * 1 \$2,200
Other Observation, Extent : Moderate, Area Affected : 100%
Location : Exterior
Explanation : Cameras Security System

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100% 2059 * * 1

Conversion Equipment

Steam Boiler

100% 2046 * * 1 \$5,900
Other Observation, Extent : Light, Area Affected : 100%
Location : Basement
Explanation : 1 Unit

Distribution

Central Plant Steam
Piping/Pmp

100% 0-2 \$8,200 2053 * * 4 \$300
Leak Evident, Extent : Moderate, Area Affected : 5%
Location : Steam Leaking In Basement

Terminal Devices

Convector/Radiator

100% 2038 * * 1 \$1,900

Air Conditioning

Energy Source

Electricity

100% 2055 * * 1

Conversion Equipment

Split Unit

20% 0-2 \$27,800 2043 * *
Malfunctioning, Extent : Moderate, Area Affected : 100%
Location : Kitchen Split Unit Is Not Working

Window/Wall Unit

60% 2031 \$13,300 1

No Component

20%

Ventilation

Exhaust Fans

Interior

90% 2028 \$23,400 2 \$200

Roof

10% 2038 * * 2

Plumbing

H/C Water Piping

Brass/Copper

20% 2053 * * 1

Galvanized Steel

80% 2038 * * 1

Water Heater With Tanks

Gas Fired

100% 2031 \$16,700 2
Other Observation, Extent : Light, Area Affected : 100%
Location : Cellar
Explanation : One 75 Gallon Heater

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 161
Asset # : 13091

Mechanical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Submersible	100%			2027	\$200	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System Wet	100%			2031	\$119,500	1-3	\$125,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set Over Range 30 Square Feet</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 162/ LADDER CO. 82/ BATTALION 23
Address : 256 NELSON AVENUE
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.162 / 13092 **Yr Built/Renovated** : 1928 /
Area Sq Ft : 8,429 **Project Type** : FIRE DEPARTMENT
Date of Survey : 23-Dec-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5271 **Lot** : 31 **BIN** : 5067428

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture	\$197,100	
Electrical		\$127,900
Mechanical		\$83,700
Total	\$197,100	\$211,500
Importance Code A		\$63,500
Importance Code B	\$197,100	\$148,000
Total	\$197,100	\$211,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$50,000		\$4,400	
Interior Architecture	\$30,600		\$1,100	
Electrical	\$900	\$600	\$600	\$3,100
Mechanical	\$20,900	\$16,900	\$6,800	\$6,900
Site Pavements	\$5,800			
Total	\$108,200	\$17,500	\$12,900	\$10,000
Importance Code A	\$50,800	\$800	\$5,200	\$800
Importance Code B	\$37,600	\$16,700	\$7,300	\$9,200
Importance Code C	\$19,800		\$400	
Total	\$108,200	\$17,500	\$12,900	\$10,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 162/ LADDER CO. 82/ BATTALION 23
Asset # : 13092

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%	Now	\$2,500	2053	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout Back Room</i>								
Masonry: Brick	75%			LIFE	**	5	\$39,100	
Masonry: Granite	5%			LIFE	**	5	\$2,000	
Masonry: Limestone	5%			LIFE	**	5	\$2,000	
Metal Sect. OHD	10%			2046	**	5	\$8,100	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Door Track Damaged</i>								
Windows								
Aluminum	100%	Now	\$5,900	2041	**	5	\$1,300	
<i>Crtrwt/Balnc Not Funct, Extent : Light, Area Affected : 5%</i>								
<i>Location : Offices And Bunk Room</i>								
Parapets								
Masonry: Brick	80%			LIFE	**	5-10	\$16,000	
Masonry: Limestone	20%			LIFE	**	5-10	\$7,100	
Roof								
Asphalt Shingle	15%			2036	**	10	\$300	
Modified Bitumen	85%			2043	**	10	\$10,800	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$104,800	LIFE	**	5	\$13,800	
<i>Recent Repair Evident, Extent : N/A, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%	4+	\$3,500	2042	**	5	\$300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Toilet Rooms</i>								
Quarry Tile	5%			2038	**	5	\$900	
Vinyl Tile	40%			2038	**	3	\$1,900	
Interior Walls								
Cast in Place Concrete	10%	4+	\$6,400	LIFE	**			
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement Walls</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Stair, Front Basement Wall</i>								
Ceramic Tile	5%			2036	**	5	\$900	
Plaster	52%			LIFE	**	5-10	\$7,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Hose Tower And Offices</i>								
Plywood/Hardboard	3%			LIFE	**	10	\$100	
SGFT/Glazed Masonry	30%			LIFE	**	10	\$2,600	

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 162/ LADDER CO. 82/ BATTALION 23
Asset # : 13092

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	5%			2038	**	5	\$600	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Exposed Struc: Concrete	25%	Now	\$92,300	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Exercise Room</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Apparatus Slab Is Not Designed For Current Loads Which Needs To Be Replaced</i>								
Plaster	70%	Now	\$13,100	LIFE	**	5	\$5,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Offices</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2053	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	**			
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$5,800	2046	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Side And Rear Of Building</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2046	**			
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								
Raceway								
Conduit	100%			2033	\$36,000	1		
Panelboards								
Fused Disc Sw	5%			2032	\$2,400	5		
Molded Case Bkrs	30%			2032	\$14,500	5	\$100	
Molded Case Bkrs	65%			2032	\$31,500	5	\$100	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 162/ LADDER CO. 82/ BATTALION 23
Asset # : 13092

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Wiring								
Thermoplastic	50%			2043	**	1		
Thermoplastic	50%			2033	\$16,300	1		
Motor Controllers								
Locally Mounted	100%			2031	\$17,800	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2046	**	1	\$2,600	
Generators								
Diesel	100%			2042	**	1	\$3,300	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : One 60 Kilowatts, 75 Kilovolt Amperes</i>					
Batteries								
Lead/Acid	100%			2027	\$2,400	5	\$300	
Fuel Storage								
Day Tank								
	30%			2049	**	5		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : One 109 Gallon Tank</i>					
Main Tank								
	70%			2036	**	5		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : One 550 Gallon Tank</i>					
Lighting								
Interior Lighting								
Fluorescent								
	90%			2033	\$64,400	10	\$7,000	
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
Incandescent								
	4%			2028	\$4,100	2		
LED								
	6%			2041	**			
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : LED Light</i>					
Egress Lighting								
Emergency, Service								
	50%			2028	\$2,500	1		
Exit, Service								
	50%			2028	\$1,800	1		
Exterior Lighting								
HID	20%			2028	\$7,700	10		
No Component	80%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 162/ LADDER CO. 82/ BATTALION 23
Asset # : 13092

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Steam Boiler	100%			2038	**	1	\$8,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Low Pressure Steam</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%	Now	\$11,600	2043	**	4	\$400	
<i>Controller Not Working, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Chief Office</i>								
Terminal Devices								
Convactor/Radiator	100%			2038	**	1	\$2,700	
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		
Conversion Equipment								
Window/Wall Unit	70%	Now	\$2,200	2028	\$21,800	1		
<i>Broken, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Bunker Room, Chief Office</i>								
No Component	30%							
Ventilation								
Exhaust Fans								
Wall Unit	100%			2033	\$3,600	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2043	**	1		
Water Heater With Tanks								
Gas Fired	100%			2028	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallon Unit And Hot Water For Kitchen</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%	Now	\$100	2024	\$300	4	\$200	
<i>Malfunctioning, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Backflow Preventer								
No Component	95%							
Generic	5%			2038	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 162/ LADDER CO. 82/ BATTALION 23
Asset # : 13092

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing	Fixtures							
	Generic	100%						
<i>Leaking Connections, Extent : Severe, Area Affected : 20%</i>								
<i>Location : All Bathrooms</i>								
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Bathrooms</i>								
<i>Explanation : Chrome Flushometer Connector Is Rusted</i>								
Fire Suppression	Chemical System							
	Wet	100%			2031	\$83,700	1-3	\$87,500
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Serves Cooking Area Only, 21 Square Feet.</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 163/ LADDER 83
Address : 875 JEWETT AVENUE
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.163 / 13093 **Yr Built/Renovated** : 1932 /
Area Sq Ft : 8,408 **Project Type** : FIRE DEPARTMENT
Date of Survey : 19-Nov-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Floors 1,2
Block : 377 **Lot** : 18 **BIN** : 5010816

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture	\$110,500	
Electrical		\$63,500
Mechanical		\$67,200
Total	\$110,500	\$130,700
Importance Code B	\$110,500	\$130,700
Total	\$110,500	\$130,700

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$94,100	\$3,800		
Interior Architecture	\$76,600	\$1,000	\$1,400	\$2,600
Electrical	\$600	\$600	\$3,200	\$2,500
Mechanical	\$2,800	\$2,000	\$1,700	\$27,500
Site Enclosure	\$5,400			
Total	\$179,500	\$7,300	\$6,300	\$32,600
Importance Code A	\$94,900	\$4,600	\$800	\$900
Importance Code B	\$52,100	\$2,700	\$4,700	\$31,700
Importance Code C	\$32,500		\$800	
Total	\$179,500	\$7,300	\$6,300	\$32,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 163/ LADDER 83
Asset # : 13093

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	0-2	\$31,000	LIFE	**	5	\$19,300	
<i>Efflorescence, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front Facade Window Headers</i>								
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Facade, Right Side Facade, Near Front</i>								
Masonry: Granite	10%			LIFE	**	5	\$1,800	
Metal Sect. OHD	10%			2045	**	5	\$7,500	
Windows								
Aluminum	100%			2048	**	5	\$2,300	
Parapets								
Cast Stone/Terra Cotta	15%	0-2	\$3,200	LIFE	**	5	\$2,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Perimeter At Various Location</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Lime Stone Coping</i>								
Masonry: Brick	85%	0-2	\$25,100	LIFE	**	5	\$2,000	
<i>Miss/Damaged Flashings, Extent : Light, Area Affected : 10%</i>								
<i>Location : Perimeter At Various Location</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front And Street Side Facades</i>								
<i>Explanation : Stone Cornice Band Staining And Spalling</i>								
Roof								
Modified Bitumen	100%	0-2	\$34,800	2040	**			
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Ponding, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$47,500	LIFE	**	5	\$12,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor Near Overhead Doors</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Cellar Front</i>								
<i>Other Observation, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Apparatus Room</i>								
<i>Explanation : Structurally Insufficient. Temporary Shoring At Basement Level</i>								
Ceramic Tile	10%			2041	**	5	\$1,100	
Quarry Tile	5%	Now	\$2,100	2037	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Sheet Vinyl/Rubber	30%			2037	**	5	\$5,100	
Terrazzo	5%			LIFE	**	5	\$400	

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 163/ LADDER 83
Asset # : 13093

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	10%	Now	\$23,400	LIFE		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Stair</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Weight Room, Basement</i>								
Ceramic Tile	10%			2041	**	5	\$1,600	
Concrete Masonry Unit	25%			LIFE	**	5	\$1,600	
Marble Panels	10%			LIFE	**			
Plaster	20%	0-2	\$3,700	LIFE	**	5	\$900	
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Sleeping Area</i>								
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	17%			2045	**	5	\$1,900	
Exposed Struc: Concrete	33%	Now	\$110,500	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Structurally Insufficient. Temporary Shoring At Basement</i>								
Plaster	50%			LIFE	**	5	\$3,600	
Site Enclosure								
Fence/Gates								
Chain Link	75%	Now	\$4,000	2062	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Impact Damage, Extent : Light, Area Affected : 5%</i>								
<i>Location : South Side</i>								
Iron Picket	25%	0-2	\$1,400	2067	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 20%</i>								
<i>Location : Side Elevation On The Street Side</i>								
Retaining Walls								
Cast in Place Concrete	100%			2067	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2045	**			
On-Site Walkways								
Cast in Place Concrete	100%			2045	**			

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Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 163/ LADDER 83
Asset # : 13093

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Parking/Driveway

Cast in Place Concrete	100%			2045		**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2032	\$14,700	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 400 Ampere Main Disconnect Switch*

Switchgear / Switchboard

Molded Case Bkrs	100%			2032	\$63,500	5	\$200	
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Raceway

Conduit	100%			2032	\$36,000	1		
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Panelboards

Fused Disc Sw	5%			2031	\$2,400	5		
Molded Case Bkrs	95%			2031	\$46,000	5	\$200	

Wiring

Thermoplastic	100%			2032	\$32,500	1		
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Motor Controllers

Locally Mounted	100%			2030	\$17,800	5	\$100	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Stand-by Power

Transfer Switches

Automatic	100%			2045	**	1	\$2,600	
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Generators

Diesel	100%			2041	**	1	\$3,300	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside The Building**Explanation : 60 Kilowatt*

Batteries

Lead/Acid	100%			2026	\$2,400	5	\$300	
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Fuel Storage

Day Tank	100%			2048	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside The Building**Explanation : 125 Gallons Design Capacity And 112.5 Working Capacity*

Lighting

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FIRE DEPARTMENT - 057
ENGINE CO. 163/ LADDER 83
Asset # : 13093

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	60%			2032	\$42,800	10	\$4,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement And 1st Floor</i>								
LED	40%			2040	**			
Egress Lighting								
Emergency, Service	50%			2040	**	1		
Exit, Service	50%			2027	\$1,800	1		
Exterior Lighting								
LED	20%			2040	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2052	**	1		
Conversion Equipment Steam Boiler	100%			2045	**	1	\$8,300	
Distribution Steam Piping/Pump	100%			2042	**			
Terminal Devices Convactor/Radiator	100%			2030	\$67,200	1	\$2,700	
<i>On Extended Life, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building, Seventy Percentage Of All Radiators Are Original With The Building</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Insufficient Heat, Radiators Are Not Properly Distributing Heat Due To Age, Deterioration, And Orientation.</i>								
Air Conditioning								
Energy Source Electricity	100%			2048	**	1		
Conversion Equipment Window/Wall Unit	80%			2027	\$24,900	1		
<i>Recent Installation, Extent : N/A, Area Affected : 50%</i>								
<i>Location : Recently Replaced Some Window Air Conditions</i>								
No Component	20%							
Ventilation								
Exhaust Fans Roof	40%			2032	\$6,400	2	\$100	
Wall Unit	60%			2032	\$2,100	2	\$200	
Plumbing								
H/C Water Piping Brass/Copper	100%			2042	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 163/ LADDER 83
Asset # : 13093

Mechanical System Component Type	Current Repair			Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Water Heater With Tanks Gas Fired	100%			2030	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Unit</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
<i>On Extended Life, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Throughout, Twenty Percent Partially Repaired, Eighty Percent Sanitary Piping Are On Extendent Life, Corroded And Original With The Building.</i>								
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Submersible	100%			2025	\$300	4	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Pump</i>								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System Wet	10%	Now	\$1,600	2030	\$8,000	1-3	\$7,800	
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Chemical Fire Suppression Nozzle Has Removed From Kitchen Burners</i>								
No Component	90%							

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 164/ LADDER CO. 84
Address : 1570 DRUMGOOLE ROAD W. @ ELLSWORTH AVE.
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.164 / 13094 **Yr Built/Renovated** : 1937 / 2003
Area Sq Ft : 5,504 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Nov-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Floors 1,2
Block : 6828 **Lot** : 65 **BIN** : 5083491

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture	\$253,900	
Site Enclosure		\$72,600
Total	\$253,900	\$72,600
Importance Code C	\$253,900	\$72,600
Total	\$253,900	\$72,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$65,200			\$5,800
Interior Architecture	\$86,400	\$700	\$200	
Electrical	\$400	\$400	\$2,900	\$3,700
Mechanical	\$3,000	\$1,800	\$1,600	\$2,600
Site Enclosure	\$1,600			
Site Pavements	\$18,600			
Total	\$175,200	\$2,900	\$4,700	\$12,000
Importance Code A	\$65,700	\$500	\$500	\$6,300
Importance Code B	\$102,200	\$2,300	\$4,200	\$5,700
Importance Code C	\$7,200			
Total	\$175,200	\$2,900	\$4,700	\$12,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 164/ LADDER CO. 84
Asset # : 13094

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%			LIFE	**	5	\$17,300	
Masonry: Granite	5%			LIFE	**	5	\$900	
Masonry: Limestone	10%			LIFE	**	5	\$1,700	
Wood Overhead Doors	10%			2037	**	5	\$11,500	
Windows								
Aluminum	100%	0-2	\$19,800	2048	**	5	\$1,100	
<i>Caulking Deteriorated, Extent : Light, Area Affected : 20%</i>								
<i>Location : Rear And Front Facade</i>								
Roof								
Asphalt Shingle	100%	Now	\$11,200	2041	**			
<i>Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Over Office, Locker Room And Sleeping Area</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Soffits								
Wood	100%	0-2	\$34,200	2037	**	5	\$6,700	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Perimeter Soffits</i>								
Interior								
Floors								
Cast in Place Concrete	60%	Now	\$49,600	LIFE	**	5	\$13,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 1st Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Apparatus Slab Is Original And Does Not Carry Current Loads. Temporary Shoring At Basement</i>								
Ceramic Tile	5%			2041	**	5	\$500	
Quarry Tile	5%			2045	**	5	\$700	
Terrazzo	5%			LIFE	**	5	\$400	
Vinyl Tile	25%			2037	**	3	\$900	

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FIRE DEPARTMENT - 057
ENGINE CO. 164/ LADDER CO. 84
Asset # : 13094

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	25%	Now	\$253,900	LIFE	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout Basement Walls</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Gypsum Board	5%			LIFE	**	5	\$400	
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rear Of Gymnasium</i>								
Plaster	35%	Now	\$5,700	LIFE	**	5	\$1,400	
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Sleeping Area And Locker Room</i>								
SGFT/Glazed Masonry	35%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	15%	0-2	\$1,200	2045	**	5	\$700	
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen Area</i>								
Exposed Struc: Concrete	30%	Now	\$21,800	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout Basement</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Plaster	55%	Now	\$8,100	LIFE	**	5	\$3,400	
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Sleeping Area And Locker Room</i>								
Site Enclosure								
Fence/Gates								
Chain Link	50%	Now	\$1,600	2042	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Rear Fence</i>								
<i>Impact Damage, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Gate And Fence</i>								
Wood	50%			2033			\$72,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Yard</i>								
<i>Explanation : Vinyl Fence</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$18,600	2037	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Curb Cut</i>								
On-Site Walkways								
Cast in Place Concrete	100%			2045	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 164/ LADDER CO. 84
Asset # : 13094

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Site Pavements								
Parking/Driveway Asphalt	100%			2041	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Fire Department Parking Lot</i>								
<i>Explanation : Located Across Street From Firehouse</i>								
Activity Yard								
Cast in Place Concrete	100%			2045	**			
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2032	\$14,700	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>								
Raceway								
Conduit	95%			2032	\$34,200	1		
Conduit	5%			2052	**	1		
Panelboards								
Fused Disc Sw	4%			2031	\$1,900	5		
Fused Disc Sw	1%			2048	**	5		
Molded Case Bkrs	35%			2031	\$17,000	5	\$100	
Molded Case Bkrs	60%			2048	**	5	\$100	
Wiring								
Thermoplastic	40%			2032	\$13,000	1		
Thermoplastic	60%			2052	**	1		
Motor Controllers								
Locally Mounted	100%			2030	\$17,800	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2045	**	1	\$1,700	
Generators								
Diesel	100%			2041	**	1	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Outside</i>								
<i>Explanation : One 60 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2026	\$2,400	5	\$200	

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FIRE DEPARTMENT - 057
ENGINE CO. 164/ LADDER CO. 84
Asset # : 13094

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Fuel Storage								
Day Tank	100%			2048	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside The Building</i>								
<i>Explanation : 130 Gallons</i>								
Lighting								
Interior Lighting								
Incandescent	5%			2027	\$3,300	2		
LED	95%			2040	**			
Egress Lighting								
Emergency, Service	50%			2040	**	1		
Exit, LED	50%			2067	**	1		
Exterior Lighting								
LED	20%			2037	**			
No Component	80%							
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2058	**	1		
Conversion Equipment								
Steam Boiler	100%			2037	**	1	\$5,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Natural Gas Fired Steam Boiler</i>								
Distribution								
Steam Piping/Pump	100%			2052	**			
Terminal Devices								
Convactor/Radiator	100%			2037	**	1	\$1,800	
Air Conditioning								
Energy Source								
Electricity	100%			2054	**	1		
Conversion Equipment								
Window/Wall Unit	40%			2030	\$8,100	1		
No Component	60%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$300	
No Component	90%							
Exhaust Fans								
Interior	100%			2037	**	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2042	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 164/ LADDER CO. 84
Asset # : 13094

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Water Heater With Tanks								
Gas Fired	100%			2030	\$16,700	2		
Sanitary Piping								
Cast Iron	90%			LIFE	**	1		
Cast Iron	10%	Now	\$100	LIFE	**	1		
<i>Damaged, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Bathroom, Floor Drainage In Third Floor Bathroom Damaged And Patched.</i>								
Storm Drain Piping								
Cast Iron	100%	Now	\$400	LIFE	**	1		
<i>Leak Evident, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement: Storm Riser Is Leaking At Rear-end Of The Basement And Flooding Floor.</i>								
Sump Pump(s)								
Submersible	100%			2025	\$200	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	85%							
Generic	15%			2030	\$12,000	1-3	\$12,100	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 165/ LADDER CO. 85
Address : 3067 RICHMOND ROAD
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.165 / 13095 **Yr Built/Renovated** : 1959 /
Area Sq Ft : 6,493 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Apr-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 949 **Lot** : 1 **BIN** : 5023532

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$408,400	\$56,500
Electrical		\$63,500
Total	\$408,400	\$120,000
Importance Code A	\$408,400	\$56,500
Importance Code B		\$63,500
Total	\$408,400	\$120,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$23,700			\$1,800
Interior Architecture	\$52,200			\$1,500
Electrical	\$400	\$200	\$300	\$300
Mechanical	\$27,800	\$500	\$700	\$500
Site Pavements	\$8,400			
Total	\$112,400	\$800	\$900	\$4,000
Importance Code A	\$24,000	\$300	\$300	\$2,100
Importance Code B	\$68,600	\$500	\$600	\$400
Importance Code C	\$19,800			\$1,500
Total	\$112,400	\$800	\$900	\$4,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 165/ LADDER CO. 85
Asset # : 13095

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2053	**	10	\$300	
Masonry: Brick	65%	Now	\$408,400	LIFE	**	5	\$12,700	
<i>Expansion Joint Failure, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : All Relieving Angles</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Repointing Failure, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Upper Parapet Wall</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Front Facade At Corners</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stair Tower, Main Stair Walls</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : At Relieving Angle. Parking Lot</i>								
<i>Explanation : Missing Masonry Weeps</i>								
Metal, Corrugated	15%			2033	\$56,500	1		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Addition For Hazmat Vehicle</i>								
<i>Explanation : Temporary Structure Of Metal Panels Over Scaffolding. Not To Code Or Local Law Regulations</i>								
Metal Panel	5%			2043	**	5-10	\$6,700	
<i>Deformed/Dented, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
Metal Sect. OHD	10%			2038	**	5	\$6,100	
Windows								
Aluminum	100%	Now	\$10,500	2041	**	5	\$1,100	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$5,100	
Masonry: Brick	90%			LIFE	**	5-10	\$11,100	
Roof								
Asphalt Shingle	10%			2042	**	10	\$200	
Modified Bitumen	70%			2038	**	10	\$7,400	
<i>Blisters, Extent : Light, Area Affected : 2%</i>								
<i>Location : Main Roof</i>								
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Explanation : New Roof Installed Over Existing Modified Roof</i>								
Roll Roofing	20%			2032	\$13,500	5	\$3,500	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Roof Of Addition For Hazmat Vehicle</i>								
<i>Explanation : This Roofing Belongs To The 1 Story Temporary Corrugated Metal Structure</i>								
Soffits								
Metal Panel	100%			2053	**	5-10		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 165/ LADDER CO. 85
Asset # : 13095

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	40%	0-2	\$7,200	LIFE	**	5	\$9,500	
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	20%	Now	\$12,000	2042	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Dining Area, Housewatch Area</i>								
Sheet Vinyl/Rubber	40%			2038	**	5	\$6,500	
Interior Walls								
Cast in Place Concrete	5%	Now	\$5,500	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Cellar Foundation Wall</i>								
Ceramic Tile	20%			2042	**	5	\$3,000	
Concrete Masonry Unit	5%			LIFE	**	5	\$600	
Gypsum Board	10%	Now	\$1,000	LIFE	**	5	\$900	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Mold Growing</i>								
Plaster	30%	Now	\$10,700	LIFE	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Stair Tower</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout The East Wall And Stair Tower</i>								
SGFT/Glazed Masonry	30%			LIFE	**	10	\$2,200	
Ceilings								
AcousTileSusp.Lay-In	20%			2038	**	5	\$2,200	
Exposed Struc: Concrete	10%			LIFE	**	5-10	\$1,400	
<i>Paint Peeling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Apparatus Floor</i>								
Gypsum Board	10%			LIFE	**	5-10	\$3,700	
Plaster	60%	Now	\$9,700	LIFE	**	5	\$4,100	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor And Stair Tower</i>								
Site Enclosure								
Fence/Gates								
Chain Link	75%			2053	**			
Wood	25%			2034	**			
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Actually Vinyl Picket Fence</i>								
Free Standing Walls								
Cast in Place Concrete	100%			2068	**			
Retaining Walls								
Concrete Masonry Unit	100%			2053	**			

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 165/ LADDER CO. 85
Asset # : 13095

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%	4+	\$8,400	2046		**		
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Cracking/Crumbling, Extent : Light, Area Affected : 5%

Location : Throughout Entrance Apron

On-Site Walkways

Cast in Place Concrete	70%			2046		**		
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Pavers/Stone	30%			2042		**		
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Parking/Driveway

Cast in Place Concrete	100%			2046		**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2033	\$14,700	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement. Electric Closet

Explanation : One 200 Ampere Main Disconnect Switch

Switchgear / Switchboard

Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
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Raceway

Conduit	90%			2033	\$32,400	1		
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Conduit	10%			2053	**	1		
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Panelboards

Fused Disc Sw	5%			2032	\$2,400	5		
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Molded Case Bkrs	30%			2032	\$14,500	5	\$100	
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Molded Case Bkrs	65%			2049	**	5	\$100	
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Wiring

Thermoplastic	50%			2033	\$16,300	1		
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Thermoplastic	50%			2053	**	1		
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Motor Controllers

Locally Mounted	100%			2031	\$17,800	5		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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Lighting

Interior Lighting

LED	100%			2041	**			
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Egress Lighting

Exit, LED	50%			2068	**	1		
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No Component	50%							
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Exterior Lighting

LED	20%			2041	**			
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No Component	80%							
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Lightning Protection

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 165/ LADDER CO. 85
Asset # : 13095

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lightning Protection								
Arresters/Cabling								
Generic	100%			2048	**	5	\$100	
Alarm								
Security System								
Generic	100%			2041	**	1	\$2,400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<i>Explanation : Cameras Security System</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2046	**	1	\$3,200	
Distribution								
Hot Wtr Piping/Pump	50%			2041	**	4	\$200	
Hot Wtr Piping/Pump	50%	0-2	\$300	2041	**	4	\$200	
<i>Corroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement</i>								
Terminal Devices								
Convactor/Radiator	70%			2038	**	1	\$1,500	
Unit Heater - Steam	10%			2038	**	4	\$100	
Unit Heater - Steam	20%			2038	**	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	30%			2038	**	2	\$100	
Window/Wall Unit	20%			2031	\$4,800	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$600	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : First Floor Toilet Room</i>								
<i>Explanation : Toilet Exhaust Ductwork And Grilles</i>								
No Component	90%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 165/ LADDER CO. 85
Asset # : 13095

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Exhaust Fans								
Interior	90%			2038	**	2	\$200	
Wall Unit	10%	0-2	\$300	2043	**	2		
<i>Broken, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen Exhaust</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Exterior Wall</i>								
<i>Explanation : Wall Mounted Hood Exhaust Fan</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	10%			2059	**	1		
Galvanized Steel	90%			2046	**	1		
Water Heater With Tanks								
Gas Fired	100%			2032	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Cellar</i>								
<i>Explanation : One 75 Gallon Water Heater</i>								
Sanitary Piping								
Cast Iron	60%			LIFE	**	1		
Cast Iron	10%			LIFE	**	1		
Cast Iron	30%	0-2	\$24,000	LIFE	**	1		
<i>Broken, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Corroded, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Leak Evident, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Occasional Sewage Backups In Basement</i>								
Storm Drain Piping								
Cast Iron	90%			LIFE	**	1		
Cast Iron	10%	0-2	\$2,200	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apparatus Floor Drain</i>								
Sump Pump(s)								
Submersible	100%	Now	\$200	2028	\$200	4	\$100	
<i>Unit Inoperable, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Cellar</i>								
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 166/ LADDER CO. 86
Address : 1400 RICHMOND AVENUE
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.166 / 13096 **Yr Built/Renovated** : 1963 /
Area Sq Ft : 6,582 **Project Type** : FIRE DEPARTMENT
Date of Survey : 19-Nov-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1612 **Lot** : 5 **BIN** : 5031692

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$172,600	
Electrical		\$63,500
Site Pavements	\$70,400	
Total	\$242,900	\$63,500
Importance Code A	\$172,600	
Importance Code B		\$63,500
Importance Code C	\$70,400	
Total	\$242,900	\$63,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$38,000			
Interior Architecture	\$29,200	\$2,300	\$1,600	\$400
Electrical			\$100	\$7,100
Mechanical	\$7,300	\$1,400	\$1,100	\$2,000
Site Enclosure	\$14,100			
Site Pavements	\$4,300			
Total	\$92,900	\$3,700	\$2,900	\$9,500
Importance Code A	\$38,300	\$300	\$300	\$300
Importance Code B	\$34,400	\$3,400	\$1,900	\$9,100
Importance Code C	\$20,300		\$700	
Total	\$92,900	\$3,700	\$2,900	\$9,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 166/ LADDER CO. 86
Asset # : 13096

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	100%	0-2	\$75,700	LIFE	**	5	\$18,800	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : All Facades</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 3%</i>								
<i>Location : Rear Right Side At 2nd Floor; Rear Facade From 1st Floor To Roof And Front Facade Near House Watch Office</i>								
Windows								
Aluminum	100%	Now	\$96,800	2057	**	5	\$1,000	
<i>Air Infiltration, Extent : Severe, Area Affected : 75%</i>								
<i>Location : House Watch Office And Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	85%	Now	\$4,800	LIFE	**	5	\$1,900	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Pre-Cast Concrete	15%	Now	\$1,400	LIFE	**	5	\$2,100	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Lower And Upper Roof</i>								
Roof								
Roll Roofing	100%	Now	\$31,800	2034	**	5	\$7,000	1
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Lower Roof</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 8%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 2%</i>								
<i>Location : Around Roof Drain</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Above Dormitory And Along Flashing</i>								
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 166/ LADDER CO. 86
Asset # : 13096

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$6,500	LIFE	**	5	\$8,600	
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Ground Water At Cellar</i>								
Ceramic Tile	20%			2041	**	5	\$2,000	
Quarry Tile	5%			2045	**	5	\$700	
Vinyl Tile	10%	Now	\$5,300	2032	\$26,600	3	\$400	
<i>Adhesion Failure, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Locker Room And Sleeping Area</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Locker Room, Common Hall And Sleeping Area</i>								
Vinyl Tile 9" X 9"	20%	Now	\$6,800	2037	**	3	\$700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout 2nd Floor</i>								
Wood	5%			2060	**	5	\$900	
Interior Walls								
Ceramic Tile	10%			2041	**	5	\$1,300	
Concrete Masonry Unit	5%			LIFE	**	5	\$300	
Gypsum Board	10%	Now	\$1,800	LIFE	**	5	\$800	
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Second Floor Various Location</i>								
Plaster	30%			LIFE	**	5	\$1,200	
SGFT/Glazed Masonry	45%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	30%			2045	**	5	\$3,000	
Gypsum Board	8%			LIFE	**	5	\$1,000	
Plaster	60%	Now	\$8,800	LIFE	**	5	\$3,700	
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Cellar</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Dormitory</i>								
Wood	2%			LIFE	**	5	\$1,700	
Site Enclosure								
Fence/Gates								
Chain Link	75%	Now	\$10,800	2042	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Wood	25%	Now	\$3,400	2030	\$33,600			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Of Building</i>								
<i>Dry Rot/Decay, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 166/ LADDER CO. 86
Asset # : 13096

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Enclosure								
Retaining Walls								
Cast in Place Concrete	100%			2067		**		
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2045		**		
On-Site Walkways								
Asphalt	100%	Now	\$4,300	2047		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Tripping Hazard, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Side And Rear Parking Area</i>								
Parking/Driveway								
Asphalt	100%	Now	\$70,400	2047		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Side And Rear Yard</i>								
<i>Potholes, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Side Driveway</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2032	\$14,700	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Amperes</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2032	\$63,500	5	\$200	
Raceway								
Conduit	90%			2032	\$32,400	1		
Conduit	10%			2032	\$3,600	1		
Panelboards								
Fused Disc Sw	5%			2031	\$2,400	5		
Molded Case Bkrs	85%			2031	\$41,200	5	\$100	
Molded Case Bkrs	10%			2031	\$4,800	5		
Wiring								
Thermoplastic	100%			2032	\$32,500	1		
Motor Controllers								
Locally Mounted	100%			2030	\$17,800	5		
Ground								
Grounding Devices								
Generic	100%			LIFE		**	5	\$100
Lighting								

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FIRE DEPARTMENT - 057
ENGINE CO. 166/ LADDER CO. 86
Asset # : 13096

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	55%			2032	\$30,700	10	\$3,300	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Incandescent	5%			2027	\$4,000	2		
LED	40%			2037	**			
Exterior Lighting								
HID	10%			2027	\$3,000	10		
LED	10%			2042	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2058	**	1		
Conversion Equipment Hot Water Boiler	100%			2049	**	1	\$3,300	
Distribution Hot Wtr Piping/Pump	100%			2048	**	4	\$500	
Terminal Devices Convactor/Radiator	100%	Now	\$5,300	2037	**	1	\$1,900	
<i>Broken, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Air Conditioning								
Energy Source Electricity	100%			2048	**	1		
Conversion Equipment Window/Wall Unit	80%			2030	\$19,500	1		
<i>Recent Installation, Extent : N/A, Area Affected : 80%</i>								
<i>Location : Throughout The Building.</i>								
No Component	20%							
Ventilation								
Exhaust Fans Roof	100%			2032	\$12,500	2	\$200	
Plumbing								
H/C Water Piping Brass/Copper	100%			2052	**	1		
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout The Building.</i>								
Water Heater With Tanks Gas Fired	100%			2030	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallon Unit</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 166/ LADDER CO. 86
Asset # : 13096

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Submersible	100%			2025	\$200	4	\$200	
Backflow Preventer No Component Generic	90%			2037	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Backflow Preventers Are Serving The Boiler Only</i>								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System Wet	10%			2030	\$8,000	1-3	\$9,300	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Serves Cooking Area</i>								
No Component	90%							

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 167/ LADDER CO. 87
Address : 345 ANNADALE ROAD
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.167 / 13097 **Yr Built/Renovated** : 1971 / 2003
Area Sq Ft : 8,390 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Nov-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Floors 1,2
Block : 5642 **Lot** : 6 **BIN** : 5075428

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$203,400	
Electrical		\$127,000
Total	\$203,400	\$127,000
Importance Code A	\$203,400	\$63,500
Importance Code B		\$63,500
Total	\$203,400	\$127,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$20,300			\$1,700
Interior Architecture	\$22,000	\$600	\$600	\$2,800
Electrical	\$600	\$3,200	\$700	\$800
Mechanical	\$2,500	\$1,300	\$1,700	\$18,900
Site Enclosure	\$8,700			
Total	\$54,000	\$5,200	\$3,000	\$24,300
Importance Code A	\$20,700	\$400	\$400	\$2,300
Importance Code B	\$2,600	\$4,800	\$2,600	\$22,000
Importance Code C	\$30,700			
Total	\$54,000	\$5,200	\$3,000	\$24,300



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 167/ LADDER CO. 87
Asset # : 13097

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	60%	Now	\$89,200	LIFE	**	5	\$11,100	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Missing Joint Filler At Masonry Wall Base And Header. Throughout Cavity Wall</i>								
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : All Elevations</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : At Building Perimeter Base Of Masonry Wall</i>								
<i>Explanation : Deteriorated Pavement Sealant</i>								
Metal Panel	5%			2042	**	5-10	\$6,400	
Pre-Cast Concrete	25%	0-2	\$6,500	LIFE	**	5	\$15,000	
<i>Expansion Joint Failure, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Precast Panels</i>								
<i>Open Joints, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	10%			2049	**	5	\$9,200	
Windows								
Aluminum	100%	Now	\$114,300	2057	**	5	\$1,200	
<i>Bent/Warped Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Rusted Insect Screens Throughout</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
Parapets								
Pre-Cast Concrete	60%	0-2	\$2,100	LIFE	**	5	\$8,400	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : All Coping Joints Are Deteriorated</i>								
Pre-Cast Concrete	40%	0-2	\$7,000	LIFE	**	5	\$5,600	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Perimeter At Various Location</i>								
Roof								
Not Accessible	100%							
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$16,600	
Ceramic Tile	10%			2041	**	5	\$1,300	
Sheet Vinyl/Rubber	30%			2037	**	5	\$5,700	

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FIRE DEPARTMENT - 057
ENGINE CO. 167/ LADDER CO. 87
Asset # : 13097

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	20%	Now	\$13,600	LIFE		**		
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Electrical Incoming Service Box</i>								
Concrete Masonry Unit	25%	4+	\$8,400	LIFE		**	5	\$1,800
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Stair</i>								
Gypsum Board	10%			LIFE		**	5	\$1,100
SGFT/Glazed Masonry	40%			LIFE		**		
Wood	5%			LIFE		**	5	\$3,700
Ceilings								
AcousTileSusp.Lay-In	10%			2045		**	5	\$1,300
Exposed Struc: Concrete	70%			LIFE		**	5	\$1,400
Gypsum Board	10%			LIFE		**	5	\$1,600
Plaster	10%			LIFE		**	5	\$800
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$8,700	2042		**		
<i>Corrosion/Rusting, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Impact Damage, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Parking Lot Gate, Low Fence At Ramp</i>								
Retaining Walls								
Cast in Place Concrete	100%			2076		**		
<i>Other Observation, Extent : N/A, Area Affected : 15%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : Air Shaft At Side Yard</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2045		**		
On-Site Walkways								
Cast in Place Concrete	84%			2045		**		
Cast in Place Concrete	16%			2045		**		
Parking/Driveway								
Asphalt	100%			2041		**		

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2032	\$63,500	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 200 Ampere Main Disconnect Switches</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 167/ LADDER CO. 87
Asset # : 13097

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Switchgear / Switchboard								
	Molded Case Bkrs	100%			2032	\$63,500	5	\$200
Raceway								
	Conduit	95%			2032	\$34,200	1	
	Conduit	5%			2052	**	1	
Panelboards								
	Fused Disc Sw	5%			2031	\$2,400	5	
	Molded Case Bkrs	20%			2048	**	5	
	Molded Case Bkrs	75%			2031	\$36,400	5	\$200
Wiring								
	Thermoplastic	95%			2032	\$30,900	1	
	Thermoplastic	5%			2052	**	1	
Motor Controllers								
	Locally Mounted	100%			2030	\$17,800	5	\$100
Ground								
Grounding Devices								
	Generic	100%			LIFE	**	5	\$100
Stand-by Power								
Transfer Switches								
	Automatic	100%			2037	**	1	\$2,600
Generators								
	Diesel	100%			2035	**	1	\$3,300
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Generator Room Outside</i>							
	<i>Explanation : One 80 Kilovolt Ampere</i>							
Batteries								
	Lead/Acid	100%			2025	\$2,400	5	\$300
Fuel Storage								
	Day Tank	100%			2040	**	5	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Generator Room Outside</i>							
	<i>Explanation : One 60 Gallon</i>							
Lighting								
Interior Lighting								
	Fluorescent	60%			2032	\$42,700	10	\$4,600
	<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement, 1st Floor, And Gymnasium</i>							
	LED	40%			2037	**		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Second Floor</i>							
	<i>Explanation : LED Light</i>							
Egress Lighting								
	Emergency, Service	60%			2037	**	1	
	Exit, LED	40%			2060	**	1	
Exterior Lighting								
	HID	20%			2037	**	10	
	No Component	80%						

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FIRE DEPARTMENT - 057
ENGINE CO. 167/ LADDER CO. 87
Asset # : 13097

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lightning Protection								
Arresters/Cabling								
Generic	100%			2035	**	5	\$100	

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2052	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2037	**	1	\$4,200	
Distribution								
Hot Wtr Piping/Pump	100%			2048	**	4	\$600	
Terminal Devices								
Convactor/Radiator	80%			2045	**	1	\$2,200	
Fan Coil Unit/Heat	20%			2032	\$40,600	1	\$500	

Air Conditioning								
Energy Source								
Electricity	100%			2048	**	1		
Conversion Equipment								
Split Unit	20%			2042	**			
<i>Recent Installation, Extent : N/A, Area Affected : 20%</i>								
<i>Location : Roof</i>								
Window/Wall Unit	50%			2030	\$15,500	1		
No Component	30%							

Ventilation								
Distribution								
Ductwork/Diffusers	60%			LIFE	**	2-5	\$2,800	
No Component	40%							
Exhaust Fans								
Interior	20%			2032	\$7,300	2	\$100	
Roof	80%			2032	\$12,700	2	\$200	

Plumbing								
H/C Water Piping								
Brass/Copper	20%			2052	**	1		
Galvanized Steel	80%			2037	**	1		
Water Heater With Tanks								
Gas Fired	100%			2027	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Two 75 Gallon Water Heaters</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 167/ LADDER CO. 87
Asset # : 13097

Mechanical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Plumbing							
Sump Pump(s) Non-Submersible	100%			2037	**	4	\$300
Backflow Preventer No Component Generic	80% 20%			2037	**	1	\$100
		<i>Other Observation, Extent : Light, Area Affected : 20%</i>					
		<i>Location : Basement</i>					
		<i>Explanation : Backflow Preventor For Boiler Only</i>					
Fixtures							
Generic	100%						
Fire Suppression							
Chemical System Wet	10%			2030	\$8,000	1-3	\$9,300
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
		<i>Location : Kitchen</i>					
		<i>Explanation : Over Range</i>					
No Component	90%						

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 168 EMS STATION 23 ROSSVILLE STATION
Address : 1100 ROSSVILLE AVENUE 300 VETERANS ROAD EAST
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIR0018.000 / 13581 **Yr Built/Renovated** : 2003 /
Area Sq Ft : 20,096 **Project Type** : FIRE DEPARTMENT
Date of Survey : 30-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 7067 **Lot** : 252 **BIN** : 5851738

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Electrical		\$3,400
Mechanical	\$164,900	
Total	\$164,900	\$3,400
Importance Code B	\$164,900	\$3,400
Total	\$164,900	\$3,400

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$35,100		\$4,300	\$300
Interior Architecture	\$116,800	\$1,500		\$1,100
Electrical	\$4,900	\$1,400	\$19,400	\$1,700
Mechanical	\$29,200	\$1,900	\$12,900	\$2,600
Site Enclosure	\$5,500			
Site Pavements	\$45,500			
Total	\$237,000	\$4,800	\$36,500	\$5,700
Importance Code A	\$36,100	\$1,000	\$5,300	\$1,300
Importance Code B	\$125,500	\$3,800	\$31,200	\$4,400
Importance Code C	\$75,400			
Total	\$237,000	\$4,800	\$36,500	\$5,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 168 EMS STATION 23 ROSSVILLE STATION
Asset # : 13581

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Glass Block	1%			LIFE	**	5	\$200		
Masonry: Brick Cavity	6%	2-4	\$2,600	LIFE	**	5	\$1,500		
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Perimeter Windows</i>									
Masonry: Brick Cavity	69%			LIFE	**	5	\$17,400		
Metal Panel	4%			2051	**	5-10	\$7,000		
Metal Coiling Doors	15%	4+	\$7,900	2044	**	5	\$5,900		
<i>Deformed/Dented, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
Window Wall	5%			2051	**	5	\$4,700		
Windows									
Aluminum	100%			2047	**	5	\$600		
Parapets									
Metal Rail	60%			2044	**	5-10	\$32,100		
No Component	40%								
Roof									
Under Construction	100%								
Soffits									
Stucco Cement	100%	0-2	\$5,100	2044	**	5	\$3,000		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
Interior									
Floors									
Cast in Place Concrete	40%	Now	\$20,000	LIFE	**	5	\$26,300		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Apparatus Floor</i>									
Ceramic Tile	10%			2040	**	5	\$3,000		
Sheet Vinyl/Rubber	20%	Now	\$19,200	2036	**	5	\$4,500		
<i>Misaligned/Bulging, Extent : Light, Area Affected : 10%</i>									
<i>Location : Men's Locker Room</i>									
Vinyl Tile	30%			2036	**	3	\$4,500		
Interior Walls									
Cast in Place Concrete	20%	Now	\$17,600	LIFE	**				
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>									
<i>Location : Basement Foundation Wall</i>									
Concrete Masonry Unit	68%	0-2	\$29,600	LIFE	**	5	\$6,500		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Basement And Apparatus Area</i>									
Gypsum Board	10%			LIFE	**	5	\$1,400		
Metal Panel	2%			LIFE	**				

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 168 EMS STATION 23 ROSSVILLE STATION
Asset # : 13581

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	25%	0-2	\$2,800	2044	**	5	\$3,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bunk Room</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Concrete	30%	0-2	\$26,400	LIFE	**	5	\$1,400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement And Bulkhead</i>								
<i>Diagonal Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement Ceiling Throughout</i>								
Exposed Struc: Steel	40%			LIFE	**			
Gypsum Board	5%			LIFE	**	5	\$1,900	
Site Enclosure								
Fence/Gates								
Metal: Cage/Fence	100%	Now	\$5,500	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Main Gate To Parking Lot</i>								
Retaining Walls								
Cast in Place Concrete	100%			2066	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	0-2	\$22,900	2044	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
On-Site Walkways								
Cast in Place Concrete	100%	0-2	\$700	2044	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Walkway</i>								
Parking/Driveway								
Asphalt	50%	2-4	\$9,300	2040	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Parking Lot</i>								
Cast in Place Concrete	50%	Now	\$12,700	2044	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Sinking/Subsiding, Extent : Light, Area Affected : 5%</i>								
<i>Location : Driveway Apron</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

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FIRE DEPARTMENT - 057
ENGINE CO. 168 EMS STATION 23 ROSSVILLE STATION
Asset # : 13581

Electrical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Under 600 Volts							
Service Equipment Fused Disc Sw	75%			2051	**	5	\$100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
	<i>Location : Electrical Room</i>						
	<i>Explanation : Main Service Disconnect Switch Rated At 800 Amperes.</i>						
Photovoltaic Panel(s)	25%			2040	**	1	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
	<i>Location : Basement And Roof</i>						
	<i>Explanation : Photovoltaic Panels Observed On Roof. Photovoltaic Equipment Observed In Electric Room In Basement</i>						
Switchgear / Switchboard Fused Disc Sw	100%			2041	**	5	\$100
Raceway Conduit	100%			2051	**	1	
Panelboards Fused Disc Sw	5%			2047	**	5	
Molded Case Bkrs	95%			2047	**	5	\$500
Wiring Thermoplastic	100%			2051	**	1	
Motor Controllers Locally Mounted	100%			2044	**	5	\$100
Ground							
Grounding Devices Generic	100%			LIFE	**	5	\$300
Stand-by Power							
Transfer Switches Automatic	100%			2044	**	1	\$6,200
Generators Diesel	100%			2034	**	1	\$7,800
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
	<i>Location : Exterior Rear Yard</i>						
	<i>Explanation : Emergency Generator Rated At 80 Kilovolt-ampere</i>						
Batteries Lead/Acid	100%			2024	\$2,400	5	\$700
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
	<i>Location : Exterior Rear Yard</i>						
	<i>Explanation : Within Generator Enclosure</i>						
Fuel Storage Main Tank	100%			2059	**	5	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
	<i>Location : Exterior Rear Yard</i>						
	<i>Explanation : 60 Gallons Rated Capacity</i>						

Lighting

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FIRE DEPARTMENT - 057
ENGINE CO. 168 EMS STATION 23 ROSSVILLE STATION
Asset # : 13581

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting								
Fluorescent	97%			2036	**	10	\$17,900	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	2%			2031	\$3,400	10	\$400	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Staircase</i>								
Fluorescent	1%	Now	\$700	2041	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Some Of The Fixtures Are Broken</i>								
Egress Lighting								
Emergency, Service	50%			2036	**	1		
Exit, LED	50%			2059	**	1		
Exterior Lighting								
HID	20%			2036	**	10		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2051	**	1		
Conversion Equipment								
Furnace	50%			2031	\$30,500	1	\$5,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 5 Rooftop Package Units Controlled Offsite</i>								
Hot Water Boiler	50%			2044	**	1	\$5,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : 1 Unit Controlled Offsite</i>								
Distribution								
Hot Wtr Piping/Pump	50%			2047	**	4	\$500	
No Component	50%							
Terminal Devices								
Convactor/Radiator	10%			2044	**	1	\$700	
Unit Heater - Hot Water	40%	Now	\$2,300	2031	\$46,500			
<i>Controller Not Working, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Garage Area In The Rear</i>								
No Component	50%							
Air Conditioning								
Energy Source								
Electricity	100%			2047	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 168 EMS STATION 23 ROSSVILLE STATION
Asset # : 13581

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	50%	Now	\$16,500	2026	\$164,900	2	\$500	
<i>Controller Not Working, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Controls Are Offsite Creating Many Temperature Control Problems</i>								
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : 5 Package Units, Roof</i>								
Split Unit	10%			2039	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Units. R-410a, 1 Older Unit</i>								
Window/Wall Unit	10%			2026	\$7,400	1		
No Component	30%							
Distribution								
Ductwork/Diffusers	30%	4+	\$3,600	LIFE	**	2	\$7,800	
<i>Corroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Roof</i>								
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	60%			LIFE	**	2-5	\$6,700	
No Component	40%							
Exhaust Fans								
Roof	40%			2031	\$15,200	2	\$200	
No Component	60%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	**	1		
Water Heater With Tanks								
Gas Fired	100%			2029	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar Mechanical Room</i>								
<i>Explanation : Two 75 Gallon Water Heaters</i>								
Sanitary Piping								
Cast Iron	100%	Now	\$4,900	LIFE	**	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Mechanical Room</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sewage Ejector(s)								
Electric	100%			2031	\$10,300	4	\$800	
Backflow Preventer								
Generic	100%			2036	**	1	\$1,200	
Fixtures								
Generic	100%							
Fire Suppression								

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FIRE DEPARTMENT - 057
ENGINE CO. 168 EMS STATION 23 ROSSVILLE STATION
Asset # : 13581

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Sprinkler							
	No Component	80%						
	Generic	20%			2051	**	1-2	\$1,100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Sprinklers Are In The Basement</i>					
Chemical System								
	No Component	90%						
	Generic	10%			2029	\$8,000	1-3	\$7,400
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : 1 Set Unit</i>					

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 202/ LADDER CO. 101
Address : 31 RICHARDS STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.202 / 13099 **Yr Built/Renovated** : 1959 /
Area Sq Ft : 9,048 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Jul-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 505 **Lot** : 60 **BIN** : 3008224

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$91,600	
Mechanical	\$56,300	\$72,300
Total	\$148,000	\$72,300
Importance Code A	\$148,000	
Importance Code B		\$72,300
Total	\$148,000	\$72,300

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$25,300		\$16,300	
Interior Architecture	\$52,600	\$200	\$4,100	
Electrical	\$3,300	\$700	\$800	\$700
Mechanical	\$37,700	\$900	\$19,200	\$1,100
Site Enclosure	\$1,700			
Total	\$120,600	\$1,900	\$40,300	\$1,800
Importance Code A	\$25,300	\$400	\$16,700	\$400
Importance Code B	\$55,100	\$1,200	\$23,600	\$1,400
Importance Code C	\$40,200	\$200		
Total	\$120,600	\$1,900	\$40,300	\$1,800



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FIRE DEPARTMENT - 057
ENGINE CO. 202/ LADDER CO. 101
Asset # : 13099

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	60%	Now	\$91,600	LIFE	**	5	\$11,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Side Facade Of Lower Portion Of Building</i>								
<i>Diagonal Cracks, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Above Rear Window At Lower Portion Of Building</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Side Facades</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : All Masonry Control Joints</i>								
Masonry: Limestone	20%	0-2	\$5,800	LIFE	**	5	\$2,800	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Richards Street Elevation</i>								
Granite Panels	1%			LIFE	**	5	\$100	
Stucco Cement	14%			2044	**	5	\$6,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Facade</i>								
<i>Explanation : Stucco And Paint On Rear Facade To Match Surrounding Decor Of Adjacent Hotel</i>								
Wood Overhead Doors	5%			2036	**	5	\$4,700	
Windows								
Aluminum	90%	Now	\$10,000	2039	**	5	\$200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Insect Screens Located Throughout</i>								
<i>Trwt/Balnc Not Funct, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen And Bunk Room</i>								
<i>Other Observation, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Officer Room</i>								
<i>Explanation : Vinyl Window Installed Within Removed Aluminum Window Sash</i>								
Glass Block	10%	4+	\$1,000	LIFE	**	5		
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 50%</i>								
<i>Location : Stair, Hose Tower</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 202/ LADDER CO. 101
Asset # : 13099

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Parapets								
Masonry: Brick	15%			LIFE	**	5	\$200	
Masonry: Limestone	10%	2-4	\$2,900	LIFE	**	5	\$200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Lower Rear Roof</i>								
Metal Panel	15%			2051	**	5	\$700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Explanation : Metal Coping Over Cast Stone Coping</i>								
Wood Rail	10%	Now	\$2,200	2036	**	5	\$900	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Rear Lower Roof</i>								
<i>Loose/Miss Fasteners, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : 1st Floor Roof</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 1st Floor Roof</i>								
No Component	50%							
<i>Other Observation, Extent : N/A, Area Affected : 0%</i>								
<i>Location : Upper Gable Roof</i>								
<i>Explanation : Roofing Material Raise Roof To Level Of Metal Coping, Parapet Not Visible</i>								
Roof								
Modified Bitumen	90%			2036	**	10	\$11,400	
Traffic Topping	10%			2036	**	10	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outdoor Patio Roof At Rear Over 1st Floor</i>								
<i>Explanation : Wood Deck Construction</i>								
Soffits								
Metal Panel	100%			2041	**	5-10		
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$11,300	LIFE	**	5	\$14,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Apparatus Floor And Cellar Stairs</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement Onto Telecommunication Cabinet</i>								
Mosaic Tile	5%			2044	**	5	\$1,700	
Quarry Tile	5%	4+	\$1,000	2036	**	5	\$500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Recent Repair Evident, Extent : N/A, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Sheet Vinyl/Rubber	40%			2036	**	5	\$8,100	

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FIRE DEPARTMENT - 057
ENGINE CO. 202/ LADDER CO. 101
Asset # : 13099

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	15%	Now	\$10,900	LIFE		**		
<i>Paint Peeling, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout Cellar</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Telecommunication Cabinet</i>								
<i>Other Observation, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Metal Doors And Jambs Are Rusted</i>								
Ceramic Tile	5%			2040		**	\$500	
Gypsum Board	3%			LIFE		**	\$200	
Masonry: Brick	10%	0-2	\$9,100	LIFE		**		
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
Plaster	30%	Now	\$3,500	LIFE		**	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stairwell At Basement</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Stairwell At Basement</i>								
SGFT/Glazed Masonry	35%	Now	\$15,000	LIFE		**		
<i>Diagonal Cracks, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Rear Port Hole</i>								
<i>Loose Units, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Rear Port Hole</i>								
<i>Other Observation, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Rear Port Hole</i>								
<i>Explanation : Structural Failure At Masonry Header</i>								
Wood	2%			LIFE		**	\$800	
Ceilings								
AcousTileSusp.Lay-In	10%	2-4	\$1,100	2036		**	\$700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Gymnasium And Lounge</i>								
<i>Misaligned/Bulging, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Concrete	50%			LIFE		**	\$1,100	
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Apparatus Area</i>								
Plaster	40%			LIFE		**	\$3,400	
Site Enclosure								
Fence/Gates								
Chain Link	70%			2041		**		
Wood	30%	2-4	\$1,700	2032	\$17,200			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Rear Lower Roof Patio</i>								
<i>Dry Rot/Decay, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Rear Lower Roof Patio</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 202/ LADDER CO. 101
Asset # : 13099

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Enclosure								
Free Standing Walls								
Cast in Place Concrete	100%			2051	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2036	* *			

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2041	* *	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2041	* *	5	\$200	
Raceway								
Conduit	80%			2041	* *	1		
Conduit	20%			2057	* *	1		
Panelboards								
Molded Case Bkrs	50%			2030	\$24,200	5	\$100	
Molded Case Bkrs	30%			2039	* *	5	\$100	
Molded Case Bkrs	20%			2053	* *	5		
Wiring								
Thermoplastic	80%			2041	* *	1		
Thermoplastic	20%			2057	* *	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	* *	1	\$2,800	
Generators								
Diesel	100%			2034	* *	1	\$3,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : Emergency Generator Rated At 81 Kilovolt Amperes.</i>								
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$300	
Fuel Storage								
Main Tank	100%			2046	* *	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : 60 Gallons Rated Capacity</i>								

Lighting

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FIRE DEPARTMENT - 057
ENGINE CO. 202/ LADDER CO. 101
Asset # : 13099

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Interior Lighting Fluorescent	60%			2031	\$46,100	10	\$5,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement, 1st Floor</i>								
<i>Explanation : T-8 Lamps</i>								
LED	40%			2039	**			
Egress Lighting								
Emergency, Service	50%			2031	\$2,700	1		
Exit, LED	50%			2066	**	1		
Exterior Lighting								
LED	20%			2039	**			
No Component	80%							
Alarm								
Security System								
No Component	85%							
Generic	15%			2039	**	1	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front And Two Sides Of The Building</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2041	**	1		
<i>Corroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
Conversion Equipment								
Hot Water Boiler	100%	Now	\$56,300	2051	**	1	\$4,000	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Boiler Shell In Cellar</i>								
<i>Obsolete Equipment, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit. Heavy Water Intrusion.</i>								
Distribution								
Hot Wtr Piping/Pump	95%			2039	**	4	\$400	
Hot Wtr Piping/Pump	5%	Now	\$600	2056	**	4		
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 202/ LADDER CO. 101
Asset # : 13099

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convactor/Radiator	100%	0-2	\$14,500	2029	\$72,300	1	\$2,600	
<i>Not Energy Efficient, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Various Locations</i>								
<i>On Extended Life, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Various Locations</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2047	**	1		
Conversion Equipment								
Split Unit	40%			2036	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof And Side Wall</i>								
<i>Explanation : R-410a</i>								
Window/Wall Unit	30%	0-2	\$1,000	2024	\$10,000	1		
<i>Not Energy Efficient, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations</i>								
No Component	30%							
Terminal Devices								
Fan Coil - 2 Pipe	40%	0-2	\$3,800	2036	**	1	\$1,100	
<i>Not in Service, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor Locker Room</i>								
No Component	60%							
Heat Rejection								
Air Cooled Condenser Unit	40%			2036	**	2	\$2,500	
No Component	60%							
Ventilation								
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,500	
No Component	70%							
Exhaust Fans								
Interior	20%			2036	**	2	\$100	
Roof	20%	0-2	\$100	2039	**	2		
<i>Not in Service, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Womens Bathroom</i>								
Wall Unit	30%			2031	\$1,100	2	\$100	
No Component	30%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 202/ LADDER CO. 101
Asset # : 13099

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Water Heater With Tanks Gas Fired	100%	0-2	\$300	2026	\$16,700	2		
<i>Not Energy Efficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 74 Gallon</i>								
Sanitary Piping Cast Iron	100%	Now	\$5,600	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement, Apparatus Floor And Left Side Alley</i>								
<i>Corroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Storm Drain Piping Cast Iron	5%	0-2	\$900	LIFE	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Cast Iron	95%			LIFE	**	1		
Sump Pump(s) Submersible	100%			2024	\$300	4	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Heavy Usage From Water Intrusion And Undersized</i>								
Fixtures								
Generic	100%							
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Mens Bathroom</i>								
<i>Explanation : Damaged</i>								
Fire Suppression								
Chemical System No Component Generic	99%			2026	\$800	1-3	\$700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 205/ LADDER CO. 118
Address : 74 MIDDAGH STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.205 / 13101 **Yr Built/Renovated** : 1929 / 2009
Area Sq Ft : 6,128 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Jun-2020 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 216 **Lot** : 22 **BIN** : 3001600

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture		\$16,300
Mechanical		\$138,100
Total		\$154,400
Importance Code B		\$154,400
Total		\$154,400

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$59,200		\$8,500	\$900
Interior Architecture	\$61,600		\$1,100	\$300
Electrical			\$100	\$100
Mechanical	\$10,200	\$1,100	\$1,400	\$1,100
Site Enclosure	\$800			
Total	\$131,900	\$1,100	\$11,100	\$2,500
Importance Code A	\$59,800	\$600	\$9,100	\$1,500
Importance Code B	\$63,700	\$500	\$2,000	\$900
Importance Code C	\$8,400			
Total	\$131,900	\$1,100	\$11,100	\$2,500



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FIRE DEPARTMENT - 057
ENGINE CO. 205/ LADDER CO. 118
Asset # : 13101

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$29,400	LIFE	**	5	\$16,600	
<i>Spalling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Over Side Entrance Door</i>								
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>								
<i>Location : At Grade By Stair To Basement</i>								
Masonry: Granite	2%	0-2	\$3,500	LIFE	**	5	\$300	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	13%	Now	\$22,800	LIFE	**	5	\$2,000	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Cornice</i>								
Metal Sect. OHD	5%			2044	**	5	\$3,200	
Windows								
Aluminum	100%			2047	**	5	\$1,900	
Parapets								
Masonry: Brick	40%			LIFE	**	5	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Parapet</i>								
<i>Explanation : Brick Parapet Exterior</i>								
Masonry: Limestone	8%			LIFE	**	5	\$300	
Pre-Cast Concrete	12%	0-2	\$600	LIFE	**	5	\$2,000	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Parapet</i>								
Stucco Cement	40%			2044	**	5	\$2,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Parapet</i>								
<i>Explanation : Brick Has Stucco Covering On Parapet Interior</i>								
Roof								
Modified Bitumen	100%			2036	**	10	\$8,500	
<i>Drains Clogged, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Of Upper Roof</i>								
<i>Patching Evident, Extent : Light, Area Affected : 25%</i>								
<i>Location : Front Of Roof</i>								

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 205/ LADDER CO. 118
Asset # : 13101

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	60%	2-4	\$10,000	LIFE	**	5	\$12,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
Mosaic Tile	10%			2036	**	5	\$2,300	
Vinyl Tile	6%	0-2	\$3,300	2031	\$16,300	3	\$200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	24%	2-4	\$1,300	2036	**	3	\$800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Office</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Office</i>								
Interior Walls								
Cast in Place Concrete	15%			LIFE	**			
Ceramic Tile	5%			2034	**	5	\$600	
Gypsum Board	10%			LIFE	**	5	\$700	
Masonry: Brick	3%	Now	\$7,300	LIFE	**			
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Stairwell At Basement Level</i>								
Masonry: Brick	22%			LIFE	**			
Plaster	20%			LIFE	**	5	\$700	
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	5%	4+	\$800	2036	**	5	\$200	
<i>Staining/Discoloring, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
AcousTileSusp.Lay-In	25%	4+	\$800	2044	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
Exposed Struc: Steel	30%	Now	\$35,400	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Sidewalk Bilco Door</i>								
Plaster	40%	4+	\$2,400	LIFE	**	5	\$2,300	
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Ceiling</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$800	2041	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Yard</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Rear Yard</i>								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 205/ LADDER CO. 118
Asset # : 13101

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Enclosure

Free Standing Walls

Cast in Place Concrete	100%			2051	**		
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2036	**		
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On-Site Walkways

Cast in Place Concrete	100%			2036	**		
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Parking/Driveway

Cast in Place Concrete	100%			2036	**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2051	**	5	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room**Explanation : Main Service Disconnect Switch Rated At 400 Amperes.*

Switchgear / Switchboard

Molded Case Bkrs	100%			2051	**	5	\$200
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Raceway

Conduit	100%			2051	**	1	
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Panelboards

Fused Disc Sw	10%			2047	**	5	
Molded Case Bkrs	90%			2047	**	5	\$100

Wiring

Thermoplastic	100%			2051	**	1	
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Motor Controllers

Locally Mounted	100%			2036	**	5	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100
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Lighting

Interior Lighting

LED	100%			2039	**		
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Egress Lighting

Emergency, Battery	50%			2039	**	10	\$700
Exit, Service	50%			2039	**	1	

Exterior Lighting

LED	10%			2039	**		
No Component	90%						

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FIRE DEPARTMENT - 057
ENGINE CO. 205/ LADDER CO. 118
Asset # : 13101

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2041	**	1		
Conversion Equipment								
Steam Boiler	100%			2044	**	1	\$6,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Natural Gas Steam Boiler</i>								
Distribution								
Steam Piping/Pump	100%	Now	\$1,100	2041	**			
<i>Broken, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
Terminal Devices								
Convactor/Radiator	100%			2029	\$53,700	1	\$2,000	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Split Unit	30%			2039	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Units. R-410a</i>								
Window/Wall Unit	20%	0-2	\$3,000	2031	\$5,000	1		
<i>Not Energy Efficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								
No Component	50%							
Terminal Devices								
Fan Coil - 2 Pipe	30%			2039	**	1	\$600	
No Component	70%							
Heat Rejection								
Air Cooled Condenser Unit	30%			2039	**	2	\$1,300	
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,000	
Ductwork/Diffusers	20%	0-2	\$1,200	LIFE	**	2-5	\$700	
<i>Needs Cleaning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
No Component	50%							
Exhaust Fans								
Interior	30%			2039	**	2	\$100	
Roof	10%			2036	**	2		
Wall Unit	10%	0-2	\$100	2026	\$300	2		
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen Area</i>								
No Component	50%							

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FIRE DEPARTMENT - 057
ENGINE CO. 205/ LADDER CO. 118
Asset # : 13101

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
H/C Water Piping Brass/Copper	100%	Now	\$1,700	2031	\$84,400	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Apparatus Floor To Basement Bunk Room</i>								
Water Heater With Tanks Gas Fired	100%			2030	\$18,300	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One New 74 Gallon Unit</i>								
Sanitary Piping Cast Iron	100%	0-2	\$1,700	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Storm Drain Piping Cast Iron	100%	0-2	\$500	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Outside Alley</i>								
Sump Pump(s) Submersible	100%	0-2	\$100	2024	\$200	4	\$100	
<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fixtures Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 206
Address : 1201 GRAND STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.206 / 13102 **Yr Built/Renovated** : 1976 /
Area Sq Ft : 10,180 **Project Type** : FIRE DEPARTMENT
Date of Survey : 08-Jul-2022 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 2929 **Lot** : 53 **BIN** : 3070506

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$310,300	
Electrical		\$99,500
Mechanical	\$79,700	\$54,500
Total	\$390,000	\$154,000
Importance Code A	\$310,300	
Importance Code B	\$79,700	\$154,000
Total	\$390,000	\$154,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$14,400		\$5,400	
Interior Architecture	\$64,900		\$1,000	\$2,700
Electrical	\$1,100	\$700	\$700	\$800
Mechanical	\$22,700	\$6,600	\$15,100	\$12,800
Site Pavements	\$3,100			
Total	\$106,200	\$7,300	\$22,200	\$16,300
Importance Code A	\$14,900	\$500	\$5,900	\$500
Importance Code B	\$72,500	\$6,800	\$16,300	\$15,800
Importance Code C	\$18,800			
Total	\$106,200	\$7,300	\$22,200	\$16,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 206
Asset # : 13102

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	90%	Now	\$310,300	LIFE	**	5	\$19,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Overhead Door Opening</i>								
Wood Overhead Doors	10%			2046	**	5	\$10,700	
Windows								
Aluminum	100%	Now	\$2,500	2049	**	5	\$300	
<i>Crack/Balnc Not Funct, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Kitchen And Office</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Single Pane Windows</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$300	LIFE	**	5	\$600	
<i>Caulking Deteriorated, Extent : Light, Area Affected : 15%</i>								
<i>Location : Parapet</i>								
Concrete Masonry Unit	45%			LIFE	**	5-10	\$2,000	
Masonry: Brick	45%			LIFE	**	5-10	\$2,500	
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Exterior Parapet</i>								
Roof								
Modified Bitumen	100%	2-4	\$8,000	2041	**			
<i>Blisters, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Soffits								
Cast in Place Concrete	100%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$25,300	LIFE	**	5	\$13,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	35%			2042	**	5	\$5,300	
Quarry Tile	5%			2046	**	5	\$1,100	
Vinyl Tile	20%			2038	**	3	\$1,100	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 206
Asset # : 13102

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	10%	Now	\$800	2042	**	5	\$400	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Slop Sink</i>								
Concrete Masonry Unit	35%	Now	\$12,700	LIFE	**	5	\$1,100	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Wall Between Apparatus And Gear Storage</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor Gear Storage</i>								
SGFT/Glazed Masonry	55%			LIFE	**	10	\$2,200	
Ceilings								
AcousTileSusp.Lay-In	90%	Now	\$22,300	2046	**	5	\$6,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Boiler Room</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apparatus Room And Throughout</i>								
Plaster	10%			LIFE	**	5-10	\$2,600	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2053	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	**			
On-Site Walkways								
Cast in Place Concrete	100%			2046	**			
Parking/Driveway								
Cast in Place Concrete	100%	Now	\$3,100	2046	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Front Apron</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2053	**	5	\$300	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 400 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2053	**	5	\$300	
Raceway								
Conduit	80%			2033	\$28,800	1		
Conduit	20%			2053	**	1		

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Estimates are rounded to the nearest hundred dollars.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 206
Asset # : 13102

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Molded Case Bkrs	20%			2049	**	5	\$100	
Molded Case Bkrs	80%			2032	\$38,800	5	\$200	
Wiring								
Thermoplastic	80%			2033	\$26,000	1		
Thermoplastic	20%			2053	**	1		
Motor Controllers								
Locally Mounted	100%			2031	\$17,800	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$300	
Stand-by Power								
Transfer Switches								
Automatic	100%			2031	\$12,900	1	\$3,100	
Generators								
Diesel	100%			2029	\$99,500	1	\$3,900	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : No Available Nameplate Rating Capacity</i>								
Batteries								
Lead/Acid	100%			2028	\$2,400	5	\$400	
Fuel Storage								
Main Tank	100%			2048	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : 275 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
LED	100%			2041	**			
Egress Lighting								
Emergency, Service	50%			2038	**	1		
Exit, LED	50%			2061	**	1		
Exterior Lighting								
LED	30%			2038	**			
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2046	**	1	\$5,000	
Distribution								
Hot Wtr Piping/Pump	100%			2041	**	4	\$800	

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FIRE DEPARTMENT - 057
ENGINE CO. 206
Asset # : 13102

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convector/Radiator	75%			2038	**	1	\$2,500	
Unit Heater - Hot Water	25%			2028	\$14,700			
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	50%			2033	\$54,500	2	\$300	
			<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1 Unit, Roof</i>					
Window/Wall Unit	50%	0-2	\$5,700	2028	\$18,800	1		
			<i>Not Energy Efficient, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : Various Locations</i>					
Ventilation								
Distribution								
Ductwork/Diffusers	60%			LIFE	**	2-5	\$5,400	
No Component	40%							
Exhaust Fans								
Roof	60%	0-2	\$2,300	2033	\$11,600	2	\$100	
			<i>Not in Service, Extent : Moderate, Area Affected : 70%</i>					
			<i>Location : Roof</i>					
No Component	40%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2043	**	1		
Water Heater With Tanks								
Gas Fired	50%			2031	\$8,300	2		
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Side Utility Room</i>					
			<i>Explanation : One 75 Gallon Unit</i>					
Gas Fired	50%			2026	\$8,300	2		
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Side Utility Room</i>					
			<i>Explanation : One 75 Gallon Unit</i>					
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2026	\$79,700	1-3	\$80,900	
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : 1 Set Covers 20 Square Feet</i>					

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** Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057
ENGINE CO. 206
Asset # : 13102**

Print Date : 13-Oct-2022 **FIRE DEPARTMENT - FY 2023**

Asset Name : ENGINE CO. 209/ LADDER CO. 102
 Address : 850 BEDFORD AVENUE BET MYRTLE AVE AND PARK AVE
 Borough : BROOKLYN Agency's Number : N/A
 Program / Asset # : FIRSECO.209 / 13104 Yr Built/Renovated : 1965 / 2012
 Area Sq Ft : 8,727 Project Type : FIRE DEPARTMENT
 Date of Survey : 16-Jun-2020 Landmark Status : NONE
 Areas Surveyed : Basement, Roof, Floors 1,2
 Block : 1900 Lot : 50 BIN : 3054771

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Electrical		\$137,500
Mechanical		\$90,600
Total		\$228,100
Importance Code A		\$90,600
Importance Code B		\$137,500
Total		\$228,100

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$55,500		\$12,600	
Interior Architecture	\$59,700		\$800	\$600
Electrical	\$6,600	\$100	\$200	
Mechanical	\$17,400	\$1,000	\$26,900	\$1,000
Site Enclosure	\$5,300			
Site Pavements	\$18,200			
Total	\$162,700	\$1,100	\$40,500	\$1,600
Importance Code A	\$55,900	\$400	\$13,100	\$400
Importance Code B	\$76,200	\$600	\$27,400	\$1,200
Importance Code C	\$30,600			
Total	\$162,700	\$1,100	\$40,500	\$1,600



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 209/ LADDER CO. 102

Asset # : 13104

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	5%	Now	\$13,200	LIFE	**	5	\$400	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor Rear At Air Conditioner Opening</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor Rear At Air Conditioner Opening</i>								
<i>Explanation : Opening Cut In Brick Wall For Air Conditioner. Brick Missing And No Lintel Installed.</i>								
Masonry: Brick	45%	4+	\$5,900	LIFE	**	5	\$3,700	
<i>Efflorescence, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Front Facade</i>								
Metal Sect. OHD	15%	4+	\$4,400	2036	**	5	\$1,900	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bottom Of Over Head Door</i>								
Pre-Cast Concrete	35%			LIFE	**	5	\$9,300	
Windows								
Aluminum	100%	0-2	\$12,900	2039	**	5	\$500	
<i>Hardware Missing, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Caulking Deteriorated, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	35%			LIFE	**	5	\$8,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior Of Parapet</i>								
<i>Explanation : Cast Stone Coping And On Exterior Of Parapet</i>								
Masonry: Brick	63%	0-2	\$4,800	LIFE	**	5	\$1,900	
<i>Efflorescence, Extent : Light, Area Affected : 25%</i>								
<i>Location : Back Faces Of Parapets</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Faces Of The Building Parapet</i>								
<i>Explanation : Parapet At Facade Is Precast Concrete</i>								
Metal Panel	2%			2051	**	5	\$200	
Roof								
Modified Bitumen	100%			2036	**	10	\$12,500	
<i>Debris Present, Extent : Light, Area Affected : 10%</i>								
<i>Location : Upper And Lower Roof</i>								
Soffits								
Cast in Place Concrete	100%	2-4	\$14,300	LIFE	**	5	\$4,100	
<i>Water Penetration, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Front Facade</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 209/ LADDER CO. 102
Asset # : 13104

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%	4+	\$10,200	LIFE	**	5	\$13,400	
<i>Loose/Delam Surface, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement Storage Room</i>								
Mosaic Tile	5%			2036	**	5	\$1,500	
Quarry Tile	5%	4+	\$2,200	2036	**	5	\$500	
<i>Worn/Eroded, Extent : Light, Area Affected : 50%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	38%	2-4	\$25,100	2041	**	3	\$1,700	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Wood	2%			2059	**	5	\$500	
Interior Walls								
Ceramic Tile	10%			2034	**	5	\$1,700	
Concrete Masonry Unit	30%			LIFE	**	5	\$2,000	
Masonry: Brick	5%	4+	\$3,100	LIFE	**			
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Kitchen</i>								
Plaster	25%	4+	\$2,000	LIFE	**	5	\$1,300	
<i>Paint Peeling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
SGFT/Glazed Masonry	30%	Now	\$8,900	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Bunkroom, Throughout 1st Floor</i>								
Ceilings								
AcousTileSusp.Lay-In	20%	Now	\$800	2036	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Concrete	45%			LIFE	**	5	\$900	
Plaster	35%	2-4	\$6,400	LIFE	**	5	\$2,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	0-2	\$5,300	2041	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Rear Yard On Retaining Wall</i>								
Retaining Walls								
Cast in Place Concrete	100%			2051	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2036	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 209/ LADDER CO. 102
Asset # : 13104

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Parking/Driveway
Asphalt

100% Now \$10,500 2046 * *
Cracking/Crumbling, Extent : Severe, Area Affected : 100%
Location : Side Driveway
Other Observation, Extent : Severe, Area Affected : 100%
Location : Side Driveway
Explanation : Overgrown With Vegetation

Activity Yard
Asphalt

100% Now \$7,700 2034 * *
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%
Location : Rear Yard
Potholes, Extent : Moderate, Area Affected : 25%
Location : Rear Yard

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment
Fused Disc Sw

100% 2031 \$14,700 5
Other Observation, Extent : Light, Area Affected : 100%
Location : Electrical Room
Explanation : Main Service Disconnect Switch Rated At 400 Amperes.

Switchgear / Switchboard
Molded Case Bkrs

100% 2031 \$63,500 5 \$200

Raceway

Conduit
Conduit

75% 2031 \$27,000 1
 25% 2041 * * 1

Panelboards

Molded Case Bkrs
Molded Case Bkrs

25% 2039 * * 5 \$100
 75% 2030 \$36,400 5 \$200

Wiring

Braided Cloth

20% 2-4 \$6,500 2056 * * 1
Insulation Aged, Extent : Moderate, Area Affected : 100%
Location : Basement

Thermoplastic

80% 2041 * * 1

Motor Controllers

Locally Mounted

100% 2044 * * 5 \$100

Ground

Grounding Devices
Generic

100% LIFE * * 5 \$100

Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 209/ LADDER CO. 102
Asset # : 13104

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Interior Lighting Fluorescent	100%			2031	\$74,000	10	\$8,000	
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Other Observation, Extent : Light, Area Affected : 100%
Location : Throughout The Building
Explanation : T-8 Lamps

Exterior Lighting HID	20%			2031	\$8,000	10		
No Component	80%							

Alarm

Security System No Component	90%							
Generic	10%			2036	**	1	\$300	

Other Observation, Extent : Light, Area Affected : 100%
Location : Front Of The Building
Explanation : CCTV Surveillance Cameras

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source Natural Gas	100%			2041	**	1		
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Conversion Equipment Hot Water Boiler	100%			2029	\$90,600	1	\$4,300	
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Distribution Hot Wtr Piping/Pump	100%			2030	\$18,600	4	\$400	
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Other Observation, Extent : Light, Area Affected : 100%
Location : Throughout
Explanation : Aged

Terminal Devices Convactor/Radiator	60%			2029	\$41,800	1	\$1,700	
Unit Heater - Hot Water	25%			2026	\$12,600			

Other Observation, Extent : N/A, Area Affected : 100%
Location : Apparatus Floor And Gymnasium
Explanation : 4 Units

No Component	15%							
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Air Conditioning

Energy Source Electricity	100%			2039	**	1		
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Conversion Equipment Split Unit	20%			2031	\$40,500			
Window/Wall Unit	40%			2026	\$12,900	1		
Window/Wall Unit	20%	Now	\$3,900	2031	\$6,500	1		

Broken, Extent : Moderate, Area Affected : 100%
Location : 2nd Floor

No Component	20%							
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 209/ LADDER CO. 102
Asset # : 13104

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Terminal Devices								
	Fan Coil - 2 Pipe	20%			2031	\$41,600	1	\$600
	No Component	80%						
Heat Rejection								
	Air Cooled Condenser Unit	20%			2031	\$3,900	2	\$1,200
	No Component	80%						
Ventilation								
Distribution								
	Ductwork/Diffusers	20%	0-2	\$1,500	LIFE	**	2-5	\$1,000
				<i>Needs Cleaning, Extent : Moderate, Area Affected : 30%</i>				
				<i>Location : Bunk Room, Kitchen Exhaust Systems And Toilet Exhaust</i>				
	No Component	80%						
Exhaust Fans								
	Interior	10%	Now	\$800	2031	\$3,800	2	
				<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>				
				<i>Location : 2nd Floor</i>				
				<i>Explanation : Toilet Exhaust Not Working</i>				
	Roof	20%			2036	**	2	\$100
	Wall Unit	30%	0-2	\$1,100	2041	**	2	\$100
				<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Apparatus Floor And Stair Case</i>				
	No Component	40%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2041	**	1	
Water Heater With Tanks								
	Gas Fired	50%			2029	\$8,300	2	
	Gas Fired	50%			2024	\$8,300	2	
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%	Now	\$300	2026	\$300	4	\$200
				<i>Obsolete Equipment, Extent : Severe, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System								
	No Component	99%						
	Generic	1%			2024	\$800	1-3	\$800
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Kitchen Hood</i>				
				<i>Explanation : 1 Set</i>				

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 21
Address : 238 EAST 40th STREET BTWN 2ND AVE. - 3RD AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.021 / 13015 **Yr Built/Renovated** : 1940 /
Area Sq Ft : 3,759 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 920 **Lot** : 42 **BIN** : 1020385

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$66,100	
Total	\$66,100	
Importance Code A	\$66,100	
Total	\$66,100	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$7,900		\$6,300	
Interior Architecture	\$15,500			\$400
Electrical	\$10,200			
Mechanical	\$4,000	\$1,000	\$24,100	\$1,000
Site Pavements	\$1,800			
Total	\$39,400	\$1,100	\$30,400	\$1,400
Importance Code A	\$11,100	\$400	\$6,600	\$400
Importance Code B	\$24,800	\$700	\$23,800	\$1,000
Importance Code C	\$3,400			
Total	\$39,400	\$1,100	\$30,400	\$1,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 21
Asset # : 13015

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	85%	2-4	\$66,100	LIFE	**	5	\$16,500	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout Side Facades, Bulkhead</i>								
<i>Misaligned/Bulging, Extent : Light, Area Affected : 5%</i>								
<i>Location : Top Left At Front Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bulkhead, Side Facades</i>								
Masonry: Granite	5%			LIFE	**	5	\$700	
Metal Sect. OHD	10%			2048	**	5	\$6,000	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Apparatus Overhead Door</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Overhead Door</i>								
<i>Explanation : Fiberglass Door</i>								
Windows								
Aluminum	100%	Now	\$7,900	2039	**	5	\$800	
<i>Unit Inoperable, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Bathrooms, Stair Bulkhead, 2nd Floor Offices</i>								
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$2,000	
Masonry: Limestone	10%			LIFE	**	5	\$300	
Roof								
Modified Bitumen	98%			2036	**	10	\$6,300	
Skylight, Metal/Glass	2%			2041	**	10	\$400	
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$6,000	
Ceramic Tile	5%			2044	**	5	\$300	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Bathrooms</i>								
Vinyl Tile	50%			2036	**	3	\$1,500	
Interior Walls								
Ceramic Tile	5%			2044	**	5	\$400	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Bathrooms</i>								
Marble Panels	5%	Now	\$1,400	LIFE	**			
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 2%</i>								
<i>Location : Shower Stalls</i>								
Plaster	50%	Now	\$1,900	LIFE	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout And Stairwell To Basement</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout And Hose Tower</i>								
SGFT/Glazed Masonry	40%			LIFE	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 21
Asset # : 13015

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	5%			2048	**	5	\$300	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Bathrooms, 2nd Floor</i>								
Exposed Struc: Concrete	20%	Now	\$8,900	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 6%</i>								
<i>Location : Hose Tower And Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Apparatus Floor And Basement Ceiling</i>								
<i>Explanation : Structurally Insufficient</i>								
Plaster	75%	Now	\$2,700	LIFE	**	5	\$2,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Stair Bulkhead, Hose Tower</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	0-2	\$1,800	2044	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apron Ramp To Apparatus Bay</i>								
On-Site Walkways								
Cast in Place Concrete	100%			2044	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2041	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>								
Raceway								
Conduit	90%			2031	\$32,400	1		
Conduit	10%			2041	**	1		
Panelboards								
Fused Disc Sw	3%			2030	\$1,500	5		
Fused Disc Sw	2%			2039	**	5		
Molded Case Bkrs	65%			2030	\$31,500	5	\$100	
Molded Case Bkrs	30%			2039	**	5		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 21
Asset # : 13015

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Wiring								
Thermoplastic	70%			2031	\$22,800	1		
Thermoplastic	30%			2041	**	1		
Ground								
Grounding Devices								
Generic	100%	2-4	\$10,200	LIFE	**	5	\$100	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Water Basement</i>								
Lighting								
Interior Lighting								
LED	100%			2039	**			
Egress Lighting								
Emergency, Battery	50%			2039	**	10	\$500	
Exit, LED	50%			2066	**	1		
Exterior Lighting								
LED	20%			2039	**			
No Component	80%							
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2041	**	1		
Conversion Equipment								
Steam Boiler	100%	Now	\$3,200	2044	**	1	\$3,300	
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Boiler Room. Defective Fresh Air Damper System, Pilot Light Keeps Going Off</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Steam Piping/Pump	100%			2031	\$29,400			
Terminal Devices								
Convactor/Radiator	100%			2029	\$30,000	1	\$1,200	
Air Conditioning								
Energy Source								
Electricity	100%			2047	**	1		
Conversion Equipment								
Split Unit	30%			2036	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Locker And Bunker Room</i>								
<i>Explanation : R410a</i>								
Window/Wall Unit	50%			2026	\$7,000	1		
No Component	20%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 21
Asset # : 13015

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Heat Rejection								
Air Cooled Condenser Unit	100%			2031	\$8,500	2	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Units</i>								
Ventilation								
Exhaust Fans								
Wall Unit	100%			2031	\$1,600	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	**	1		
Water Heater With Tanks								
Gas Fired	100%			2026	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Hard To Access For Maintenance</i>								
Sanitary Piping								
Cast Iron	80%			LIFE	**	1		
Cast Iron	20%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	Now	\$600	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement When It Rains And Allyway Backup</i>								
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 210
Address : 160 CARLTON AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.210 / 13105 **Yr Built/Renovated** : 1913 / 2003
Area Sq Ft : 6,780 **Project Type** : FIRE DEPARTMENT
Date of Survey : 16-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2072 **Lot** : 33 **BIN** : 3058296

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Mechanical	\$55,600	\$91,600
Total	\$55,600	\$91,600
Importance Code B	\$55,600	\$91,600
Total	\$55,600	\$91,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$64,300		\$4,500	
Interior Architecture	\$62,400			
Electrical	\$100		\$100	
Mechanical	\$8,400	\$700	\$19,000	\$800
Site Pavements	\$2,000			
Total	\$137,100	\$700	\$23,600	\$800
Importance Code A	\$64,600	\$300	\$15,200	\$300
Importance Code B	\$68,900	\$400	\$8,400	\$500
Importance Code C	\$3,600			
Total	\$137,100	\$700	\$23,600	\$800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 210
Asset # : 13105

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%			LIFE	**	5	\$21,700	
Masonry: Limestone	10%	0-2	\$16,700	LIFE	**	5	\$2,200	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Sect. OHD	10%			2036	**	5	\$9,000	
Granite Panels	5%			LIFE	**	5	\$1,100	
Windows								
Aluminum	100%	Now	\$10,700	2039	**	5	\$400	
<i>Unit Inoperable, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 3rd Floor</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,700	
Masonry: Brick	35%			LIFE	**	5	\$800	
Metal Rail	55%			2044	**	5-10	\$21,600	
Roof								
Modified Bitumen	95%	4+	\$21,800	2036	**			
<i>Debris Present, Extent : Light, Area Affected : 15%</i>								
<i>Location : Lower Roof</i>								
Skylight, Metal/Glass	5%	Now	\$2,000	2051	**			
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Interior								
Floors								
Cast in Place Concrete	30%	Now	\$12,900	LIFE	**	5	\$6,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Apparatus Floor And Basement Floor</i>								
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor Biodiesel Pump</i>								
Ceramic Tile	5%	Now	\$1,400	2034	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Mosaic Tile	10%	0-2	\$4,700	2036	**	5	\$1,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bathrooms Throughout</i>								
Wood	55%	2-4	\$33,100	2059	**	5	\$5,300	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 210
Asset # : 13105

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Interior Walls

Ceramic Tile	5%			2034	**	5	\$800	
Concrete Masonry Unit	25%			LIFE	**	5	\$1,600	
Gypsum Board	30%			LIFE	**	5	\$2,800	
Gypsum Board	7%	Now	\$1,500	LIFE	**	5	\$700	

Broken/Missing Elements, Extent : Light, Area Affected : 1%

Location : Kitchen Entry

Staining/Discoloring, Extent : Moderate, Area Affected : 30%

Location : Kitchen

Water Penetration, Extent : Moderate, Area Affected : 5%

Location : Kitchen Back Wall

Other Observation, Extent : Light, Area Affected : 100%

Location : Kitchen

Explanation : Cementitious Panel

Masonry: Brick	30%			LIFE	**			
Metal Panel	3%			LIFE	**			

Ceilings

AcousTileSusp.Lay-In	5%	2-4	\$200	2036	**	5	\$200	
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Broken/Missing Elements, Extent : Light, Area Affected : 1%

Location : Basement

Water Penetration, Extent : Light, Area Affected : 2%

Location : Basement

Exposed Struc: Steel	20%			LIFE	**			
Gypsum Board	50%	Now	\$4,200	LIFE	**	5	\$6,100	

Water Penetration, Extent : Light, Area Affected : 10%

Location : 2nd Floor Bunk Room And 3rd Floor Locker Room

Metal Panel	25%	2-4	\$4,000	LIFE	**	5	\$3,100	
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Misaligned/Bulging, Extent : Moderate, Area Affected : 20%

Location : Kitchen

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%	2-4	\$300	2036	**			
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Cracking/Crumbling, Extent : Light, Area Affected : 5%

Location : Sidewalk Carlton Avenue

Parking/Driveway

Cast in Place Concrete	100%	Now	\$1,800	2036	**			
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Cracking/Crumbling, Extent : Moderate, Area Affected : 10%

Location : Front Apron

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 210
Asset # : 13105

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2041	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 400 Amperes.</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2041	**	5		
Raceway								
Conduit	100%			2041	**	1		
Panelboards								
Fused Disc Sw	10%			2039	**	5		
Molded Case Bkrs	90%			2039	**	5	\$200	
Wiring								
Thermoplastic	100%			2041	**	1		
Motor Controllers								
Locally Mounted	100%			2036	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
LED	100%			2039	**			
Egress Lighting								
Exit, Service	100%			2031	\$2,900	1		
Exterior Lighting								
HID	10%			2031	\$3,100	10		
No Component	90%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2041	**	1		
Conversion Equipment								
Furnace	50%			2026	\$10,300	1	\$1,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 5 Rooftop Package Units</i>								
Hot Water Boiler	50%			2036	**	1	\$1,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 210
Asset # : 13105

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Hot Wtr Piping/Pump	50%	Now	\$400	2039	**	4	\$200	
<i>Leak Evident, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 1 Out Of 2 Pumps In Basement</i>								
No Component	50%							
Terminal Devices								
Convactor/Radiator	40%			2044	**	1	\$900	
Unit Heater - Hot Water	10%	0-2	\$800	2031	\$3,900			
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Not Enough Heating Device In Apparatus Floor And House Watch</i>								
No Component	50%							
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	45%			2026	\$50,100	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 5 Units, R-22 Refrigerant</i>								
Ext Pkg Unit - Heating/Cooling	5%	0-2	\$300	2026	\$5,600	2		
<i>Controller Not Working, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor Thermostat</i>								
Window/Wall Unit	10%	2-4	\$1,500	2031	\$2,500	1		
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : House Watch And 1st Floor</i>								
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	60%	0-2	\$3,500	LIFE	**	2-5	\$2,300	
<i>Needs Cleaning, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen Duct</i>								
No Component	40%							
Exhaust Fans								
Roof	60%	0-2	\$400	2026	\$7,700	2	\$100	
<i>Damaged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen Exhaust</i>								
No Component	40%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		
Water Heater With Tanks								
Gas Fired	100%			2029	\$16,700	2		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 210
Asset # : 13105

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	70%			2031	\$900	4	\$100	
Submersible	30%			2024	\$100	4	\$100	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2031	\$91,600	1-2	\$1,900	
Chemical System								
No Component	99%							
Generic	1%			2024	\$800	1-3	\$800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

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Estimates are rounded to the nearest hundred dollars.

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 211/LADDER CO. 119 FIRE MARSHALLS
Address : 26 HOOPER STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.211 / 13106 **Yr Built/Renovated** : 1925 /
Area Sq Ft : 28,285 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Feb-2019 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2,3,4,5
Block : 2203 **Lot** : 16 **BIN** : 3060298

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$293,800	\$179,800
Interior Architecture	\$742,500	\$120,100
Electrical		\$379,900
Mechanical	\$92,800	
Site Enclosure	\$131,100	
Total	\$1,260,100	\$679,800
Importance Code A	\$293,800	\$179,800
Importance Code B	\$835,300	\$379,900
Importance Code C	\$131,100	\$120,100
Total	\$1,260,100	\$679,800

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$37,500	\$7,100		
Interior Architecture	\$92,100	\$1,000		\$3,700
Electrical	\$5,000	\$2,200	\$2,200	\$2,100
Mechanical	\$2,600	\$46,100	\$7,300	\$2,500
Site Pavements	\$7,800			
Elevators/Escalators	\$4,900	\$4,900	\$4,900	\$4,900
Total	\$149,900	\$61,300	\$14,400	\$13,200
Importance Code A	\$38,900	\$8,600	\$1,400	\$1,400
Importance Code B	\$74,100	\$52,700	\$13,000	\$11,800
Importance Code C	\$36,900			
Total	\$149,900	\$61,300	\$14,400	\$13,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 211/LADDER CO. 119 FIRE MARSHALLS
Asset # : 13106

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	25%	Now	\$100,400	LIFE	**	5	\$12,500	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Chimney</i>								
<i>Painted Surfaces, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Elevator Penthouse</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Elevator Penthouse</i>								
Stucco Cement	70%	Now	\$193,300	2035	**	5	\$43,700	
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : South Facade At All Floors And Stairwells</i>								
Wood Overhead Doors	5%			2035	**	5	\$12,500	
Windows								
Aluminum	100%	Now	\$37,500	2038	**	5	\$2,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Fourth Floor Offices Along The South Side And Various Other Locations.</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$1,200	
Masonry: Brick	80%			LIFE	**	5	\$2,400	
Metal Panel	15%			2050	**	5	\$1,700	
Roof								
Modified Bitumen	100%			2030	\$179,800	10	\$16,800	
Soffits								
Wood	100%			2035	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Barbecue Grill Area In Rear Yard</i>								
<i>Explanation : This Actually A Wood Awning</i>								

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 211/LADDER CO. 119 FIRE MARSHALLS
Asset # : 13106

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	20%			LIFE	**	5	\$18,500	
Ceramic Tile	5%			2039	**	5	\$2,100	
Quarry Tile	3%			2035	**	5	\$1,900	
Terrazzo	2%	Now	\$7,700	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor Showers</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor Showers</i>								
Vinyl Tile	65%	Now	\$14,800	2025	\$742,500	3	\$10,300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor</i>								
Vinyl Tile	5%	Now	\$17,100	2040	**	3	\$800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Third Floor Workout Room</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Third Floor Workout Room</i>								
Interior Walls								
Cast in Place Concrete	30%			LIFE	**			
Ceramic Tile	5%	Now	\$12,000	2033	\$120,100	5	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : 3rd Floor Shower Area Adjacent To Gymnasium</i>								
Concrete Masonry Unit	25%			LIFE	**	5	\$4,500	
Gypsum Board	15%			LIFE	**	5	\$4,000	
Plaster	10%	Now	\$5,300	LIFE	**	5	\$1,300	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Room 211 And Southeast Corner Of 4th And 5th Floor Offices</i>								
SGFT/Glazed Masonry	15%	Now	\$11,800	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : 1st Floor In Apparatus Area By Overhead Doors</i>								
Ceilings								
AcousTileSusp.Lay-In	50%	Now	\$17,200	2035	**	5	\$10,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Various Offices</i>								
Exposed Struc: Concrete	30%			LIFE	**	5	\$2,000	
Plaster	20%	Now	\$5,000	LIFE	**	5	\$5,300	
<i>Paint Peeling, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor Locker Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 2nd Floor Locker Room</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2040	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 211/LADDER CO. 119 FIRE MARSHALLS
Asset # : 13106

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Enclosure								
Free Standing Walls Masonry: Brick	100%	Now	\$131,100	2050		**		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : South Wall</i>								
<i>Impact Damage, Extent : Severe, Area Affected : 20%</i>								
<i>Location : South Wall</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : South And East Walls</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 20%</i>								
<i>Location : South Wall</i>								
Site Pavements								
Public Sidewalk Cast in Place Concrete	100%			2035		**		
On-Site Walkways Cast in Place Concrete	100%	Now	\$5,500	2035		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Yard And Adjacent To Generator</i>								
Parking/Driveway Cast in Place Concrete	100%	Now	\$2,300	2035		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Parking Area</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment Fused Disc Sw	100%			2050		**	5	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 400 Ampere Main Switch</i>								
Raceway Conduit	100%			2040		**	1	
Panelboards Molded Case Bkrs	25%			2046		**	5	\$200
Molded Case Bkrs	75%			2038		**	5	\$600
Wiring Thermoplastic	100%			2040		**	1	
Motor Controllers Locally Mounted	100%			2035		**	5	\$200
Ground								
Grounding Devices Generic	100%			LIFE		**	5	\$400
Stand-by Power								
Transfer Switches Automatic	100%			2043		**	1	\$8,700

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FIRE DEPARTMENT - 057
ENGINE CO. 211/LADDER CO. 119 FIRE MARSHALLS
Asset # : 13106

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Generators								
Diesel	100%			2033	\$99,500	1	\$11,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<i>Explanation : 125 Watt Generator</i>								
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$1,000	
Fuel Storage								
Day Tank	100%			2038	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : 125 Gallon</i>								
Lighting								
Interior Lighting								
Fluorescent	60%			2030	\$144,000	10	\$15,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	30%			2030	\$72,000	10	\$7,800	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 4th And 5th Floors</i>								
Incandescent	10%			2030	\$34,100	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Stairs Dormitory And Closets</i>								
<i>Explanation : Mostly Incandescent Fixtures</i>								
Egress Lighting								
Emergency, Service	20%			2030	\$3,400	1		
No Component	80%							
Exterior Lighting								
HID	50%			2030	\$64,500	10		
No Component	50%							
Alarm								
Security System								
No Component	90%							
Generic	10%			2030	\$5,200	1	\$1,100	

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2050	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2043	**	1	\$14,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : 1 Hot Water Boiler</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 211/LADDER CO. 119 FIRE MARSHALLS
Asset # : 13106

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
Distribution								
	Hot Wtr Piping/Pump	100%			2046	**	4	\$1,400
Terminal Devices								
	Convactor/Radiator	100%			2035	**	1	\$9,100
Air Conditioning								
Energy Source								
	Electricity	100%			2046	**	1	
Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	20%			2025	\$92,800	2	\$300
	Split Unit	5%			2030	\$32,800		
	Window/Wall Unit	40%			2025	\$41,900	1	
	No Component	35%						
Distribution								
	Ductwork/Diffusers	20%			LIFE	**	2	\$7,400
	No Component	80%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$15,800
Exhaust Fans								
	Roof	70%			2030	\$37,500	2	\$600
	Wall Unit	30%			2030	\$3,600	2	\$300
Plumbing								
H/C Water Piping								
	Brass/Copper	50%			2050	**	1	
	Galvanized Steel	50%			2035	**	1	
Water Heater With Tanks								
	Gas Fired	100%			2028	\$16,700	2	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Mechanical Room</i>							
	<i>Explanation : Two 75 Gallon Water Heaters And One Is An Instantaneous Heater.</i>							
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Fixtures								
	Generic	100%						
Vertical Transport								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 211/LADDER CO. 119 FIRE MARSHALLS
Asset # : 13106

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Vertical Transport								
Elevators								
	Geared Traction	100%			LIFE		**	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st To 5th Floor</i>								
<i>Explanation : One Unit</i>								
Fire Suppression								
Chemical System								
	No Component	98%						
	Generic	2%			2025	\$1,600	1-3	\$1,500

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 214
Address : 495 HANCOCK STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.214 / 13108 **Yr Built/Renovated** : 1965 /
Area Sq Ft : 7,040 **Project Type** : FIRE DEPARTMENT
Date of Survey : 25-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1654 **Lot** : 45 **BIN** : 3045695

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$112,700	
Mechanical		\$50,600
Total	\$112,700	\$50,600
Importance Code A	\$112,700	
Importance Code B		\$50,600
Total	\$112,700	\$50,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$99,600			
Interior Architecture	\$28,200			\$400
Electrical	\$100		\$100	
Mechanical	\$10,500	\$600	\$35,700	\$800
Site Enclosure	\$1,700			
Total	\$140,100	\$600	\$35,800	\$1,200
Importance Code A	\$99,900	\$300	\$400	\$300
Importance Code B	\$22,900	\$300	\$35,400	\$800
Importance Code C	\$17,300			
Total	\$140,100	\$600	\$35,800	\$1,200



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 214
Asset # : 13108

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	60%	2-4	\$48,300	LIFE	**	5	\$12,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : At North Exit</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Exterior Facades</i>								
Masonry: Brick	20%	Now	\$64,400	LIFE	**	5	\$4,000	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stair And Hose Tower</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Stair And Hose Tower</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Stair And Hose Tower</i>								
<i>Explanation : Newer Brick Material</i>								
Masonry: Granite	5%	2-4	\$23,100	LIFE	**	5	\$800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Adjacent To Over Head Door</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Over Head Door Header</i>								
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 10%</i>								
<i>Location : Adjacent To Over Head Door</i>								
Masonry: Limestone	5%	4+	\$7,700	LIFE	**	5	\$800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
Metal Sect. OHD	10%			2044	**	5	\$6,300	
Windows								
Aluminum	100%	Now	\$39,900	2039	**	5	\$900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Windows</i>								
Parapets								
Masonry: Brick	90%	2-4	\$13,600	LIFE	**	5	\$2,200	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Corners</i>								
Masonry: Limestone	10%	4+	\$3,000	LIFE	**	5	\$300	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Coping</i>								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 214
Asset # : 13108

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	95%	Now	\$9,200	2036	**			
<i>Blisters, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Main Roof And Hose Tower Roof</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Main Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Showers, Engine Office</i>								
Skylight, Metal/Glass	5%			2041	**	10	\$1,500	
Interior								
Floors								
Cast in Place Concrete	55%			LIFE	**	5	\$12,300	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Mosaic Tile	10%			2044	**	5	\$2,600	
Quarry Tile	5%	4+	\$700	2036	**	5	\$400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 50%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	30%	2-4	\$4,100	2036	**	3	\$1,200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
Interior Walls								
Ceramic Tile	5%			2034	**	5	\$700	
Masonry: Brick	20%			LIFE	**			
Plaster	35%	Now	\$6,200	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Hose Tower, 2nd Floor Corridor And Stairwell</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Stairwell</i>								
SGFT/Glazed Masonry	35%	4+	\$9,100	LIFE	**			
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
Wood	5%			LIFE	**	5	\$3,000	
Ceilings								
AcousTileSusp.Lay-In	10%	4+	\$300	2044	**	5	\$500	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor Bathroom</i>								
Exposed Struc: Concrete	15%			LIFE	**	5	\$200	
Exposed Struc: Steel	35%			LIFE	**			
Plaster	40%	Now	\$6,100	LIFE	**	5	\$2,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Hose Tower, Stairwell</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 214
Asset # : 13108

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Enclosure								
Fence/Gates								
Chain Link	100%	4+	\$1,700	2041	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 25%</i>								
<i>Location : Rear Yard</i>								
Free Standing Walls								
Cast in Place Concrete	100%			2051	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2036	**			
Parking/Driveway								
Cast in Place Concrete	100%			2044	**			
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2041	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 400 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2041	**	5	\$200	
Raceway								
Conduit	100%			2041	**	1		
Panelboards								
Molded Case Bkrs	100%			2039	**	5	\$200	
Wiring								
Thermoplastic	100%			2041	**	1		
Motor Controllers								
Locally Mounted	100%			2036	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
LED	100%			2036	**			
Egress Lighting								
Emergency, Battery	100%			2031	\$11,500	10	\$1,700	
Exterior Lighting								
LED	10%			2036	**			
No Component	90%							

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FIRE DEPARTMENT - 057
ENGINE CO. 214
Asset # : 13108

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2041	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2036	**	1	\$3,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar Boiler Room</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2039	**	4	\$300	
Terminal Devices								
Convactor/Radiator	90%	0-2	\$5,100	2029	\$50,600	1	\$1,800	
<i>Damaged, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Locker Room And Office</i>								
Unit Heater - Steam	10%			2026	\$3,900	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Split Unit	10%			2036	**			
Window/Wall Unit	50%	0-2	\$2,600	2026	\$13,000	1		
<i>Not Energy Efficient, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Various Locations</i>								
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2036	**	1	\$200	
No Component	90%							
Heat Rejection								
Air Cooled Condenser Unit	10%			2036	**	2	\$500	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	25%			LIFE	**	2-5	\$1,000	
No Component	75%							
Exhaust Fans								
Roof	10%	0-2	\$300	2031	\$1,300	2		
<i>Not Energy Efficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof</i>								
Wall Unit	10%	0-2	\$100	2026	\$300	2		
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Damaged</i>								
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 214
Asset # : 13108

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Water Heater With Tanks Gas Fired	100%			2026	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : 2 Units 74 Gallons</i>								
Sanitary Piping Cast Iron	100%	Now	\$1,700	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Water Backs Up In Basement And Apparatus Floor</i>								
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Submersible	100%			2024	\$200	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System No Component Generic	99%			2026	\$800	1-3	\$700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen Hood</i>								
<i>Explanation : 1 Set</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 216/LADDER CO. 108 (COMBINED FACILITY) 76TH PCT
Address : 187 UNION AVENUE @JOHNSON AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.216 / 13109 **Yr Built/Renovated** : 1971 /
Area Sq Ft : 8,880 **Project Type** : FIRE DEPARTMENT
Date of Survey : 16-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2465 **Lot** : 100 **BIN** : 3063633

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$117,700	
Interior Architecture	\$50,100	\$269,800
Mechanical		\$56,700
Total	\$167,800	\$326,500
Importance Code A	\$117,700	
Importance Code B		\$326,500
Importance Code C	\$50,100	
Total	\$167,800	\$326,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$40,500		\$64,300	
Interior Architecture	\$60,600	\$3,200		
Electrical	\$200	\$100	\$200	\$100
Mechanical	\$8,900	\$400	\$35,100	\$700
Total	\$110,200	\$3,600	\$99,600	\$800
Importance Code A	\$40,500		\$64,300	
Importance Code B	\$42,400	\$1,700	\$35,200	\$800
Importance Code C	\$27,300	\$1,900		
Total	\$110,200	\$3,600	\$99,600	\$800



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 216/LADDER CO. 108 (COMBINED FACILITY) 76TH PCT
Asset # : 13109

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	89%	0-2	\$108,000	LIFE	**	5	\$26,900	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Relieving Angles At Front, Side And Back Facades</i>								
Masonry: Brick	1%	Now	\$9,700	LIFE	**	5	\$300	1
<i>Vertical Cracks, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Stairwell At Side Of Building</i>								
Metal Sect. OHD	10%			2044	**	5	\$9,400	
Windows								
Aluminum	100%	Now	\$22,100	2039	**	5	\$1,200	
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
<i>Hardware Missing, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Parapets								
Concrete Masonry Unit	5%			LIFE	**	5	\$200	
Masonry: Brick	5%			LIFE	**	5	\$200	
Metal Cornice	20%			2046	**	10	\$2,700	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Roof Parapet Coping</i>								
<i>Explanation : Metal Coping</i>								
Metal Rail	70%			2036	**	5-10	\$53,900	
Roof								
Built-Up (BUR)	4%	Now	\$13,700	2036	**			
<i>Water Penetration, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Water Damage In Locker Room Ceiling Below Fan Curb On Roof.</i>								
Built-Up (BUR)	96%			2036	**	10	\$28,900	
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$32,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : First Floor Apparatus Area</i>								
Ceramic Tile	10%			2034	**	5	\$2,900	
Quarry Tile	1%	4+	\$2,100	2036	**	5	\$200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Kitchen And House Watch</i>								
Terrazzo	5%	0-2	\$26,900	LIFE	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Dining Area</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 30%</i>								
<i>Location : First Floor</i>								
Vinyl Tile	34%			2031	\$269,800	3	\$3,800	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 216/LADDER CO. 108 (COMBINED FACILITY) 76TH PCT
Asset # : 13109

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	10%			2040	**	5	\$3,800	
Concrete Masonry Unit	39%	4+	\$27,300	LIFE	**	5	\$5,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Plaster	20%			LIFE	**	5	\$2,300	
Plywood/Hardboard	1%			LIFE	**			
SGFT/Glazed Masonry	30%	Now	\$50,100	LIFE	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Stairwell</i>								
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Stairwell</i>								
<i>Explanation : Vertical Crack</i>								
Ceilings								
AcousTileSusp.Lay-In	5%	4+	\$500	2036	**	5	\$700	
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : Office And Eating Area</i>								
Exposed Struc: Concrete	45%			LIFE	**	5	\$1,900	
Plaster	15%	Now	\$2,500	LIFE	**	5	\$2,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : First Floor Apparatus Area</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Locker</i>								
Plaster	35%			LIFE	**	5	\$6,100	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2036	**			
On-Site Walkways								
Cast in Place Concrete	100%			2036	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2051	**	5	\$200	
Raceway								
Conduit	100%			2041	**	1		
Panelboards								
Molded Case Bkrs	100%			2039	**	5	\$200	
Wiring								
Thermoplastic	100%			2041	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 216/LADDER CO. 108 (COMBINED FACILITY) 76TH PCT
Asset # : 13109

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2029	\$17,800	5	\$100	
Lighting								
Interior Lighting								
LED	100%			2039	**			
Egress Lighting								
Emergency, Battery	50%			2031	\$7,300	10	\$1,100	
Exit, Service	50%			2031	\$1,900	1		
Exterior Lighting								
LED	20%			2039	**			
No Component	80%							
Alarm								
Security System								
No Component	80%							
Generic	20%			2039	**	1	\$700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Perimeter Of The Building</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Located In Police Precinct Facility</i>								
Conversion Equipment								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Water Boiler Is Located In Police Precinct Facility</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2039	**	4	\$400	
Terminal Devices								
Convactor/Radiator	80%			2029	\$56,700	1	\$2,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Temperature Controlled By Police Precinct</i>								
Unit Heater - Hot Water	20%			2026	\$10,300			
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 216/LADDER CO. 108 (COMBINED FACILITY) 76TH PCT
Asset # : 13109

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Window/Wall Unit	20%			2024	\$6,600	1	
	Window/Wall Unit	30%			2029	\$9,900	1	
	No Component	50%						
Ventilation								
Distribution								
	Ductwork/Diffusers	25%			LIFE	**	2-5	\$1,200
	No Component	75%						
Exhaust Fans								
	Roof	25%			2036	**	2	\$100
	Wall Unit	25%			2026	\$900	2	\$100
	No Component	50%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2041	**	1	
Water Heater With Tanks								
	Electric	100%			2026	\$23,100	4	
Sanitary Piping								
	Cast Iron	80%			LIFE	**	1	
	Cast Iron	20%	Now	\$1,100	LIFE	**	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Water Backs Up In Basement, Apparatus Floor And 2nd Floor Bathroom</i>								
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Non-Submersible	100%			2031	\$1,700	4	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Heavy Duty Duplex Pumps</i>								
Fixtures								
	Generic	100%						
Fire Suppression								
Standpipe								
	No Component	80%						
	Generic	20%			2031	\$8,000	1-5	\$900
Chemical System								
	No Component	99%						
	Generic	1%			2024	\$800	1-3	\$800
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 217
Address : 940 DEKALB AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.217 / 13110 **Yr Built/Renovated** : 1908 / 2002
Area Sq Ft : 5,298 **Project Type** : FIRE DEPARTMENT
Date of Survey : 24-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1601 **Lot** : 23 **BIN** : 3043215

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$325,400	
Total	\$325,400	
Importance Code A	\$325,400	
Total	\$325,400	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$13,000		\$7,800	\$34,700
Interior Architecture	\$51,100			
Electrical	\$100		\$100	
Mechanical	\$3,500	\$1,000	\$11,200	\$800
Total	\$67,600	\$1,000	\$19,100	\$35,500
Importance Code A	\$13,500	\$500	\$8,300	\$35,200
Importance Code B	\$36,400	\$500	\$10,800	\$300
Importance Code C	\$17,700			
Total	\$67,600	\$1,000	\$19,100	\$35,500



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FIRE DEPARTMENT - 057
ENGINE CO. 217
Asset # : 13110

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2041	**	10	\$400	
Masonry: Brick	70%	Now	\$270,100	LIFE	**	5	\$16,800	1
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Both Side Elevations</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear And Side Walls</i>								
Masonry: Granite	2%			LIFE	**	5	\$400	
Masonry: Limestone	15%	Now	\$55,400	LIFE	**	5	\$2,700	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	8%			2036	**	5	\$9,600	
Windows								
Aluminum	100%	Now	\$5,600	2039	**	5	\$300	
<i>Unit Inoperable, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 3rd Floor Gymnasium</i>								
Parapets								
Masonry: Brick	35%			LIFE	**	5	\$600	
Metal Panel	25%			2051	**	5	\$1,800	
Slate	15%	Now	\$6,900	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Lower Roof Coping Stones</i>								
Stucco Cement	25%	2-4	\$500	2036	**	5	\$600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Upper Parapet</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Interior Parapet Upper Roof</i>								
<i>Explanation : Stucco Over Brick On Interior Parapet</i>								
Roof								
Modified Bitumen	30%			2036	**	10	\$2,100	
Roll Roofing	68%			2027		5	\$8,000	
<i>Wrinkling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Upper Roof</i>								
Skylight, Metal/Glass	2%			2057	**	10	\$500	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 217
Asset # : 13110

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$9,200	
Quarry Tile	10%	Now	\$6,000	2044	**	5	\$600	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor Bath</i>								
Sheet Vinyl/Rubber	40%	Now	\$21,400	2036	**	5	\$2,500	
<i>Seams Open/Split, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd And 3rd Floor Corridors</i>								
Interior Walls								
Ceramic Tile	10%	Now	\$700	2034	**	5	\$300	
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%</i>								
<i>Location : Bathroom On 3rd Floor</i>								
Concrete Masonry Unit	10%			LIFE	**	5	\$200	
Masonry: Brick	30%	Now	\$6,800	LIFE	**			
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Plaster	25%	2-4	\$3,600	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Hose Tower</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Hall, Staircase And Hose Tower</i>								
SGFT/Glazed Masonry	25%	Now	\$6,700	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	30%	Now	\$2,000	2044	**	5	\$1,300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 15%</i>								
<i>Location : 2nd Floor Office And Kitchen</i>								
Embossed Metal	45%	4+	\$3,900	LIFE	**	5	\$1,700	
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Gypsum Board	20%			LIFE	**	5	\$2,100	
Metal Panel	5%			LIFE	**	5	\$500	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	**			
Site Pavements								

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FIRE DEPARTMENT - 057
ENGINE CO. 217
Asset # : 13110

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Parking/Driveway

Asphalt	85%			2040	**			
Cast in Place Concrete	15%			2036	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2041	**	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : Main Service Disconnect Switch Rated At 400 Amperes.

Switchgear / Switchboard

Molded Case Bkrs	100%			2041	**	5	\$100	
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Raceway

Conduit	20%			2031	\$7,200	1		
Conduit	80%			2041	**	1		

Panelboards

Fused Disc Sw	5%			2030	\$2,400	5		
Molded Case Bkrs	75%			2039	**	5	\$100	
Molded Case Bkrs	20%			2030	\$9,700	5		

Wiring

Thermoplastic	80%			2041	**	1		
Thermoplastic	20%			2031	\$6,500	1		

Motor Controllers

Locally Mounted	100%			2036	**	5		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Lighting

Interior Lighting

LED	100%			2039	**			
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Egress Lighting

Emergency, Battery	100%			2031	\$8,700	10	\$1,300	
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Exterior Lighting

LED	20%			2039	**			
No Component	80%							

Alarm

Security System

No Component	90%							
Generic	10%			2031	\$1,000	1	\$200	

Other Observation, Extent : Light, Area Affected : 100%

Location : Front Of The Building

Explanation : CCTV Surveillance Cameras

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FIRE DEPARTMENT - 057
ENGINE CO. 217
Asset # : 13110

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2041	**	1		
Conversion Equipment								
Steam Boiler	100%			2044	**	1	\$5,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Steam Piping/Pump	100%			2031	\$41,400			
Terminal Devices								
Convactor/Radiator	100%			2029	\$42,300	1	\$1,700	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Insufficient Heat</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Split Unit	10%			2036	**			
Split Unit	10%	Now	\$1,200	2036	**			
<i>Leak Evident, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Condensate Water Leaking To Lunch Area.</i>								
Window/Wall Unit	40%			2026	\$7,800	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	20%			2036	**	1	\$300	
No Component	80%							
Heat Rejection								
Air Cooled Condenser Unit	20%			2036	**	2	\$700	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	15%			LIFE	**	2-5	\$400	
No Component	85%							
Exhaust Fans								
Roof	15%			2026	\$1,500	2		
Wall Unit	5%			2031	\$100	2		
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		
Water Heater With Tanks								
Gas Fired	100%			2029	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units, 74 Gallons</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 217
Asset # : 13110

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sanitary Piping Cast Iron	100%	0-2	\$1,300	LIFE	**	1	
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Of Apparatus Floor And Kitchen Sink</i>								
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Sump Pump(s) Submersible	100%			2025	\$200	4	\$200
Fixtures								
	Generic	100%						
<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Various Locations</i>								
Fire Suppression								
	Chemical System No Component Generic	99%			2026	\$800	1-3	\$700
<i>1%</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 218
Address : 650 HART STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.218 / 13111 **Yr Built/Renovated** : 1887 / 2001
Area Sq Ft : 3,630 **Project Type** : FIRE DEPARTMENT
Date of Survey : 24-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3228 **Lot** : 13 **BIN** : 3073407

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$106,400	\$60,000
Total	\$106,400	\$60,000
Importance Code A	\$106,400	\$60,000
Total	\$106,400	\$60,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$10,800		\$2,000	
Interior Architecture	\$36,800		\$900	\$5,300
Electrical	\$2,800	\$300	\$300	\$300
Mechanical	\$3,000	\$500	\$7,300	\$500
Site Enclosure	\$14,700			
Total	\$68,100	\$800	\$10,500	\$6,100
Importance Code A	\$11,100	\$400	\$2,400	\$400
Importance Code B	\$17,700	\$400	\$8,100	\$5,700
Importance Code C	\$39,300			
Total	\$68,100	\$800	\$10,500	\$6,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 218
Asset # : 13111

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	90%	Now	\$106,400	LIFE	**	5	\$6,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Side Facades</i>								
<i>Graffiti, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : East Facade</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Side And Rear Facades</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Side And Rear Facades</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : East And Rear Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Side And Rear Facades</i>								
Wood Overhead Doors	10%			2036	**	5	\$3,700	
Windows								
Aluminum	100%	4+	\$5,000	2039	**	5	\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$100	
Masonry: Brick	54%	2-4	\$4,800	LIFE	**	5	\$100	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Parapet</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Parapet</i>								
Masonry: Brick	21%			LIFE	**	5		
Metal Rail	10%			2036	**	5-10	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Parapet</i>								
<i>Explanation : Decorative Rail</i>								
Slate	5%	4+	\$900	LIFE	**	5		
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Front Of Building</i>								
Roof								
Modified Bitumen	100%			2031	\$60,000	10	\$5,600	
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 218
Asset # : 13111

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Carpet	5%			2027	\$5,100	3	\$600	
Cast in Place Concrete	50%	Now	\$4,900	LIFE	**	5	\$6,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Cellar</i>								
Mosaic Tile	5%	4+	\$1,300	2036	**	5	\$400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Bathrooms</i>								
Quarry Tile	5%	4+	\$1,100	2044	**	5	\$200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen Entry</i>								
Sheet Vinyl/Rubber	20%			2036	**	5	\$1,800	
Vinyl Tile	15%	2-4	\$1,200	2031	\$23,700	3	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
<i>Recent Repair Evident, Extent : N/A, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
Interior Walls								
Ceramic Tile	5%			2034	**	5	\$400	
Gypsum Board	1%			LIFE	**	5		
Masonry: Brick	15%	Now	\$11,200	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Basement</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	69%	Now	\$13,200	LIFE	**	5	\$1,700	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor At Rear Of Building</i>								
Wood	10%			LIFE	**	5	\$3,200	
Ceilings								
AcousTileSusp.Lay-In	10%	4+	\$200	2036	**	5	\$300	
<i>Staining/Discoloring, Extent : Light, Area Affected : 1%</i>								
<i>Location : Kitchen</i>								
Embossed Metal	40%	Now	\$3,400	LIFE	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Steel	20%			LIFE	**			
Plaster	30%			LIFE	**	5	\$1,100	
Site Enclosure								

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FIRE DEPARTMENT - 057
ENGINE CO. 218
Asset # : 13111

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$4,000	2041		**		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Driveway Gate</i>								
<i>Impact Damage, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Driveway Gate</i>								
<hr/>								
Free Standing Walls								
Masonry: Brick	100%	0-2	\$10,600	2041		**		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i>								
<i>Location : Top Of Wall</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Back Yard</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Back Yard</i>								
<i>Explanation : Paint Peeling</i>								
<hr/>								
Site Pavements								
Public Sidewalk								
Asphalt	100%			2040		**		
On-Site Walkways								
Cast in Place Concrete	100%			2036		**		
Parking/Driveway								
Cast in Place Concrete	100%			2036		**		
<hr/>								
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2041		**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2041		**	5	\$100
Raceway								
Conduit	100%			2041		**	1	
Panelboards								
Molded Case Bkrs	100%			2039		**	5	\$100
Wiring								
Thermoplastic	100%			2041		**	1	
Motor Controllers								
Locally Mounted	100%			2036		**	5	
<hr/>								
Ground								
Grounding Devices								
Generic	100%			LIFE		**	5	\$100
<hr/>								
Stand-by Power								

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FIRE DEPARTMENT - 057
ENGINE CO. 218
Asset # : 13111

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	**	1	\$1,100	
Generators								
Diesel	100%			2034	**	1	\$1,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : Emergency Generator Rated At 62 Kilowatts</i>						
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$100	
Fuel Storage								
Main Tank	100%			2046	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 50 Gallons Rated Capacity</i>						
Lighting								
Interior Lighting								
Fluorescent	100%			2031	\$30,800	10	\$3,300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : T-8 Lamps</i>						
Egress Lighting								
Emergency, Service	50%			2031	\$1,100	1		
Exit, Service	50%			2031	\$800	1		
Exterior Lighting								
HID	30%			2031	\$5,000	10		
No Component	70%							
Alarm								
Security System								
No Component	80%							
Generic	20%			2031	\$1,300	1	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Front And Side Of The Building</i>						
		<i>Explanation : CCTV Surveillance Cameras</i>						

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2041	**	1		
Conversion Equipment								
Steam Boiler	100%			2044	**	1	\$3,600	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 218
Asset # : 13111

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Steam Piping/Pump	100%			2031	\$28,400			
Terminal Devices								
Convactor/Radiator	100%	0-2	\$600	2036	**	1	\$1,100	
<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Office Bathroom</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Insufficient Heat</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Window/Wall Unit	50%	0-2	\$1,300	2026	\$6,700	1		
<i>Not Energy Efficient, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations</i>								
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$400	
No Component	80%							
Exhaust Fans								
Roof	20%			2031	\$1,400	2		
Wall Unit	50%	0-2	\$800	2041	**	2		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus</i>								
<i>Explanation : On Extended Life Time, Inefficient Unit.</i>								
No Component	30%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2031	\$45,500	1		
Water Heater With Tanks								
Gas Fired	100%			2029	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 74 Gallons</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 219/LADDER CO. 105
Address : 494 DEAN STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.219 / 13112 **Yr Built/Renovated** : 1977 /
Area Sq Ft : 9,109 **Project Type** : FIRE DEPARTMENT
Date of Survey : 19-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1136 **Lot** : 11 **BIN** : 3027813

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$196,900	\$109,800
Interior Architecture		\$134,700
Electrical	\$99,500	\$127,000
Total	\$296,400	\$371,500
Importance Code A	\$196,900	\$173,300
Importance Code B	\$99,500	\$198,200
Total	\$296,400	\$371,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$23,000		\$1,900	\$11,500
Interior Architecture	\$90,300			\$600
Electrical	\$3,200	\$800	\$900	\$700
Mechanical	\$20,200	\$800	\$8,300	\$1,100
Site Pavements	\$12,800			
Total	\$149,600	\$1,600	\$11,100	\$13,900
Importance Code A	\$23,500	\$500	\$2,400	\$12,000
Importance Code B	\$86,100	\$1,100	\$8,700	\$2,000
Importance Code C	\$39,900			
Total	\$149,600	\$1,600	\$11,100	\$13,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 219/LADDER CO. 105
Asset # : 13112

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%	0-2	\$131,000	LIFE	**	5	\$16,300	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : All Masonry Supporting Lintels</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : All Masonry Control Joints</i>								
<i>Spalling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Several Locations Along Rear And Side Facade</i>								
Metal Panel	5%			2041	**	5-10	\$6,600	
Metal Sect. OHD	10%			2048	**	5	\$6,000	
Windows								
Aluminum	95%	0-2	\$12,600	2039	**	5	\$700	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Wood	5%	Now	\$1,700	2056	**	5	\$400	1
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Side Wall</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Side Wall</i>								
Parapets								
Metal Panel	5%			2041	**	5	\$100	
Metal Rail	45%			2044	**	5-10	\$4,800	
Pre-Cast Concrete	50%	0-2	\$4,700	LIFE	**	5	\$1,900	
<i>Miss/Damaged Copings, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Missing Portion Of Coping At All Elevations</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : All Coping Joints</i>								
Roof								
Modified Bitumen	85%	Now	\$65,900	2031	\$109,800			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Roof Penetrations And Pitch Pockets</i>								
<i>Ponding, Extent : Moderate, Area Affected : 33%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Roof Hatch</i>								
Roll Roofing	15%	Now	\$1,200	2027	\$11,500	5	\$1,500	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Lower Roof</i>								
Soffits								
Stucco Cement	100%			2036	**	5		

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 219/LADDER CO. 105
Asset # : 13112

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	45%	2-4	\$9,300	LIFE	**	5	\$12,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
<i>Ponding, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
<i>Other Observation, Extent : N/A, Area Affected : 1%</i>								
<i>Location : Exposed Rebar</i>								
<i>Explanation : Apparatus Floor</i>								
Ceramic Tile	10%	0-2	\$13,700	2034	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Showers</i>								
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout Bathrooms</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Bathroom Shower Area Ponding Near Radiator And Leaking To Below</i>								
Quarry Tile	5%	2-4	\$900	2036	**	5	\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	40%	Now	\$13,500	2031	\$134,700	3	\$1,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout 2nd Floor</i>								
Interior Walls								
Ceramic Tile	11%			2034	**	5	\$1,900	
Concrete Masonry Unit	30%			LIFE	**	5	\$2,100	
Gypsum Board	6%			LIFE	**	5	\$600	
Plaster	5%	4+	\$2,000	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
Plaster	13%			LIFE	**	5	\$700	
SGFT/Glazed Masonry	32%	2-4	\$24,100	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Kitchen</i>								
Wood	3%			LIFE	**	5	\$2,100	

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Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 219/LADDER CO. 105
Asset # : 13112

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileConcealSpLn	30%	2-4	\$17,700	2036	**	5	\$2,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 33%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Concrete	10%			LIFE	**	5	\$200	
Metal Panel	5%	Now	\$4,000	LIFE	**	5	\$800	
<i>Bent/Warped Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bathrooms</i>								
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bathrooms</i>								
Plaster	55%	Now	\$4,100	LIFE	**	5	\$4,300	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 1st Floor Sitting Room</i>								
Site Enclosure								
Fence/Gates								
Chain Link	85%			2041	**			
Iron Picket	15%			2051	**			
Free Standing Walls								
Cast in Place Concrete	100%			2066	**			
Site Pavements								
Parking/Driveway								
Asphalt	50%	Now	\$1,100	2034	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Side Yard Driveway</i>								
<i>Potholes, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Driveway</i>								
Cast in Place Concrete	50%	Now	\$11,800	2051	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Building Front Entrance, Driveway, Sidewalk</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Front Apron</i>								
<i>Explanation : Steel Edge Loose And Elevated</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2031	\$63,500	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 250 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	\$63,500	5	\$200	

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FIRE DEPARTMENT - 057
ENGINE CO. 219/LADDER CO. 105
Asset # : 13112

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Raceway								
Conduit	100%			2031	\$36,000	1		
Panelboards								
Molded Case Bkrs	100%			2030	\$48,500	5	\$200	
Wiring								
Thermoplastic	100%			2041	**	1		
Motor Controllers								
Locally Mounted	100%			2036	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2029	\$12,900	1	\$2,800	
Generators								
Diesel	100%			2027	\$99,500	1	\$3,500	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Generator Room</i>					
			<i>Explanation : Emergency Generator Rated At 12 Kilowatts</i>					
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$300	
Fuel Storage								
Day Tank								
	5%			2030	\$1,300	5		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Generator Room</i>					
			<i>Explanation : 10 Gallons Rated Capacity</i>					
Main Tank								
	95%			2034	**	5		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Side Yard</i>					
			<i>Explanation : 275 Gallons Rated Capacity</i>					
Lighting								
Interior Lighting								
LED	100%			2039	**			
Egress Lighting								
Emergency, Service	100%			2039	**	1		
Exterior Lighting								
HID	30%			2031	\$12,500	10		
No Component	70%							
Alarm								
Security System								
No Component	90%							
Generic	10%			2031	\$1,700	1	\$300	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Front Of The Building</i>					
			<i>Explanation : Cctv Surveillance Camera</i>					

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 219/LADDER CO. 105
Asset # : 13112

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2041	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2048	**	1	\$4,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	50%			2047	**	4	\$200	
Hot Wtr Piping/Pump	50%			2030		4	\$200	
Terminal Devices								
Convactor/Radiator	60%			2029		1	\$1,800	
Unit Heater - Steam	40%			2031		4	\$300	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Apparatus Floor And Basement</i>								
<i>Explanation : Unit Heaters</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Window/Wall Unit	40%	0-2	\$8,100	2031		1	\$13,500	
<i>Not Energy Efficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								
Window/Wall Unit	20%			2026		1	\$6,700	
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	60%	0-2	\$4,700	LIFE	**	2-5	\$3,000	
<i>Needs Cleaning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor And Kitchen</i>								
No Component	40%							
Exhaust Fans								
Roof	85%			2036	**	2	\$200	
Roof	15%	0-2	\$2,600	2041	**	2		
<i>Broken, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Lower Roof</i>								
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Lower Roof</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 219/LADDER CO. 105
Asset # : 13112

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Water Heater With Tanks Gas Fired	100%			2030	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Heaters</i>								
<hr/>								
Sanitary Piping Cast Iron	10%	Now	\$2,200	LIFE	**	1		
<i>Leak Evident, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor Bathroom To 1st Floor Sitting Room</i>								
Cast Iron	90%			LIFE	**	1		
<hr/>								
Storm Drain Piping Cast Iron	100%	0-2	\$600	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Outside Alley</i>								
<hr/>								
Sump Pump(s) Submersible	100%	0-2	\$300	2026	\$300	4	\$200	
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<hr/>								
Fixtures								
Generic	100%							
<hr/>								
Fire Suppression								
Sprinkler								
No Component	70%							
Generic	30%			2031	\$36,900	1-2	\$800	
<hr/>								
Chemical System								
No Component	99%							
Generic	1%			2024	\$800	1-3	\$800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 22/ LADDER CO.13/ BATTALION 10
Address : 159 EAST 85th STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.022 / 13016 **Yr Built/Renovated** : 1961 /
Area Sq Ft : 8,256 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Jul-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1514 **Lot** : 27 **BIN** : 1047937

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$87,100	
Interior Architecture		\$117,000
Mechanical		\$104,500
Total	\$87,100	\$221,500
Importance Code A	\$87,100	
Importance Code B		\$221,500
Total	\$87,100	\$221,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$97,500		\$700	
Interior Architecture	\$29,400	\$500	\$1,300	\$200
Electrical	\$700	\$3,300	\$4,500	\$700
Mechanical	\$29,000	\$800	\$31,800	\$900
Total	\$156,600	\$4,700	\$38,200	\$1,800
Importance Code A	\$97,900	\$400	\$1,100	\$400
Importance Code B	\$55,900	\$4,200	\$37,100	\$1,400
Importance Code C	\$2,700			
Total	\$156,600	\$4,700	\$38,200	\$1,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 22/ LADDER CO.13/ BATTALION 10
Asset # : 13016

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	83%	4+	\$30,400	LIFE	**	5	\$18,900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Front Facade</i>								
Masonry: Limestone	10%	2-4	\$3,500	LIFE	**	5	\$1,700	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Front Facade</i>								
Metal Sect. OHD	7%			2044	**	5	\$5,000	
Windows								
Aluminum	100%	Now	\$26,500	2056	**	5	\$300	
<i>Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	15%	2-4	\$4,700	LIFE	**	5	\$2,000	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Cast Stone Copings</i>								
Masonry: Brick	85%	2-4	\$18,500	LIFE	**	5	\$1,500	
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Spalling And Paint Peeling Throughout</i>								
Roof								
Modified Bitumen	5%			2036	**	10	\$700	
Roll Roofing	95%			2024	\$87,100	5	\$22,900	
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Ceiling</i>								
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$14,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	10%	Now	\$1,600	2044	**	5	\$700	
<i>Worn/Eroded, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Apparatus Floor Toilet Room</i>								
Quarry Tile	5%			2036	**	5	\$1,100	
Vinyl Tile	30%			2031	\$117,000	3	\$1,600	
Vinyl Tile	10%			2039	**	3	\$700	
<i>Recent Installation, Extent : N/A, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 22/ LADDER CO.13/ BATTALION 10
Asset # : 13016

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	5%			LIFE		**		
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Cellar And Stairwell To Cellar</i>								
Ceramic Tile	5%	Now	\$600	2044		**	5	\$300
<i>Worn/Eroded, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Apparatus Floor Toilet</i>								
Concrete Masonry Unit	5%			LIFE		**	5	\$200
Plaster	40%	Now	\$2,100	LIFE		**	5	\$1,300
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Over Window In Engine Office</i>								
SGFT/Glazed Masonry	45%			LIFE		**		
Ceilings								
AcousTileSusp.Lay-In	10%			2036		**	5	\$1,400
Exposed Struc: Concrete	30%			LIFE		**	5	\$700
Metal Panel	2%			LIFE		**	5	\$400
Plaster	58%	Now	\$24,900	LIFE		**	5	\$5,200
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor Dormitory And Front Offices</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2051		**		
Retaining Walls								
Cast in Place Concrete	100%			2066		**		
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044		**		
On-Site Walkways								
Cast in Place Concrete	100%			2044		**		

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Not Accessible	100%							
Switchgear / Switchboard								
Fused Disc Sw	100%			2051		**	5	
Raceway								
Conduit	60%			2031	\$21,600		1	
Conduit	40%			2051		**	1	

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FIRE DEPARTMENT - 057
ENGINE CO. 22/ LADDER CO.13/ BATTALION 10
Asset # : 13016

System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Electrical							
Under 600 Volts							
Panelboards							
Fused Disc Sw	5%		2030	\$2,400	5		
Molded Case Bkrs	45%		2047	* *	5	\$100	
Molded Case Bkrs	50%		2030	\$24,200	5	\$100	
Motor Controllers							
Locally Mounted	100%		2029	\$17,800	5	\$100	
Stand-by Power							
Transfer Switches							
Automatic	100%		2044	* *	1	\$2,500	
Generators							
Diesel	100%		2040	* *	1	\$3,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
<i>Location : Outside</i>							
<i>Explanation : One 40 Kilowatts, 50 Kilovolt-ampere</i>							
Batteries							
Lead/Acid	100%		2025	\$2,400	5	\$300	
Fuel Storage							
Day Tank							
	50%		2047	* *	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
<i>Location : Generator Area</i>							
<i>Explanation : One 50 Gallons</i>							
Main Tank							
	50%		2034	* *	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
<i>Location : Basement</i>							
<i>Explanation : One 550 Gallons</i>							
Lighting							
Interior Lighting							
Fluorescent							
	30%		2031	\$21,000	10	\$2,300	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
<i>Location : Basement</i>							
LED							
	70%		2039	* *			
Egress Lighting							
Emergency, Service	5%		2031	\$200	1		
Emergency, Service	45%		2039	* *	1		
Exit, LED	50%		2066	* *	1		
Exterior Lighting							
HID	10%		2026	\$3,800	10		
LED	10%		2039	* *			
No Component	80%						
Alarm							
Fire/Smoke Detection							
No Component	80%						
Generic, Digital	20%		2031	\$4,200	1-3	\$1,000	

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FIRE DEPARTMENT - 057
ENGINE CO. 22/ LADDER CO.13/ BATTALION 10
Asset # : 13016

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2051	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2044	**	1	\$4,100	
Distribution								
Hot Wtr Piping/Pump	50%			2039	**	4	\$200	
Hot Wtr Piping/Pump	50%	Now	\$1,800	2047	**	4	\$200	
<i>Controller Not Working, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout. Defective Thermostat Heating Control</i>								
Terminal Devices								
Convactor/Radiator	90%			2036	**	1	\$2,400	
Unit Heater - Steam	10%			2031		4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2047	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	15%			2036	**	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : R-410a. Serves Kitchen Area</i>								
Exterior Pkg Unit - Cooling	30%	2-4	\$15,900	2041	**	2	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Split Unit Serves 2nd Floor</i>								
Window/Wall Unit	40%			2026	\$12,200	1		
No Component	15%							
Distribution								
Ductwork/Diffusers	65%			LIFE	**	2	\$7,000	
No Component	35%							
Terminal Devices								
Fan Coil - 2 Pipe	50%			2031	\$104,500	1	\$1,300	
No Component	50%							
Heat Rejection								
Dry Cooler	50%			2026	\$15,700	2	\$2,900	
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,600	
Exhaust Fans								
Interior	45%	0-2	\$6,400	2036	**	2	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus And Locker Room</i>								
<i>Explanation : No Ventilation In Apparatus And Locker Room</i>								
Roof	50%			2031	\$7,800	2	\$100	
Wall Unit	5%			2031	\$200	2		

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FIRE DEPARTMENT - 057
ENGINE CO. 22/ LADDER CO.13/ BATTALION 10
Asset # : 13016

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
H/C Water Piping Brass/Copper	100%			2041	**	1		
Water Heater With Tanks Gas Fired	100%			2029	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	80%			LIFE	**	1		
Cast Iron	10%	Now	\$1,000	LIFE	**	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor Bathroom. Waste Piping Leaking</i>								
Cast Iron	10%	Now	\$1,000	LIFE	**	1		
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement. Broken Waste Piping</i>								
Storm Drain Piping								
Cast Iron	80%			LIFE	**	1		
Cast Iron	20%	0-2	\$1,100	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Occasional Sewer Backup In Apparatus Room</i>								
Sump Pump(s)								
Submersible	100%			2024	\$200	4	\$300	
Fixtures								
Generic	100%							

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 220/LADDER CO. 122
Address : 530 11th STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSLAD.122 / 13224 **Yr Built/Renovated** : 1865 / 1988
Area Sq Ft : 4,508 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-Jan-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1096 **Lot** : 25 **BIN** : 3026278

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$53,200	
Interior Architecture	\$59,000	
Mechanical	\$99,600	
Total	\$211,800	
Importance Code A	\$53,200	
Importance Code B	\$158,600	
Total	\$211,800	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$56,300		\$1,000	
Interior Architecture	\$54,800		\$200	\$300
Electrical	\$10,700		\$100	
Mechanical	\$23,800	\$7,500	\$7,800	\$15,400
Site Enclosure	\$27,200			
Site Pavements	\$4,600			
Total	\$177,300	\$7,500	\$9,000	\$15,700
Importance Code A	\$56,500	\$200	\$1,200	\$200
Importance Code B	\$73,700	\$7,200	\$7,600	\$15,500
Importance Code C	\$47,200		\$200	
Total	\$177,300	\$7,500	\$9,000	\$15,700



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FIRE DEPARTMENT - 057
ENGINE CO. 220/LADDER CO. 122
Asset # : 13224

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	2%	Now	\$2,200	LIFE	**	5	\$1,900	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Rear Facade</i>								
Masonry: Brick	35%	Now	\$53,200	LIFE	**	5	\$6,600	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rear Facade</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Rear Facade</i>								
Masonry: Limestone	50%	Now	\$36,400	LIFE	**	5	\$7,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Metal Panel	5%			2053	**	5-10	\$6,500	
Wood	3%	Now	\$4,800	2038	**	5	\$1,400	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Upper Left Corner Of Front Facade</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Elevation Of Ladder 122</i>								
<i>Explanation : Wood Framed Cornice</i>								
Wood Overhead Doors	5%			2038	**	5	\$4,700	
Windows								
Aluminum	100%	Now	\$1,700	2049	**	5	\$400	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Ladder Company Side</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$2,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	55%	Now	\$5,900	LIFE	**	5	\$500	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	20%			LIFE	**	5-10	\$2,100	
Metal Rail	10%			2046	**	5-10	\$1,600	
Slate	5%	0-2	\$1,600	LIFE	**	5		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2 Story Roof</i>								
Roof								
Copper/Terne	5%			2061	**	10	\$800	
Modified Bitumen	90%			2038	**	10	\$5,700	
Skylight, Metal/Glass	4%			2053	**	10	\$800	
Skylight, Plastic	1%			2038	**	1		
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : Engine Company Side</i>								
<i>Explanation : Two Skylights Have Been Sealed</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 220/LADDER CO. 122
Asset # : 13224

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior Floors								
Cast in Place Concrete	40%	4+	\$11,200	LIFE	**	5	\$5,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Ceramic Tile	10%	Now	\$700	2036	**	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Laundry Room</i>								
Vinyl Tile	35%	Now	\$12,700	2038	**	3	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Locker Room</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Wood	15%	Now	\$59,000	2073	**	5	\$900	
<i>Deteriorated Finish, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Engine Company Side</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Engine Company Side</i>								
<i>Split/Cracked, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Engine Company Side</i>								
Interior Walls								
Cast in Place Concrete	5%			LIFE	**	10	\$1,200	
Ceramic Tile	5%			2036	**	5	\$500	
Concrete Masonry Unit	5%			LIFE	**	5	\$400	
Gypsum Board	31%			LIFE	**	5-10	\$4,900	
Masonry: Brick	5%	Now	\$4,300	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement Gymnasium</i>								
Granite Panels	3%	Now	\$2,500	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Plaster	31%	Now	\$3,400	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Under Sealed Skylights</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stairwell</i>								
SGFT/Glazed Masonry	15%			LIFE	**	10	\$700	

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FIRE DEPARTMENT - 057
ENGINE CO. 220/LADDER CO. 122
Asset # : 13224

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	15%	Now	\$3,300	2046	**	5	\$500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Basement Gymnasium</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Embossed Metal	10%	Now	\$2,000	LIFE	**	5	\$300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor Engine Company</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Apparatus Floor Engine Company</i>								
Exposed Struc: Steel	15%			LIFE	**	10	\$2,000	
Gypsum Board	30%			LIFE	**	5-10	\$7,000	
Plaster	30%	Now	\$3,000	LIFE	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Stairway And Under Skylight</i>								
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%	Now	\$27,200	2053	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2038	**			
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$4,600	2038	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2046	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2043	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 600 Amperes.</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2043	**	5		

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FIRE DEPARTMENT - 057
ENGINE CO. 220/LADDER CO. 122
Asset # : 13224

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Raceway								
Conduit	30%			2043	**	1		
Conduit	70%			2033	\$25,200	1		
Panelboards								
Fused Disc Sw	10%			2032	\$4,800	5		
Molded Case Bkrs	90%			2041	**	5	\$100	
Wiring								
Thermoplastic	30%			2043	**	1		
Thermoplastic	70%			2033	\$22,800	1		
Motor Controllers								
Locally Mounted	100%			2031	\$17,800	5		
Ground								
Grounding Devices								
Generic	100%	0-2	\$10,200	LIFE	**	5	\$100	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Lighting								
Interior Lighting								
LED	100%			2041	**			
Egress Lighting								
Emergency, Battery	50%			2028	\$3,700	10	\$500	
Exit, Service	50%			2028	\$900	1		
Exterior Lighting								
HID	30%			2033	\$6,200	10		
No Component	70%							
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Furnace	40%			2041	**	1	\$900	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Rooftop Package Units</i>								
Hot Water Boiler	60%			2050	**	1	\$1,300	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	60%			2041	**	4	\$200	
No Component	40%							

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FIRE DEPARTMENT - 057
ENGINE CO. 220/LADDER CO. 122
Asset # : 13224

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convactor/Radiator	40%			2038	**	1	\$600	
Unit Heater - Steam	20%			2033	\$5,000	4	\$100	
No Component	40%							
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	50%			2041	**	2	\$100	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 2 Rooftop Package Units. 1 Condemned Unit In Engine Side Courtyard</i>						
Window/Wall Unit	25%			2028	\$4,200	1		
No Component	25%							
Ventilation								
Distribution								
Ductwork/Diffusers	75%			LIFE	**	2-5	\$3,000	
No Component	25%							
Exhaust Fans								
Roof	100%			2038	**	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	5%	0-2	\$1,700	2053	**	1		
		<i>Corroded, Extent : Moderate, Area Affected : 60%</i>						
		<i>Location : Water Main Valve</i>						
Brass/Copper	95%			2053	**	1		
Water Heater With Tanks								
Gas Fired	100%			2032	\$33,400	2		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two 75 Gallon Units</i>						
Sanitary Piping								
Cast Iron	100%	0-2	\$5,500	LIFE	**	1		
		<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Basement</i>						
		<i>Corroded, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Front Of The Basement</i>						
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2026	\$100	4	\$100	
Sewage Ejector(s)								
Electric	100%			2038	**	4	\$200	
Fixtures								
Generic	100%							

Fire Suppression

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 220/LADDER CO. 122

Asset # : 13224

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Sprinkler							
	Generic	100%			2043	**	1-2	\$1,300
Chemical System	Generic	100%			2026	\$99,600	1-3	\$101,100
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : 1 Set Covers 25 Square Feet</i>					

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 221/LADDER CO. 104
Address : 161 SOUTH SECOND STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.221 / 13114 **Yr Built/Renovated** : 1932 / 2007
Area Sq Ft : 6,128 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2406 **Lot** : 35 **BIN** : 3062972

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$67,200	
Electrical		\$52,000
Total	\$67,200	\$52,000
Importance Code A	\$67,200	
Importance Code B		\$52,000
Total	\$67,200	\$52,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$43,900		\$13,300	
Interior Architecture	\$113,500			\$500
Electrical	\$1,200		\$100	
Mechanical	\$4,000	\$900	\$23,100	\$900
Site Pavements	\$5,400			
Total	\$167,900	\$900	\$36,600	\$1,400
Importance Code A	\$44,500	\$600	\$13,900	\$600
Importance Code B	\$88,800	\$300	\$22,600	\$800
Importance Code C	\$34,600			
Total	\$167,900	\$900	\$36,600	\$1,400



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 221/LADDER CO. 104
Asset # : 13114

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	0-2	\$67,200	LIFE	**	5	\$16,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Rear And Side Facades</i>								
Masonry: Granite	2%	0-2	\$600	LIFE	**	5	\$300	
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 2%</i>								
<i>Location : Front Facade At Over Head Door And Driveway</i>								
Masonry: Limestone	10%	2-4	\$3,200	LIFE	**	5	\$1,600	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	8%			2036	**	5	\$8,400	
Windows								
Aluminum	100%			2039	**	5	\$1,200	
Parapets								
Masonry: Brick	70%	0-2	\$39,400	LIFE	**	5	\$1,600	
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Front Of Building</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Interior Of Parapet</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%			LIFE	**	5	\$300	
Metal Panel	5%			2051	**	5	\$400	
<i>Other Observation, Extent : N/A, Area Affected : 15%</i>								
<i>Location : Parapet At Front Of Building</i>								
<i>Explanation : Metal Cap On Top Of Limestone Parapet</i>								
Slate	15%			LIFE	**	5	\$300	
Roof								
Modified Bitumen	98%			2036	**	10	\$8,900	
Skylight, Metal/Glass	2%			2041	**	10	\$600	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
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FIRE DEPARTMENT - 057
ENGINE CO. 221/LADDER CO. 104
Asset # : 13114

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$34,300	LIFE	**	5	\$9,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout Steel Columns And Beams In Basement Are Shoring Up</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Room</i>								
<i>Explanation : Steel Columns And Beams In Basement Are Shoring Up Floor</i>								
Ceramic Tile	5%	Now	\$500	2034	**	5	\$200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 2nd Floor Bathroom</i>								
Quarry Tile	5%	0-2	\$3,300	2044	**	5	\$300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	45%			2036	**	3	\$2,100	
Interior Walls								
Cast in Place Concrete	20%	0-2	\$21,000	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Ceramic Tile	10%			2034	**	5	\$1,400	
Gypsum Board	15%			LIFE	**	5	\$1,300	
Masonry: Brick	15%			LIFE	**			
Plaster	30%	Now	\$5,000	LIFE	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Roof Access, Wall Near Entrance, 2nd Floor Miscellaneous Areas</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Roof Access, Second Floor</i>								
SGFT/Glazed Masonry	10%	4+	\$2,500	LIFE	**			
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%</i>								
<i>Location : Apparatus Floor</i>								
Ceilings								
AcousTileSusp.Lay-In	10%			2044	**	5	\$1,000	
Exposed Struc: Concrete	15%	Now	\$45,100	LIFE	**	5	\$200	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Cellar Under Apparatus Floor</i>								
<i>Spalling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Cellar Under Apparatus Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Structurally Insufficient And Supported By Temporary Steel Columns</i>								
Plaster	75%			LIFE	**	5	\$4,800	
Site Enclosure								
Fence/Gates								
Chain Link	95%			2051	**			
Iron Picket	5%			2066	**			
Site Pavements								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 221/LADDER CO. 104
Asset # : 13114

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%			2044	**			
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Parking/Driveway

Cast in Place Concrete	100%	Now	\$5,400	2051	**			
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 40%**Location : Front Of Driveway*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2041	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Main Service Disconnect Switch Rated At 400 Amperes.*

Switchgear / Switchboard

Molded Case Bkrs	100%			2041	**	5	\$200	
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Raceway

Conduit	100%			2041	**	1		
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Panelboards

Fused Disc Sw	20%			2039	**	5		
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Molded Case Bkrs	80%			2039	**	5	\$100	
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Wiring

Thermoplastic	100%			2041	**	1		
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Motor Controllers

Locally Mounted	100%			2029		5	\$17,800	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Lighting

Interior Lighting

Fluorescent	100%			2031	\$52,000	10	\$5,600	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout The Building**Explanation : T-8 Lamps*

Egress Lighting

Exit, Service	100%			2031	\$2,600	1		
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Exterior Lighting

HID	20%			2031	\$5,600	10		
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No Component	80%							
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Alarm

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FIRE DEPARTMENT - 057
ENGINE CO. 221/LADDER CO. 104
Asset # : 13114

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Security System

No Component

90%

Generic

10% Now

\$1,100 2041

* *

1

\$200

*Other Observation, Extent : Severe, Area Affected : 100%**Location : Front Of The Building**Explanation : CCTV Surveillance Cameras Not Functional*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2041

* *

1

Conversion Equipment

Steam Boiler

100%

2048

* *

1

\$6,100

*Recent Replace Evident, Extent : N/A, Area Affected : 100%**Location : 1 Unit In Basement*

Distribution

Steam Piping/Pump

100%

2031

\$47,900

Terminal Devices

Convactor/Radiator

60%

2029

\$29,400

1

\$1,200

Convactor/Radiator

40%

2044

* *

1

\$800

Air Conditioning

Energy Source

Electricity

100%

2039

* *

1

Conversion Equipment

Split Unit

30%

2036

* *

Window/Wall Unit

10% 0-2

\$1,400 2031

\$2,300

1

*Broken, Extent : Moderate, Area Affected : 50%**Location : 2nd Floor Officers Office**Damaged, Extent : Moderate, Area Affected : 100%**Location : 2nd Floor**On Extended Life, Extent : Moderate, Area Affected : 100%**Location : 2nd Floor*

Window/Wall Unit

20%

2026

\$4,500

1

No Component

40%

Terminal Devices

Fan Coil - 2 Pipe

30%

2036

* *

1

\$600

No Component

70%

Heat Rejection

Air Cooled Condenser

30%

2036

* *

2

\$1,300

Unit

No Component

70%

Ventilation

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FIRE DEPARTMENT - 057
ENGINE CO. 221/LADDER CO. 104
Asset # : 13114

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Distribution								
Ductwork/Diffusers	20%	0-2	\$1,100	LIFE	**	2-5	\$700	
<i>Damaged, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Apparatus Floor</i>								
No Component	80%							
Exhaust Fans								
Roof	15%			2036	**	2		
Wall Unit	20%			2026	\$500	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor.</i>								
<i>Explanation : 1 Unit</i>								
No Component	65%							
Plumbing								
H/C Water Piping								
Brass/Copper	10%	0-2	\$200	2041	**	1		
<i>Not Insulated, Extent : Light, Area Affected : 100%</i>								
<i>Location : Hot Water Piping In Basement</i>								
Brass/Copper	90%			2041	**	1		
Water Heater With Tanks								
Gas Fired	100%			2026	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units At 74 Gallons</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	80%			LIFE	**	1		
Cast Iron	20%	0-2	\$100	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Sump Pump(s)								
Submersible	100%	0-2	\$200	2026	\$200	4	\$100	
<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 222/BATTALION 37/ COMBINED FACILITY 81ST PCT
Address : 32 RALPH AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.222 / 13115 **Yr Built/Renovated** : 1973 /
Area Sq Ft : 9,206 **Project Type** : FIRE DEPARTMENT
Date of Survey : 24-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 1633 **Lot** : 39 **BIN** : 3044596

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$171,700	
Interior Architecture		\$111,500
Electrical		\$74,200
Mechanical		\$51,500
Total	\$171,700	\$237,200
Importance Code A	\$171,700	
Importance Code B		\$237,200
Total	\$171,700	\$237,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$1,900		\$12,200	
Interior Architecture	\$28,000			\$500
Electrical	\$200	\$100	\$5,600	\$100
Mechanical	\$5,500	\$500	\$59,800	\$700
Site Enclosure	\$12,500			
Total	\$48,100	\$500	\$77,600	\$1,300
Importance Code A	\$1,900		\$12,200	
Importance Code B	\$28,600	\$500	\$65,400	\$1,300
Importance Code C	\$17,600			
Total	\$48,100	\$500	\$77,600	\$1,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 222/BATTALION 37/ COMBINED FACILITY 81ST PCT
Asset # : 13115

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	50%			LIFE	**	5	\$5,300	
Metal Sect. OHD	10%			2036	**	5	\$3,300	
Pre-Cast Concrete	40%			LIFE	**	5	\$13,700	
Windows								
Aluminum	100%	Now	\$51,600	2056	**	5	\$600	
<i>Air Infiltration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Window Lintels At Multiple Unit Windows</i>								
Parapets								
Metal: Cage/Fence	10%	Now	\$800	2036	**	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Parapet</i>								
Pre-Cast Concrete	20%			LIFE	**	5	\$1,500	
Stucco Cement	70%			2029	\$49,600	5	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Upper Roof</i>								
<i>Explanation : Stucco Parged Over Brick</i>								
Roof								
Built-Up (BUR)	100%			2026	\$120,200	10	\$10,500	
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$13,600	
Mosaic Tile	10%	Now	\$6,300	2036	**	5	\$1,700	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Bathrooms</i>								
Terrazzo	15%	4+	\$9,400	LIFE	**	5	\$1,600	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Stairwell</i>								
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Stairwell And Kitchen</i>								
Vinyl Tile	30%	2-4	\$5,600	2031	\$111,500	3	\$1,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor Lockers And Weight Room</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 40%</i>								
<i>Location : Throughout 2nd Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 222/BATTALION 37/ COMBINED FACILITY 81ST PCT
Asset # : 13115

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	10%			2034	**	5	\$1,500	
<i>Recent Repair Evident, Extent : N/A, Area Affected : 10%</i>								
<i>Location : 1st Floor</i>								
Gypsum Board	10%			LIFE	**	5	\$900	
Plaster	25%	Now	\$4,400	LIFE	**	5	\$1,100	
<i>Spalling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor Weight Room, Corridor By Suana</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Weight Room</i>								
Plywood/Hardboard	5%			LIFE	**			
SGFT/Glazed Masonry	50%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	45%	4+	\$1,600	2036	**	5	\$2,400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 15%</i>								
<i>Location : Kitchen And Offices</i>								
Exposed Struc: Concrete	40%			LIFE	**	5	\$700	
Gypsum Board	5%			LIFE	**	5	\$700	
Plaster	10%			LIFE	**	5	\$700	
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain Link	50%	2-4	\$4,000	2041	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 10%</i>								
<i>Location : Side Rear Yard</i>								
<i>Impact Damage, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Side Rear Yard Entry</i>								
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Side Rear Yard</i>								
<i>Explanation : Chain Link Fence Ontop Of Masonry Brick Wall, Vegetation Growth On Chain Link Fence</i>								
Masonry: Brick	50%	2-4	\$2,600	2041	**			
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Side Rear Yard</i>								
Free Standing Walls								
Masonry: Brick	100%	2-4	\$5,900	2041	**			
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Rear Yard</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2036	**			
Parking/Driveway								
Cast in Place Concrete	100%			2036	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 222/BATTALION 37/ COMBINED FACILITY 81ST PCT
Asset # : 13115

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2041	**	1		
Panelboards								
Fused Disc Sw	50%			2039	**	5	\$100	
Molded Case Bkrs	50%			2039	**	5	\$100	
Wiring								
Thermoplastic	100%			2041	**	1		
Motor Controllers								
Locally Mounted	100%			2029	\$17,800	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	95%			2031	\$74,200	10	\$8,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Incandescent	5%			2026	\$5,600	2		
Egress Lighting								
Exit, Service	100%			2031	\$3,900	1		
Exterior Lighting								
LED	30%			2039	**			
No Component	70%							
Alarm								
Security System								
No Component	80%							
Generic	20%			2039	**	1	\$700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside Perimeter</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Heating Hot Water Provided By Next Portion Of The Building</i>								
Conversion Equipment								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Heating Hot Water Provided By Next Portion Of The Building</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2039	**	4	\$500	

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FIRE DEPARTMENT - 057
ENGINE CO. 222/BATTALION 37/ COMBINED FACILITY 81ST PCT
Asset # : 13115

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Terminal Devices								
Convactor/Radiator	70%			2029	\$51,500	1	\$2,100	
Unit Heater - Hot Water	30%	Now	\$1,600	2026	\$16,000			
<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Split Unit	10%			2036	**			
Window/Wall Unit	50%			2026	\$17,000	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2036	**	1	\$300	
No Component	90%							
Heat Rejection								
Air Cooled Condenser Unit	10%			2036	**	2	\$600	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	60%			LIFE	**	2-5	\$3,100	
No Component	40%							
Exhaust Fans								
Roof	10%	0-2	\$300	2036	**	2		
<i>Dented, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Roof Kitchen Fan</i>								
Roof	50%			2036	**	2	\$100	
Wall Unit	10%			2026	\$400	2		
No Component	30%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		
Water Heater With Tanks								
Electric	100%			2026	\$23,100	4		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Two 120 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%	0-2	\$2,300	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
Storm Drain Piping								
Cast Iron	100%	0-2	\$600	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Yard</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 222/BATTALION 37/ COMBINED FACILITY 81ST PCT
Asset # : 13115

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Backflow Preventer Not Accessible	100%							
Fixtures								
Generic	100%							
Fire Suppression								
Standpipe Generic	100%			2041	**	1-5	\$4,600	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Stair</i>						
		<i>Explanation : Connections At 1st And 2nd Floors</i>						
Chemical System								
No Component Generic	99%							
	1%			2026	\$800	1-3	\$700	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : 1 Set</i>						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 224
Address : 274 HICKS STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.224 / 13116 **Yr Built/Renovated** : 1903 /
Area Sq Ft : 5,328 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Jun-2020 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 260 **Lot** : 36 **BIN** : 3002336

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$66,100	\$58,100
Interior Architecture	\$87,100	\$64,200
Electrical		\$69,700
Total	\$153,200	\$192,000
Importance Code A	\$66,100	\$58,100
Importance Code B	\$87,100	\$133,900
Total	\$153,200	\$192,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$37,500		\$5,700	
Interior Architecture	\$59,800		\$500	\$300
Electrical	\$5,100	\$100	\$53,200	
Mechanical	\$7,500	\$800	\$800	\$800
Total	\$109,900	\$800	\$60,100	\$1,100
Importance Code A	\$38,000	\$500	\$6,200	\$500
Importance Code B	\$57,600	\$300	\$54,000	\$600
Importance Code C	\$14,300			
Total	\$109,900	\$800	\$60,100	\$1,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 224
Asset # : 13116

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	60%			LIFE	**	5	\$16,000	
Masonry: Granite	5%	4+	\$3,400	LIFE	**	5	\$1,000	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%	4+	\$6,700	LIFE	**	5	\$2,000	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	20%			LIFE	**	5	\$4,000	
Wood Overhead Doors	5%			2036	**	5	\$6,700	
Windows								
Aluminum	100%	Now	\$66,100	2056	**	5	\$600	
<i>Air Infiltration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Second And Third Floor</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
<i>Hardware Missing, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	85%	4+	\$5,200	LIFE	**	5	\$1,900	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Pre-Cast Concrete	15%	4+	\$600	LIFE	**	5	\$2,100	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Roof								
Copper/Terne	15%			2046	**	10	\$2,300	
Modified Bitumen	80%	2-4	\$2,900	2031	\$58,100			
<i>Blisters, Extent : Light, Area Affected : 5%</i>								
<i>Location : Roof</i>								
Skylight, Metal/Glass	5%	2-4	\$18,700	2051	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Roof Skylight</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 224
Asset # : 13116

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$38,000	LIFE	**	5	\$7,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Slab Is Structurally Insufficient To Carry Current Loads</i>								
Ceramic Tile	10%			2034	**	5	\$900	
Quarry Tile	5%			2036	**	5	\$700	
Vinyl Tile	25%	0-2	\$1,300	2031	\$64,200	3	\$800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Stair</i>								
Wood	20%	2-4	\$2,200	2046	**	5	\$1,600	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	8%			2034	**	5	\$1,000	
Concrete Masonry Unit	5%			LIFE	**	5	\$200	
Gypsum Board	5%			LIFE	**	5	\$400	
Masonry: Brick	18%	4+	\$8,800	LIFE	**			
<i>Vertical Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Cellar</i>								
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Cellar</i>								
Masonry: Fieldstone	5%	4+	\$2,900	LIFE	**			
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Cellar Foundation Wall Adjacent To Stairwell</i>								
<i>Explanation : Eroded Mortar Joints</i>								
Plaster	34%	4+	\$2,100	LIFE	**	5	\$1,200	
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Stairwell</i>								
SGFT/Glazed Masonry	25%			LIFE	**			

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 224
Asset # : 13116

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	5%			2036	**	5	\$400	
Embossed Metal	65%	4+	\$3,600	LIFE	**	5	\$2,500	
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd And 3rd Floor</i>								
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%</i>								
<i>Location : 2nd Floor Gymnasium Area</i>								
Exposed Struc: Concrete	25%	Now	\$87,100	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout Cellar</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Cellar</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basemant Bilco Door</i>								
Gypsum Board	5%			LIFE	**	5	\$500	
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%			2041	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2031	\$16,200	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	\$69,700	5	\$100	
Raceway								
Conduit	90%			2041	**	1		
Conduit	10%	0-2	\$3,900	2061	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Panelboards								
Fused Disc Sw	20%			2030	\$10,600	5		
Molded Case Bkrs	60%			2030	\$31,900	5	\$100	
Molded Case Bkrs	20%			2039	**	5		
Wiring								
Thermoplastic	100%			2031	\$35,700	1		
Motor Controllers								
Locally Mounted	100%			2029	\$19,500	5		

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Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 224
Asset # : 13116

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%	0-2	\$1,100	LIFE	**	5	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Water Main In Basement</i>								
<i>Explanation : Corroded</i>								
Lighting								
Interior Lighting Fluorescent	95%			2026	\$47,100	10	\$4,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : T-8 Lamps</i>								
LED	5%			2039	**			
Exterior Lighting HID	5%			2026	\$1,300	10		
No Component	95%							
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	100%			2041	**	1		
Conversion Equipment Steam Boiler	100%			2044	**	1	\$5,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Natural Gas Fired Steam Boiler</i>								
Distribution Steam Piping/Pump	100%			2041	**			
Terminal Devices Convactor/Radiator	100%			2029	\$46,700	1	\$1,700	
Air Conditioning								
Energy Source Electricity	100%			2039	**	1		
Conversion Equipment Window/Wall Unit	40%	0-2	\$900	2029	\$8,700	1		
<i>Not in Service, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor</i>								
No Component	60%							
Ventilation								
Distribution Ductwork/Diffusers	5%	4+	\$2,500	LIFE	**	2-5	\$200	
<i>Corroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Kitchen Hood Duct</i>								
No Component	95%							

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 224
Asset # : 13116

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
	Exhaust Fans							
	Roof	15%			2031	\$1,700	2	
	No Component	85%						
Plumbing								
	H/C Water Piping							
	Brass/Copper	80%			2041	**	1	
	Galvanized Steel	20%	0-2	\$700	2029	\$14,600	1	
	<i>Corroded, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Water Main Valve, Basement</i>							
	Water Heater With Tanks							
	Gas Fired	100%			2029	\$18,300	2	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Two 75 Gallon Units</i>							
	Sanitary Piping							
	Cast Iron	100%	0-2	\$1,400	LIFE	**	1	
	<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : Front Side Of Basement And 2nd Floor Office Restroom</i>							
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2024	\$200	4	\$200
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	No Component	99%						
	Generic	1%			2024	\$900	1-3	\$800
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Kitchen</i>							
	<i>Explanation : 1 Set</i>							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 225 / LADDER 107 / BATTALION 39
Address : 799 LINCOLN AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.225 / 13117 **Yr Built/Renovated** : 1970 /
Area Sq Ft : 8,320 **Project Type** : FIRE DEPARTMENT
Date of Survey : 12-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 4271 **Lot** : 75 **BIN** : 3095894

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$95,500	\$124,600
Mechanical		\$39,900
Total	\$95,500	\$164,500
Importance Code A	\$95,500	\$124,600
Importance Code B		\$39,900
Total	\$95,500	\$164,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$89,900		\$4,100	
Interior Architecture	\$36,400		\$300	\$400
Electrical	\$3,200	\$600	\$700	\$600
Mechanical	\$13,600	\$700	\$25,100	\$1,000
Site Pavements	\$3,200			
Total	\$146,300	\$1,300	\$30,200	\$2,000
Importance Code A	\$90,300	\$400	\$4,500	\$400
Importance Code B	\$42,600	\$900	\$25,700	\$1,500
Importance Code C	\$13,300			
Total	\$146,300	\$1,300	\$30,200	\$2,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 225 / LADDER 107 / BATTALION 39
Asset # : 13117

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	5%	Now	\$28,400	LIFE	**	5	\$900	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Steel Cap At Chimney</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Vertical And Horizontal Cracks On Chimney At Roof</i>								
Masonry: Brick Cavity	55%	4+	\$16,500	LIFE	**	5	\$9,700	
<i>Graffiti, Extent : Light, Area Affected : 10%</i>								
<i>Location : Rear Facade</i>								
Metal Sect. OHD	10%			2036	**	5	\$5,500	
Stucco Cement	30%	4+	\$5,900	2044	**	5	\$6,600	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Exterior Soffit At Side Entrance Of Building</i>								
Windows								
Aluminum	100%	Now	\$95,500	2056	**	5	\$1,000	
<i>Air Infiltration, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Hardware Missing, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Thermally Inefficient</i>								
Parapets								
Metal Panel	10%			2041	**	5	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Roof Parapet</i>								
<i>Explanation : Metal Coping</i>								
Metal Rail	60%	4+	\$1,800	2036	**	5	\$9,600	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Of Building</i>								
Stucco Cement	30%			2036	**	5	\$1,800	
Roof								
Modified Bitumen	100%	Now	\$37,400	2031	\$124,600			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Chimney</i>								
<i>Patching Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
<i>Ponding, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 225 / LADDER 107 / BATTALION 39
Asset # : 13117

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	60%	Now	\$12,400	LIFE	**	5	\$16,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
Ceramic Tile	10%			2034	**	5	\$1,200	
Terrazzo	5%			LIFE	**	5	\$500	
Vinyl Tile	25%			2036	**	3	\$1,600	
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	10%	Now	\$2,100	2034	**	5	\$1,000	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Concrete Masonry Unit	5%			LIFE	**	5	\$400	
Masonry: Brick	2%			LIFE	**			
Plaster	35%	0-2	\$8,000	LIFE	**	5	\$2,000	
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Stairwell</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Stairwell</i>								
SGFT/Glazed Masonry	35%			LIFE	**			
Wood	3%			LIFE	**	5	\$2,300	
Ceilings								
AcousTileSusp.Lay-In	5%			2036	**	5	\$600	
Exposed Struc: Concrete	20%	2-4	\$7,300	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Basement</i>								
Plaster	75%	Now	\$5,500	LIFE	**	5	\$5,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Gymnasium</i>								
<i>Patching Evident, Extent : Light, Area Affected : 5%</i>								
<i>Location : Stairwell Roof Hatch</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Duct Soffit In 2nd Floor Lounge And Chief Office</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2051	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2044	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 225 / LADDER 107 / BATTALION 39
Asset # : 13117

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Parking/Driveway

Asphalt	20%			2034		**		
Cast in Place Concrete	80%	2-4	\$3,200	2036		**		

Cracking/Crumbling, Extent : Light, Area Affected : 1%

Location : Overhead Door Apron

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2041		**	5	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : Main Service Disconnect Switch Rated At 400 Amperes

Switchgear / Switchboard

Molded Case Bkrs	100%			2041		**	5	\$200
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Raceway

Conduit	85%			2041		**	1	
Conduit	15%			2051		**	1	

Panelboards

Molded Case Bkrs	85%			2039		**	5	\$200
Molded Case Bkrs	15%			2047		**	5	

Wiring

Thermoplastic	85%			2041		**	1	
Thermoplastic	15%			2051		**	1	

Motor Controllers

Locally Mounted	100%			2036		**	5	\$100
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Ground

Grounding Devices

Generic	100%			LIFE		**	5	\$100
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Stand-by Power

Transfer Switches

Automatic	100%			2036		**	1	\$2,600
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Generators

Diesel	100%			2034		**	1	\$3,200
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Other Observation, Extent : Light, Area Affected : 100%

Location : Side Yard

Explanation : 81 Kilovolt Amperes

Batteries

Lead/Acid	100%			2024	\$2,400		5	\$300
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FIRE DEPARTMENT - 057
ENGINE CO. 225 / LADDER 107 / BATTALION 39
Asset # : 13117

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Fuel Storage								
Day Tank	10%			2039	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : 60 Gallons Rated Capacity</i>								
Main Tank	90%			2046	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 550 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
LED	100%			2036	**			
Egress Lighting								
Emergency, Service	50%			2031	\$2,500	1		
Exit, Service	50%			2031	\$1,800	1		
Exterior Lighting								
LED	30%			2036	**			
No Component	70%							
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2041	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2048	**	1	\$4,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 New Unit</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2039	**	4	\$400	
Terminal Devices								
Convactor/Radiator	60%			2029	\$39,900	1	\$1,600	
Convactor/Radiator	20%			2044	**	1	\$500	
Unit Heater - Hot Water	20%			2026	\$9,600			
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 225 / LADDER 107 / BATTALION 39
Asset # : 13117

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Exterior Pkg Unit - Cooling	15%	Now	\$1,300	2026	\$13,400	2	\$100	
<i>Leak Evident, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Condensate Leaking To 2nd Floor</i>								
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1 Unit On Roof</i>								
Window/Wall Unit	20%			2024	\$6,200	1		
Window/Wall Unit	25%			2029	\$7,700	1		
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	25%	2-4	\$1,800	LIFE	**	2-5	\$1,200	
<i>Corroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Kitchen Hood Exhaust Duct</i>								
No Component	75%							
Exhaust Fans								
Roof	15%			2039	**	2		
Roof	10%			2031	\$1,600	2		
Wall Unit	50%	0-2	\$1,800	2041	**	2	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : 2 Units, On Extended Life Time</i>								
No Component	25%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		
Water Heater With Tanks								
Gas Fired	100%			2029	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 74 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	70%			2026	\$1,100	4	\$100	
Submersible	30%	0-2	\$200	2024	\$800	4	\$100	
<i>Not in Service, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Gymnasium In Basement</i>								
Backflow Preventer								
No Component	95%							
Generic	5%			2036	**	1		
Fixtures								
Generic	100%							

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FIRE DEPARTMENT - 057
ENGINE CO. 225 / LADDER 107 / BATTALION 39
Asset # : 13117

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression								
Chemical System								
	No Component	99%						
	Generic	1%			2024	\$800	1-3	\$800

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 226
Address : 409 STATE STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.226 / 13118 **Yr Built/Renovated** : 1889 /
Area Sq Ft : 3,718 **Project Type** : FIRE DEPARTMENT
Date of Survey : 19-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 172 **Lot** : 48 **BIN** : 3000562

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$104,100	
Interior Architecture	\$72,700	\$69,000
Total	\$176,800	\$69,000
Importance Code A	\$104,100	
Importance Code B	\$72,700	\$69,000
Total	\$176,800	\$69,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$10,400		\$13,500	
Interior Architecture	\$44,000		\$700	\$300
Electrical	\$300	\$2,700	\$3,600	\$300
Mechanical	\$600	\$500	\$3,600	\$500
Site Enclosure	\$21,300			
Total	\$76,700	\$3,200	\$21,300	\$1,100
Importance Code A	\$10,800	\$400	\$13,900	\$400
Importance Code B	\$41,700	\$2,900	\$7,500	\$700
Importance Code C	\$24,200			
Total	\$76,700	\$3,200	\$21,300	\$1,100



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FIRE DEPARTMENT - 057
ENGINE CO. 226
Asset # : 13118

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$104,100	LIFE	**	5	\$12,900	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : North Facade</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North Facade</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : South Facade</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Foundation</i>								
Masonry: Limestone	10%			LIFE	**	5	\$1,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Cornice At South Facade</i>								
<i>Explanation : Painted Surface</i>								
Wood Overhead Doors	10%			2036	**	5	\$8,100	
Windows								
Aluminum	100%	4+	\$4,500	2039	**	5	\$500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	50%			LIFE	**	5	\$900	
Metal Panel	25%			2051	**	5	\$1,700	
Metal Rail	20%			2036	**	5-10	\$6,400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : South Parapet</i>								
<i>Explanation : Ornamental Cast Iron</i>								
Pre-Cast Concrete	5%			LIFE	**	5	\$600	
Roof								
Modified Bitumen	85%			2036	**	10	\$4,700	
Roll Roofing	15%			2024	\$5,200	5	\$1,400	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over Kitchen</i>								
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$25,500	LIFE	**	5	\$5,600	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Apparatus Floor Supported By Temporary Columns</i>								
Mosaic Tile	10%			2036	**	5	\$1,400	
Vinyl Tile	45%	2-4	\$13,800	2031	\$69,000	3	\$1,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								

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**FIRE DEPARTMENT - 057
ENGINE CO. 226
Asset # : 13118**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Masonry: Brick	10%	4+	\$2,900	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	80%			LIFE	**	5	\$1,900	
Wood	10%			LIFE	**	5	\$3,100	
Ceilings								
AcousTileSusp.Lay-In	10%	4+	\$1,800	2036	**	5	\$300	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Bunkroom And Office</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Bunkroom And Office</i>								
Embossed Metal	55%			LIFE	**	5	\$1,400	
<i>Paint Peeling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Concrete	35%	Now	\$72,700	LIFE	**	5	\$300	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Steel Beams</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Slab</i>								
<i>Explanation : Support Of Apparatus Floor Is Reinforced With Lally Columns</i>								
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%	Now	\$21,300	2041	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Rear Yard</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Rear Yard</i>								
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Rear Yard</i>								
<i>Explanation : Vertical Cracking</i>								
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	100%			2036	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2051	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 226
Asset # : 13118

System Component Type	Current Repair		Future Replacement		Maintenance		Priority	
	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Under 600 Volts								
Raceway								
Conduit	50%		2051	**	1			
Conduit	50%		2041	**	1			
Panelboards								
Molded Case Bkrs	50%		2047	**	5			
Molded Case Bkrs	50%		2039	**	5			
Wiring								
Thermoplastic	100%		2051	**	1			
Ground								
Grounding Devices								
Generic	100%		LIFE	**	5	\$100		
Stand-by Power								
Transfer Switches								
Automatic	100%		2044	**	1	\$1,100		
Generators								
Diesel	100%		2040	**	1	\$1,400		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Backyard</i>					
			<i>Explanation : Emergency Generator Rated At 60 Kilowatts</i>					
Batteries								
Lead/Acid	100%		2025	\$2,400	5	\$100		
Fuel Storage								
Main Tank	100%		2059	**	5			
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Backyard</i>					
			<i>Explanation : 50 Gallons Rated Capacity</i>					
Lighting								
Interior Lighting								
Fluorescent	94%		2036	**	10	\$3,200		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
			<i>Explanation : T-8 Lamps</i>					
Fluorescent	3%		2036	**	10	\$100		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : Compact Fluorescent Lights</i>					
LED	3%		2039	**				
Egress Lighting								
Emergency, Service	100%		2036	**	1			
Exterior Lighting								
HID	20%		2036	**	10			
No Component	80%							
Alarm								

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FIRE DEPARTMENT - 057
ENGINE CO. 226
Asset # : 13118

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Security System

No Component

90%

Generic

10%

2039

* *

1

\$100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Front Of The Building**Explanation : CCTV Surveillance Cameras*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2041

* *

1

*Recent Replace Evident, Extent : N/A, Area Affected : 100%**Location : Total House*

Conversion Equipment

Steam Boiler

100%

2044

* *

1

\$3,700

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 1 Unit*

Distribution

Steam Piping/Pump

100%

2031

\$29,100

Terminal Devices

Convactor/Radiator

100%

2029

\$29,700

1

\$1,200

Air Conditioning

Energy Source

Electricity

100%

2039

* *

1

Conversion Equipment

Exterior Pkg Unit -

Cooling

30%

2036

* *

2

\$100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Roof**Explanation : 1 Unit. R-410a*

Split Unit

10%

2036

* *

Window/Wall Unit

20%

2026

\$2,800

1

No Component

40%

Terminal Devices

Fan Coil - 2 Pipe

10%

2036

* *

1

\$100

No Component

90%

Heat Rejection

Air Cooled Condenser

10%

2036

* *

2

\$300

Unit

No Component

90%

Ventilation

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 226
Asset # : 13118

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation									
Distribution									
	Ductwork/Diffusers	80%			LIFE	* *	2-5	\$1,700	
	No Component	20%							
Exhaust Fans									
	Roof	50%			2036	* *	2	\$100	
	Wall Unit	10%			2036	* *	2		
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
				<i>Location : Kitchen Hood</i>					
				<i>Explanation : 1 Set</i>					
	No Component	40%							
				<i>Other Observation, Extent : Light, Area Affected : 0%</i>					
				<i>Location : Apparatus Floor</i>					
				<i>Explanation : No Exhaust Fan, Poor Air Circulation.</i>					
Plumbing									
H/C Water Piping									
	Brass/Copper	100%			2041	* *	1		
Water Heater With Tanks									
	Gas Fired	100%			2029	\$16,700	2		
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
				<i>Location : Basement</i>					
				<i>Explanation : Two 74 Gallon</i>					
Sanitary Piping									
	Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping									
	Cast Iron	95%			LIFE	* *	1		
	Cast Iron	5%	0-2	\$100	LIFE	* *	1		
				<i>Blockage /Clogged, Extent : Moderate, Area Affected : 20%</i>					
				<i>Location : Roof</i>					
Fixtures									
	Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 227
Address : 423 RALPH AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.227 / 13119 **Yr Built/Renovated** : 1907 /
Area Sq Ft : 8,440 **Project Type** : FIRE DEPARTMENT
Date of Survey : 16-Oct-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Floors 1,2,3
Block : 1445 **Lot** : 2 **BIN** : 3038838

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Mechanical		\$111,400
Total		\$111,400
Importance Code A		\$57,500
Importance Code B		\$53,900
Total		\$111,400

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$9,000			
Interior Architecture		\$600	\$1,600	\$3,000
Electrical	\$700	\$600	\$600	\$11,400
Mechanical	\$14,100	\$1,900	\$3,500	\$38,000
Site Enclosure	\$1,900			
Total	\$25,700	\$3,100	\$5,700	\$52,500
Importance Code A	\$9,800	\$700	\$800	\$700
Importance Code B	\$14,000	\$1,800	\$4,900	\$51,800
Importance Code C	\$1,900	\$600		
Total	\$25,700	\$3,100	\$5,700	\$52,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 227
Asset # : 13119

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$7,300	
<i>Recent Construction, Extent : N/A, Area Affected : 80%</i>								
<i>Location : Exterior Facades</i>								
Masonry: Granite	2%			LIFE	**	5	\$100	
Masonry: Limestone	10%			LIFE	**	5	\$700	
<i>Recent Repair Evident, Extent : N/A, Area Affected : 80%</i>								
<i>Location : All Facades</i>								
Metal Sect. OHD	8%	Now	\$5,200	2037	**	5	\$1,100	
<i>Unit Inoperable, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Garage Overhead Door</i>								
Windows								
Aluminum	85%	0-2	\$3,600	2040	**	5	\$100	
<i>Air Infiltration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Front And Rear Windows</i>								
Steel	15%			2054	**	5	\$600	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 40%</i>								
<i>Location : All Facades</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$300	
<i>Recent Repair Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : All Facades</i>								
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : All Facades</i>								
Masonry: Brick	75%			LIFE	**	5	\$300	
<i>Other Observation, Extent : N/A, Area Affected : 80%</i>								
<i>Location : All Facades And New Roofing</i>								
<i>Explanation : Per Fire House, The Building Was Recently Rehab And Reconstructed</i>								
Metal Cornice	15%			2060	**	10	\$200	
<i>Recent Repair Evident, Extent : N/A, Area Affected : 80%</i>								
<i>Location : All Facades</i>								
Roof								
Built-Up (BUR)	60%			2042	**	10	\$6,700	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Lower And Upper Roof</i>								
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Lower And Upper Roof</i>								
<i>Explanation : Per Fire House, New Roof Was Installed Recently</i>								
Modified Bitumen	40%			2032	\$47,900	10	\$4,500	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Upper And Lower Roof</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 227
Asset # : 13119

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$14,000	
			<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Entire Apparatus Floor Area</i>					
Ceramic Tile	25%			2041	**	5	\$3,200	
			<i>Recent Repair Evident, Extent : N/A, Area Affected : 25%</i>					
			<i>Location : Gymnasium, Kitchen Bathrooms And Common Area</i>					
Wood	25%			2067	**	5	\$6,000	
			<i>Recent Repair Evident, Extent : N/A, Area Affected : 80%</i>					
			<i>Location : Hallway, Locker Room And Offices</i>					
Interior Walls								
Ceramic Tile	30%			2045	**	5	\$1,100	
			<i>Recent Construction, Extent : N/A, Area Affected : 80%</i>					
			<i>Location : Kitchen, Bathrooms And Janitor Closet</i>					
Masonry: Brick	20%			LIFE	**			
			<i>Recent Repair Evident, Extent : N/A, Area Affected : 80%</i>					
			<i>Location : All Interior Walls</i>					
Plaster	20%			LIFE	**	5	\$200	
			<i>Recent Replace Evident, Extent : N/A, Area Affected : 80%</i>					
			<i>Location : All Interior Walls</i>					
SGFT/Glazed Masonry	15%			LIFE	**			
Wood	15%			LIFE	**	5	\$2,200	
Ceilings								
Embossed Metal	20%			LIFE	**	5	\$1,200	
			<i>Recent Repair Evident, Extent : N/A, Area Affected : 80%</i>					
			<i>Location : Throughout</i>					
Exposed Struc: Concrete	25%			LIFE	**	5	\$500	
			<i>Recent Repair Evident, Extent : N/A, Area Affected : 80%</i>					
			<i>Location : Throughout</i>					
Exposed Struc: Concrete	5%			LIFE	**	5	\$100	
			<i>Recent Repair Evident, Extent : N/A, Area Affected : 80%</i>					
			<i>Location : Rear Storage</i>					
Plaster	50%			LIFE	**	5	\$4,200	
			<i>Recent Repair Evident, Extent : N/A, Area Affected : 80%</i>					
			<i>Location : Throughout</i>					
Site Enclosure								
Fence/Gates								
Chain Link	100%	0-2	\$1,900	2042	**			
			<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 40%</i>					
			<i>Location : Rear Yard</i>					
Free Standing Walls								
Masonry: Brick	100%			2058	**			
			<i>Other Observation, Extent : N/A, Area Affected : 80%</i>					
			<i>Location : Rear Yard Walls</i>					
			<i>Explanation : Recent Repair</i>					

Site Pavements

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 227
Asset # : 13119

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Public Sidewalk

Cast in Place Concrete

100%

2049

* *

*Other Observation, Extent : N/A, Area Affected : 90%**Location : Sidewalk**Explanation : Recently Replaced*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw

100%

2062

* * 5

*Recent Installation, Extent : N/A, Area Affected : 100%**Location : Basement Electrical Room**Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement Electrical Room**Explanation : One 400 Ampere Main Disconnect Switch*

Raceway

Conduit

100%

2058

* * 1

Panelboards

Molded Case Bkrs

100%

2054

* * 5 \$200

Wiring

Thermoplastic

100%

2058

* * 1

Motor Controllers

Locally Mounted

100%

2049

* * 5 \$100

Ground

Grounding Devices

Generic

100%

LIFE

* * 5 \$100

Stand-by Power

Transfer Switches

Automatic

100%

2049

* * 1 \$2,600

Generators

Diesel

100%

2045

* * 1 \$3,300

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement**Explanation : 51.25 Kilovolt Amperes 208 Volt*

Batteries

Lead/Acid

100%

2027

\$2,400 5 \$300

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FIRE DEPARTMENT - 057
ENGINE CO. 227
Asset # : 13119

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Fuel Storage								
Day Tank	20%			2054	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Generator Room</i>								
<i>Explanation : 25 Gallons</i>								
Main Tank	80%			2067	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Generator Room</i>								
<i>Explanation : 600 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent	5%			2027	\$3,600	10	\$400	
<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Ground Floor</i>								
LED	95%			2037	**			
Egress Lighting								
Emergency, Service	50%			2027	\$2,500	1		
Exit, Service	50%			2027	\$1,800	1		
Exterior Lighting								
LED	20%			2040	**			
No Component	80%							
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	80%			2052	**	1		
<i>Recent Repair Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement: Recently Repaired Gas Line</i>								
Solar Panels	20%			2058	**	2	\$100	
<i>Recent Installation, Extent : N/A, Area Affected : 20%</i>								
<i>Location : First Floor: First Floor Has Solar Radiant Heating</i>								
Conversion Equipment								
Radiant Heater	20%			2042	**	2	\$800	
Steam Boiler	80%			2030	\$57,500	1	\$6,700	
Distribution								
Steam Piping/Pump	80%			2042	**			
No Component	20%							
Terminal Devices								
Convactor/Radiator	80%			2030	\$53,900	1	\$2,200	
Unit Heater - Steam	20%			2032	\$9,400	4	\$200	
Air Conditioning								
Energy Source								
Electricity	100%			2048	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 227
Asset # : 13119

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	50%			2040	**	2	\$300
<i>Recent Installation, Extent : N/A, Area Affected : 50%</i>								
<i>Location : 1st Floor Roof: External Package Unit With Ducting</i>								
	Window/Wall Unit	50%			2027	\$15,600	1	
Distribution								
	Ductwork/Diffusers	50%			LIFE	**	2	\$5,500
	No Component	50%						
Terminal Devices								
	Air Handler/Cool/Ht	50%			2037	**	1	\$2,600
	No Component	50%						
Ventilation								
Exhaust Fans								
	Interior	50%			2027	\$18,300	2	\$100
	Roof	50%			2032	\$8,000	2	\$100
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2042	**	1	
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Water Heater With Tanks								
	Gas Fired	100%			2030	\$16,700	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping								
	Cast Iron	100%	2-4	\$10,400	LIFE	**	1	
<i>Corroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2024	\$300	4	\$300
Backflow Preventer								
	Generic	100%			2040	**	1	\$500
Fixtures								
	Generic	100%						
Fire Suppression								
Standpipe								
	Generic	100%			2042	**	1-5	\$4,400
Chemical System								
	Wet	10%			2030	\$8,000	1-3	\$9,300
	No Component	90%						

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 228
Address : 436 39th STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.228 / 13120 **Yr Built/Renovated** : 1897 /
Area Sq Ft : 3,519 **Project Type** : FIRE DEPARTMENT
Date of Survey : 08-Jul-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 709 **Lot** : 19 **BIN** : 3010534

CAPITAL		FY 2024 - 2027	FY 2028 - 2033
Electrical			\$63,500
Total			\$63,500
Importance Code B			\$63,500
Total			\$63,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$100,100		\$5,300	\$100
Interior Architecture	\$30,500	\$200	\$700	
Electrical			\$100	
Mechanical	\$4,500	\$400	\$3,200	\$400
Total	\$135,000	\$600	\$9,200	\$500
Importance Code A	\$100,300	\$200	\$5,500	\$200
Importance Code B	\$12,500	\$400	\$3,700	\$300
Importance Code C	\$22,200			
Total	\$135,000	\$600	\$9,200	\$500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 228
Asset # : 13120

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	0-2	\$22,000	LIFE	**	5	\$13,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East, South And West Facades Along Top</i>								
Masonry: Sandstone	10%	Now	\$23,300	LIFE	**	5	\$1,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Above Over Head Door</i>								
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Over Head Door Surround</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Front Facade</i>								
<i>Spalling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Top Of Front Facade</i>								
Wood Overhead Doors	10%			2036	**	5	\$8,600	
Windows								
Aluminum	25%			2047	**	5	\$100	
Metal/Detention Type	25%	Now	\$28,500	2061	**	5	\$200	
<i>Air Infiltration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Clerestory Windows At Rear Of Building</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Clerestory Windows At Rear Of Building</i>								
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Clerestory Windows At Rear Of Building</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Clerestory Windows At Rear Of Building</i>								
Wood	50%	Now	\$6,300	2056	**	5	\$1,300	
<i>Air Infiltration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor Gymnasium</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor Gymnasium</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 25%</i>								
<i>Location : 2nd Floor Gymnasium</i>								
Parapets								
Masonry: Brick	40%			LIFE	**	5	\$500	
Masonry: Sandstone	15%			LIFE	**	5	\$200	
Metal Panel	45%			2041	**	5	\$2,000	

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 228
Asset # : 13120

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Asphalt Shingle	20%			2034	**	10	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Back Yard</i>								
<i>Explanation : Shed Roof</i>								
Modified Bitumen	75%	Now	\$19,800	2031	\$49,400			
<i>Drains Clogged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Upper And Lower Roof</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Lower Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Lower Roof Into Kitchen</i>								
Skylight, Metal/Glass	5%			2041	**	10	\$1,000	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 25%</i>								
<i>Location : Upper Roof</i>								
Interior								
Floors								
Cast in Place Concrete	60%	0-2	\$5,900	LIFE	**	5	\$7,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor, Weight Room In Cellar</i>								
Quarry Tile	15%			2036	**	5	\$1,300	
Vinyl Tile	25%			2031	\$40,100	3	\$600	
Interior Walls								
Ceramic Tile	10%			2034	**	5	\$800	
Gypsum Board	10%			LIFE	**	5	\$500	
Masonry: Brick	30%	Now	\$21,900	LIFE	**			
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Basement Throughout</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement At Front Of Building</i>								
Plaster	50%			LIFE	**	5	\$1,200	
Ceilings								
Embossed Metal	35%	Now	\$1,200	LIFE	**	5	\$900	
<i>Deformed/Dented, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Kitchen Area Over Sink</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Kitchen Area Over Sink</i>								
Exposed Struc: Concrete	30%			LIFE	**	5	\$300	
Metal Panel	5%			LIFE	**	5	\$400	
Plaster	30%	Now	\$1,100	LIFE	**	5	\$1,100	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 228
Asset # : 13120

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Enclosure

Fence/Gates

Chain Link

100%

2041

* *

Site Pavements

Public Sidewalk

Cast in Place Concrete

100%

2044

* *

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw

100%

2031

\$14,700

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Main Service Disconnect Switch Rated At 200 Amperes.*

Switchgear / Switchboard

Molded Case Bkrs

100%

2031

\$63,500

5

\$100

Raceway

Conduit

100%

2031

\$36,000

1

Panelboards

Fused Disc Sw

10%

2030

\$4,800

5

Molded Case Bkrs

90%

2030

\$43,600

5

\$100

Wiring

Thermoplastic

100%

2031

\$32,500

1

Ground

Grounding Devices

Generic

100%

LIFE

* *

5

\$100

Lighting

Interior Lighting

LED

100%

2039

* *

Exterior Lighting

LED

10%

2039

* *

No Component

90%

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2051

* *

1

Conversion Equipment

Hot Water Boiler

100%

2044

* *

1

\$1,700

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 1 Unit*

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 228
Asset # : 13120

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Hot Wtr Piping/Pump	100%			2030	\$7,500	4	\$200	
Terminal Devices								
Convactor/Radiator	100%			2029	\$28,100	1	\$1,100	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Split Unit	15%			2036	**			
Window/Wall Unit	20%	2-4	\$1,600	2031	\$2,600	1		
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								
Window/Wall Unit	20%			2026	\$2,600	1		
No Component	45%							
Terminal Devices								
Fan Coil - 2 Pipe	15%			2036	**	1	\$200	
No Component	85%							
Heat Rejection								
Air Cooled Condenser Unit	15%			2036	**	2	\$400	
No Component	85%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$200	
No Component	90%							
Exhaust Fans								
Interior	10%			2031	\$1,500	2		
Wall Unit	25%	2-4	\$400	2041	**	2		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : On Extended Life Time</i>								
No Component	65%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		
Water Heater With Tanks								
Gas Fired	100%			2029	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units</i>								
Sanitary Piping								
Cast Iron	100%	0-2	\$900	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Entrance</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 228
Asset # : 13120

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Storm Drain Piping Cast Iron	100%	0-2	\$200	LIFE	**	1	
<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen Roof</i>								
	Sump Pump(s) Submersible	100%			2024	\$100	4	\$100
	Fixtures Generic	100%						
Fire Suppression								
	Chemical System No Component Generic	99%			2024	\$800	1-3	\$800
<i>1%</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 229/LADDER 146
Address : 75 RICHARDSON STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.229 / 13121 **Yr Built/Renovated** : 1913 /
Area Sq Ft : 8,184 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2722 **Lot** : 28 **BIN** : 3067898

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture		\$160,800
Interior Architecture	\$231,100	\$168,100
Electrical	\$3,500	\$55,500
Mechanical		\$129,400
Total	\$234,600	\$513,800
Importance Code A		\$160,800
Importance Code B	\$234,600	\$353,000
Total	\$234,600	\$513,800

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$45,000			
Interior Architecture	\$135,500	\$800	\$900	
Electrical	\$3,700	\$100	\$4,700	
Mechanical	\$24,500	\$1,200	\$9,000	\$1,200
Site Enclosure	\$4,300			
Total	\$213,000	\$2,000	\$14,500	\$1,300
Importance Code A	\$45,800	\$800	\$800	\$800
Importance Code B	\$84,700	\$1,200	\$13,700	\$400
Importance Code C	\$82,500			
Total	\$213,000	\$2,000	\$14,500	\$1,300



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 229/LADDER 146
Asset # : 13121

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%			LIFE	**	5	\$19,700	
<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>								
<i>Location : West Facade</i>								
Masonry: Granite	2%	0-2	\$3,600	LIFE	**	5	\$300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Front Facade</i>								
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Front Facade</i>								
Masonry: Limestone	5%			LIFE	**	5	\$900	
Wood Overhead Doors	8%			2029	\$52,000	5	\$9,300	
Windows								
Aluminum	100%	Now	\$2,100	2039	**	5		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1st, 2nd And 3rd Floor</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd And 3rd Floor</i>								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$1,600	
Masonry: Brick	80%	4+	\$2,000	LIFE	**	5	\$800	
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Parapet Wall And Lower Roof Parapet</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>								
<i>Location : West Facade</i>								
Roof								
Modified Bitumen	100%	Now	\$32,700	2031	\$108,800			
<i>Blisters, Extent : Light, Area Affected : 5%</i>								
<i>Location : Main Roof And Roof Hatch</i>								
<i>Ponding, Extent : Moderate, Area Affected : 3%</i>								
<i>Location : 1st Floor Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Above Kitchen</i>								
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 229/LADDER 146
Asset # : 13121

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$46,000	LIFE	**	5	\$12,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Temporary Columns In Cellar</i>								
Mosaic Tile	5%			2036	**	5	\$1,700	
Terrazzo	5%	Now	\$6,300	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Stairs</i>								
Vinyl Tile	45%			2031	\$168,100	3	\$2,300	
Wood	5%			2059	**	5	\$1,300	
Interior Walls								
Ceramic Tile	10%			2034	**	5	\$1,500	
Ceramic Tile	20%	4+	\$32,100	2034	**	5	\$1,500	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Apparatus Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Apparatus Floor</i>								
Masonry: Brick	20%	Now	\$27,700	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Plaster	50%	0-2	\$17,700	LIFE	**	5	\$2,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Locker Room, 3rd Floor, Roof Scuttle, Stairwell</i>								
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>								
<i>Location : Stairwell At Second Floor And Basement</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 229/LADDER 146
Asset # : 13121

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	10%	2-4	\$500	2044	**	5	\$800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Office And Bunk Room</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 1%</i>								
<i>Location : Office And Bunk Room</i>								
Exposed Struc: Concrete	50%	Now	\$231,100	LIFE	**	5	\$1,200	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Steel Beams In Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Basement Steel Beams Exposed</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Temporary Supports In Cellar</i>								
Plaster	40%	4+	\$3,800	LIFE	**	5	\$3,900	
<i>Water Penetration, Extent : Light, Area Affected : 1%</i>								
<i>Location : Stairwell At Second Floor, And Kitchen Pantry</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$4,300	2041	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Both Side Alley</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Both Side Alley</i>								
<i>Explanation : Leaning</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2036	**			
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2041	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2041	**	5	\$200	
Raceway								
Conduit	80%			2031	\$28,800	1		
Conduit	20%			2041	**	1		
Panelboards								
Molded Case Bkrs	50%			2030	\$24,200	5	\$100	
Molded Case Bkrs	50%			2039	**	5	\$100	

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Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 229/LADDER 146
Asset # : 13121

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Wiring								
Thermoplastic	100%			2041	**	1		
Motor Controllers								
Locally Mounted	100%			2036	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	5%			2026	\$3,500	10	\$400	
Fluorescent	80%			2031	\$55,500	10	\$6,000	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st, 2nd, 3rd Floor</i>						
		<i>Explanation : T-8 Lamps</i>						
Fluorescent	13%	Now	\$3,600	2041	**			
		<i>Other Observation, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : 1st, 2nd, 3rd Floor</i>						
		<i>Explanation : T-8 Lamps</i>						
		<i>Not Functional</i>						
Incandescent	2%			2026	\$2,000	2		
Exterior Lighting								
HID	5%			2031	\$1,900	10		
Incandescent	5%			2026	\$2,100	2		
LED	5%			2039	**			
No Component	85%							
Alarm								
Security System								
No Component	90%							
Generic	10%			2039	**	1	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Front Of The Building</i>						
		<i>Explanation : CCTV Surveillance Cameras</i>						

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2041	**	1		
Conversion Equipment								
Steam Boiler	100%			2048	**	1	\$8,100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 229/LADDER 146
Asset # : 13121

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Steam Piping/Pump	100%	0-2	\$1,300	2031	\$64,000			
<i>Corroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Terminal Devices								
Convactor/Radiator	100%			2029	\$65,400	1	\$2,600	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Split Unit	10%			2036	**			
Window/Wall Unit	15%	0-2	\$2,700	2031	\$4,500	1		
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd And 3rd Floors</i>								
Window/Wall Unit	25%			2026	\$7,600	1		
No Component	50%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2036	**	1	\$300	
No Component	90%							
Heat Rejection								
Air Cooled Condenser Unit	10%			2036	**	2	\$600	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%	0-2	\$1,400	LIFE	**	2-5	\$900	
<i>Abandoned in Place, Extent : Light, Area Affected : 40%</i>								
<i>Location : Apparatus Floor</i>								
<i>Needs Cleaning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : It Has Not Been Used Since The Exhaust Fan Being Removed.</i>								
No Component	80%							
Exhaust Fans								
Wall Unit	15%			2031	\$500	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen Hood</i>								
<i>Explanation : 1 Hood Exhaust</i>								
Wall Unit	75%	Now	\$2,600	2041	**	2	\$200	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : The Exhaust Fan Has Not Been Reinstalled Back To The Apparatus Floor Causing Air Circulation Issue.</i>								
No Component	10%							

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 229/LADDER 146
Asset # : 13121

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
H/C Water Piping Brass/Copper	20%	0-2	\$400	2041	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Insulation</i>								
Brass/Copper	80%			2041	**	1		
Water Heater With Tanks								
Gas Fired	50%	Now	\$200	2031	\$8,300	2		
<i>On Extended Life, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : 1 Of 2 Units Obsolete</i>								
Gas Fired	50%			2024	\$8,300	2		
Sanitary Piping								
Cast Iron	10%	Now	\$4,000	LIFE	**	1		
<i>Damaged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Causing Serious Flooding At The Back Yard.</i>								
Cast Iron	90%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	80%			LIFE	**	1		
Cast Iron	20%	2-4	\$1,100	LIFE	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Sump Pump(s)								
Submersible	100%			2024	\$200	4	\$300	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2024	\$800	1-3	\$800	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 23
Address : 215 WEST 58th STREET @ 7TH AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.023 / 13017 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 6,108 **Project Type** : FIRE DEPARTMENT
Date of Survey : 25-Jun-2020 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Roof, Floors 1,2,3
Block : 1030 **Lot** : 23 **BIN** : 1024915

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$473,600	
Mechanical		\$155,500
Total	\$473,600	\$155,500
Importance Code A	\$473,600	
Importance Code B		\$155,500
Total	\$473,600	\$155,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$36,200		\$7,200	
Interior Architecture	\$40,000			\$9,200
Electrical	\$200			
Mechanical	\$35,400	\$1,200	\$4,300	\$1,000
Total	\$111,800	\$1,200	\$11,600	\$10,300
Importance Code A	\$39,200	\$500	\$7,700	\$500
Importance Code B	\$38,900	\$800	\$3,900	\$9,800
Importance Code C	\$33,700			
Total	\$111,800	\$1,200	\$11,600	\$10,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 23
Asset # : 13017

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%			LIFE	**	5	\$22,900	
Masonry: Limestone	15%	2-4	\$347,400	LIFE	**	5	\$3,400	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Wall</i>								
Wood Overhead Doors	10%	4+	\$4,700	2044	**	5	\$7,600	
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apparatus Door</i>								
<i>Explanation : Air Infiltration At Base Of Door</i>								
Windows								
Aluminum	50%	Now	\$29,100	2056	**	5	\$300	
<i>Air Infiltration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Windows Missing Gaskets, Rear Of Building</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rear Of Building</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rear Of Building</i>								
Wood	50%	Now	\$2,400	2047	**	5	\$2,800	
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 3rd Floor Front Facade</i>								
<i>Glazing Broken/Cracked, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Officer's Office</i>								
Parapets								
Masonry: Limestone	20%			LIFE	**	5	\$500	
Metal Panel	20%			2051	**	5	\$1,600	
Slate	60%	Now	\$126,100	LIFE	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Various Locations On Coping Stones</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Caulk Joints Failing Throughout</i>								
<i>Miss/Damaged Copings, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Copings Are Damaged And Not Level</i>								
Roof								
Modified Bitumen	100%			2036	**	10	\$6,500	
Interior								
Floors								
Carpet	5%			2027	\$8,900	3	\$900	
Cast in Place Concrete	40%			LIFE	**	5	\$8,200	
Ceramic Tile	5%			2034	**	5	\$500	
Panel/Paver: Cer/Brk	5%			2039	**	5	\$1,100	
Quarry Tile	10%			2044	**	5	\$1,400	
Vinyl Tile	5%			2039	**	3	\$200	
Wood	30%			2059	**	5	\$5,300	

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 23
Asset # : 13017

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Ceramic Tile	10%			2034	**	5	\$1,300	
Concrete Masonry Unit	10%			LIFE	**	5	\$500	
Gypsum Board	5%			LIFE	**	5	\$400	
Masonry: Brick	25%	0-2	\$33,100	LIFE	**			

Spalling, Extent : Moderate, Area Affected : 20%

Location : Basement

Plaster	35%			LIFE	**	5	\$1,400	
SGFT/Glazed Masonry	15%			LIFE	**			

Ceilings

AcousTileSusp.Lay-In	40%			2044	**	5	\$3,800	
Embossed Metal	20%			LIFE	**	5	\$800	
Exposed Struc: Concrete	20%			LIFE	**	5	\$300	
Exposed Struc: Steel	5%			LIFE	**			
Gypsum Board	10%			LIFE	**	5	\$1,200	
Plaster	5%			LIFE	**	5	\$300	

Paint Peeling, Extent : Severe, Area Affected : 30%

Location : 3rd Floor Stair

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2044	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2057	**	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement Electrical Area

Explanation : One 400 Ampere Main Disconnect Switch

Switchgear / Switchboard

Fused Disc Sw	100%			2057	**	5		
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Raceway

Conduit	20%	Now	\$200	2031	\$7,900	1		
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Covers Missing, Extent : Moderate, Area Affected : 100%

Location : 3rd Floor Light Switches And Junction Boxes

Conduit	80%			2057	**	1		
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Panelboards

Fused Disc Sw	4%			2053	**	5		
Fused Disc Sw	1%			2030	\$500	5		
Molded Case Bkrs	95%			2053	**	5	\$200	

Wiring

Thermoplastic	90%			2057	**	1		
Thermoplastic	10%			2031	\$3,600	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 23
Asset # : 13017

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Motor Controllers

Locally Mounted	30%			2048	**	5		
Variable Frequency Drive	70%			2048	**			

Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Lighting

Interior Lighting

LED	100%			2039	**			
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Egress Lighting

Emergency, Battery	50%			2039	**	10	\$700	
Exit, Service	50%			2039	**	1		

Exterior Lighting

LED	20%			2039	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas	100%			2051	**	1		
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Conversion Equipment

Hot Water Boiler	50%			2044	**	1	\$1,500	
Steam Boiler	50%	Now	\$2,900	2044	**	1	\$2,700	

Corroded, Extent : Moderate, Area Affected : 5%

Location : Boilers

Controller Not Working, Extent : Moderate, Area Affected : 50%

Location : Basement. Defective Thermostat

Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : 2 Units

Distribution

Hot Wtr Piping/Pump	50%			2047	**	4	\$200	
Steam Piping/Pump	50%			2051	**			

Terminal Devices

Convactor/Radiator	90%			2036	**	1	\$1,800	
Unit Heater - Steam	10%			2036	**	4	\$100	

Other Observation, Extent : Light, Area Affected : 10%

Location : 1st Floor

Explanation : Apparatus Floor

Air Conditioning

Energy Source

Electricity	100%			2047	**	1		
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FIRE DEPARTMENT - 057
ENGINE CO. 23
Asset # : 13017

Mechanical System Component Type	Current Repair			Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Conversion Equipment								
Split Unit	100%			2031	\$155,500			
Distribution								
Ductwork/Diffusers	100%	Now	\$28,800	LIFE	**	2	\$7,900	
			<i>Leak Evident, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Leaking Condensate From Diffuser Grid</i>					
Heat Rejection								
Dry Cooler	100%			2036	**	2	\$4,300	
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$700	
No Component	80%							
			<i>Other Observation, Extent : Light, Area Affected : 0%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : No Ventilation In Basement</i>					
Exhaust Fans								
Interior	100%			2039	**	2	\$200	
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2048	**	1		
Water Heater With Tanks								
Gas Fired	100%			2029	\$18,300	2		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : One 75 Gallon</i>					
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	Now	\$2,300	LIFE	**	1		
			<i>Blockage /Clogged, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement. Occasional Sewer Backups At Basement</i>					
Sump Pump(s)								
Submersible	100%			2025	\$200	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	5%			2029	\$4,400	1-3	\$4,200	
			<i>Other Observation, Extent : Light, Area Affected : 5%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : Over Kitchen Hood</i>					
No Component	95%							

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 230
Address : 701 PARK AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.230 / 13122 **Yr Built/Renovated** : 1949 /
Area Sq Ft : 4,500 **Project Type** : FIRE DEPARTMENT
Date of Survey : 16-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1730 **Lot** : 49 **BIN** : 3048373

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$57,800	\$68,700
Interior Architecture	\$146,000	
Total	\$203,800	\$68,700
Importance Code A	\$57,800	\$68,700
Importance Code B	\$146,000	
Total	\$203,800	\$68,700

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$13,300		\$400	
Interior Architecture	\$46,100		\$600	\$200
Electrical		\$100	\$8,500	\$100
Mechanical	\$5,900	\$700	\$8,200	\$800
Site Enclosure	\$300			
Site Pavements	\$3,500			
Total	\$69,000	\$800	\$17,700	\$1,100
Importance Code A	\$13,700	\$400	\$800	\$400
Importance Code B	\$41,700	\$300	\$16,900	\$600
Importance Code C	\$13,600			
Total	\$69,000	\$800	\$17,700	\$1,100



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 230
Asset # : 13122

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	90%	Now	\$57,800	LIFE	**	5	\$14,400	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Hose Tower</i>								
<i>Water Penetration, Extent : Light, Area Affected : 20%</i>								
<i>Location : 2nd Floor Exercise Room</i>								
Metal Sect. OHD	10%			2044	**	5	\$5,000	
Windows								
Aluminum	100%	Now	\$700	2047	**	5	\$400	
<i>Weather Strip Missing, Extent : Light, Area Affected : 5%</i>								
<i>Location : At Windows With Air Conditioning Units</i>								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$800	
Masonry: Brick	40%			LIFE	**	5	\$200	
Metal Panel	40%			2041	**	5	\$800	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Parapet Interior</i>								
<i>Explanation : Parapet Interior Brick Covered By Metal Panel</i>								
Roof								
Built-Up (BUR)	95%	Now	\$1,400	2031			\$68,700	
<i>Reflective Surface, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Roof Above 2nd Floor Office</i>								
Skylight, Metal/Glass	5%	4+	\$8,700	2041	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Skylight</i>								
Soffits								
Metal Panel	100%			2041	**	5-10		
Interior								
Floors								
Cast in Place Concrete	60%	Now	\$30,400	LIFE	**	5	\$8,000	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Structurally Insufficient, Support With Temporary Columns</i>								
Mosaic Tile	5%			2036	**	5	\$800	
Quarry Tile	5%			2036	**	5	\$500	
Terrazzo	5%			LIFE	**	5	\$200	
Vinyl Tile	25%	Now	\$4,100	2031		3	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor And Officer Office</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 230
Asset # : 13122

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	30%	Now	\$5,200	LIFE		**		
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Ceramic Tile	10%			2034		**	\$1,200	
Plaster	30%	Now	\$4,100	LIFE		**	\$1,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Office</i>								
SGFT/Glazed Masonry	30%			LIFE		**		
Ceilings								
AcousTileSusp.Lay-In	15%	Now	\$400	2036		**	\$600	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Basement</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor Locker Room</i>								
Exposed Struc: Concrete	59%	Now	\$146,000	LIFE		**	\$800	
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus And Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Apparatus Floor Supported By Temporary Columns</i>								
Metal Panel	1%			LIFE		**	\$100	
Plaster	25%	Now	\$1,300	LIFE		**	\$1,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Bathroom</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	2-4	\$300	2041		**		
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Side Alley</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2036		**		
On-Site Walkways								
Cast in Place Concrete	100%			2036		**		

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 230
Asset # : 13122

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

Parking/Driveway

Cast in Place Concrete	100%	Now	\$3,500	2036		**		
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*Broken/Missing Elements, Extent : Severe, Area Affected : 10%**Location : Driveway**Cracking/Crumbling, Extent : Severe, Area Affected : 20%**Location : Driveway**Potholes, Extent : Severe, Area Affected : 20%**Location : Driveway**Other Observation, Extent : N/A, Area Affected : 25%**Location : Driveway**Explanation : Asphalt Patching*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2031	\$14,700	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Main Service Disconnect Switch Rated At 200 Amperes.*

Switchgear / Switchboard

Molded Case Bkrs	100%			2057	**	5	\$100	
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Raceway

Conduit	80%			2031	\$28,800	1		
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Conduit	20%			2041	**	1		
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Panelboards

Molded Case Bkrs	80%			2030	\$38,800	5	\$100	
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Molded Case Bkrs	20%			2039	**	5		
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Wiring

Thermoplastic	80%			2031	\$26,000	1		
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Thermoplastic	20%			2041	**	1		
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Motor Controllers

Locally Mounted	100%			2029	\$17,800	5		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Lighting

Interior Lighting

Fluorescent	20%			2026	\$7,600	10	\$800	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : T-8 Lamps*

LED	80%			2039	**			
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FIRE DEPARTMENT - 057
ENGINE CO. 230
Asset # : 13122

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting								
HID	20%			2036	**	10		
No Component	80%							

Alarm

Security System								
No Component	90%							
Generic	10%			2039	**	1	\$200	

Other Observation, Extent : Light, Area Affected : 100%

Location : Front Of The Building

Explanation : CCTV Surveillance Cameras

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source								
Natural Gas	100%			2041	**	1		
Conversion Equipment								
Steam Boiler	100%			2048	**	1	\$4,500	

Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : 1 New Unit

Distribution								
Steam Piping/Pump	100%			2041	**			
Terminal Devices								
Convactor/Radiator	100%			2036	**	1	\$1,500	

Air Conditioning

Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Split Unit	10%			2031	\$10,400			
Window/Wall Unit	45%			2026	\$7,500	1		
No Component	45%							

Terminal Devices								
Fan Coil - 2 Pipe	10%			2031	\$7,400	1	\$200	
No Component	90%							

Heat Rejection								
Air Cooled Condenser Unit	10%			2031	\$700	2	\$300	
No Component	90%							

Ventilation

Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$500	
No Component	80%							

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FIRE DEPARTMENT - 057
ENGINE CO. 230
Asset # : 13122

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
	Exhaust Fans							
	Interior	20%	Now	\$3,900	2041	* *	2	
		<i>Unit Inoperable, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Apparatus Floor</i>						
	Wall Unit	15%			2031	\$300	2	
	No Component	65%						
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2041	* *	1	
	Water Heater With Tanks							
	Gas Fired	100%			2029	\$16,700	2	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two 75 Gallon Units</i>						
	Sanitary Piping							
	Cast Iron	100%			LIFE	* *	1	
	Storm Drain Piping							
	Cast Iron	100%	0-2	\$300	LIFE	* *	1	
		<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>						
		<i>Location : Water Backs Up In Basement When It Rains</i>						
	Sump Pump(s)							
	Submersible	100%			2024	\$100	4	\$100
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	No Component	99%						
	Generic	1%			2024	\$800	1-3	\$800
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : 1 Set</i>						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 231/LADDER 120
Address : 107 WATKINS STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.231 / 13123 **Yr Built/Renovated** : 1905 / 2002
Area Sq Ft : 9,700 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-Feb-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3507 **Lot** : 5 **BIN** : 3000000

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$85,100	
Electrical	\$24,700	\$63,500
Mechanical	\$79,700	\$145,600
Total	\$189,400	\$209,100
Importance Code A	\$85,100	
Importance Code B	\$104,400	\$209,100
Total	\$189,400	\$209,100

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$33,800	\$43,100		\$5,100
Interior Architecture	\$36,500		\$1,500	\$1,200
Electrical	\$700	\$3,300	\$800	\$22,700
Mechanical	\$13,800	\$6,800	\$7,000	\$31,600
Site Enclosure	\$26,300			
Site Pavements	\$900			
Total	\$111,800	\$53,200	\$9,400	\$60,700
Importance Code A	\$34,700	\$44,100	\$1,000	\$6,100
Importance Code B	\$60,100	\$9,100	\$7,500	\$54,600
Importance Code C	\$17,000		\$900	
Total	\$111,800	\$53,200	\$9,400	\$60,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 231/LADDER 120
Asset # : 13123

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$85,100	LIFE	**	5	\$21,200	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 5%</i>								
<i>Location : South Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : South Facade</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : South Facade 2nd Floor</i>								
Masonry: Granite	5%			LIFE	**	5	\$1,000	
Masonry: Limestone	8%	Now	\$16,300	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Around Bay Doors</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	7%			2037	**	5	\$9,300	
Windows								
Aluminum	100%	Now	\$15,400	2048	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 2nd Floor</i>								
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$800	
Masonry: Brick	40%			LIFE	**	5	\$400	
Metal: Cage/Fence	10%			2045	**	5-10	\$700	
Stucco Cement	40%			2037	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout Parapet</i>								
Roof								
Modified Bitumen	40%	Now	\$2,100	2037	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Above 2nd Floor</i>								
Roll Roofing	60%			2025		5	\$9,900	
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 231/LADDER 120
Asset # : 13123

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	35%	Now	\$7,200	LIFE	**	5	\$9,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Into Basement</i>								
Ceramic Tile	10%			2041	**	5	\$1,200	
Sheet Vinyl/Rubber	5%			2037	**	5	\$900	
Vinyl Tile	50%	Now	\$8,400	2037	**	3	\$2,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Uneven Substrate, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 3rd Floor</i>								
Interior Walls								
Ceramic Tile	10%			2041	**	5	\$1,800	
Concrete Masonry Unit	10%			LIFE	**	5	\$700	
Gypsum Board	10%			LIFE	**	5	\$1,100	
<i>Repairs in Progress, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Masonry: Brick	10%	Now	\$6,800	LIFE	**			
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Plaster	35%	Now	\$3,000	LIFE	**	5	\$1,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bunk Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Bunk Room</i>								
SGFT/Glazed Masonry	20%	0-2	\$6,400	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Truck Bay</i>								
Wood	5%			LIFE	**	5	\$3,600	

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FIRE DEPARTMENT - 057
ENGINE CO. 231/LADDER 120
Asset # : 13123

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	10%	Now	\$1,000	2045	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement, Kitchen</i>								
Embossed Metal	80%			LIFE	**	5	\$4,500	
<i>Paint Peeling, Extent : Light, Area Affected : 30%</i>								
<i>Location : 1st And 2nd Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
Exposed Struc: Concrete	10%	Now	\$3,600	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2052	**			
Retaining Walls								
Masonry: Brick	100%	Now	\$26,300	2042	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2045	**			
On-Site Walkways								
Cast in Place Concrete	100%	4+	\$900	2045	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 25%</i>								
<i>Location : Rear Yard</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2045	**			
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 231/LADDER 120
Asset # : 13123

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2032	\$14,700	5		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement Electrical Room</i>						
		<i>Explanation : One 200 Ampere Main Disconnect Switch</i>						
Switchgear / Switchboard								
Fused Disc Sw	100%			2032	\$63,500	5		
Raceway								
Conduit	100%			2032	\$36,000	1		
Panelboards								
Fused Disc Sw	5%			2031	\$2,400	5		
Molded Case Bkrs	95%			2031	\$46,000	5	\$200	
Wiring								
Thermoplastic	100%			2032	\$32,500	1		
Motor Controllers								
Locally Mounted	100%			2030	\$17,800	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2037	**	1	\$3,000	
Generators								
Diesel	100%			2035	**	1	\$3,800	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Generator Room Outside</i>						
		<i>Explanation : Emergency Generator Rated At 60 Kilowatts.</i>						
Batteries								
Lead/Acid	100%			2025	\$2,400	5	\$400	
Fuel Storage								
Day Tank	18%			2040	**	5		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Generator Room Outside</i>						
		<i>Explanation : One 125 Gallons</i>						
Main Tank	82%			2047	**	5		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 550 Gallons</i>						

Lighting

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FIRE DEPARTMENT - 057
ENGINE CO. 231/LADDER 120
Asset # : 13123

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting								
Fluorescent	30%			2027	\$24,700	10	\$2,700	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement, 3rd Floor Locker Room And Offices</i>						
		<i>Explanation : T-12 Lamps</i>						
Fluorescent	68%			2037	**	10	\$6,100	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : T-8 Lamps</i>						
Incandescent	2%			2027	\$2,300	2		
Egress Lighting								
Emergency, Service	20%			2027	\$1,200	1		
Emergency, Service	40%			2037	**	1		
Emergency, Battery	40%			2037	**	10	\$900	
Exterior Lighting								
HID	20%			2027	\$8,800	10		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2042	**	1		
		<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Total House</i>						
Conversion Equipment								
Steam Boiler	100%			2045	**	1	\$9,600	
Distribution								
Steam Piping/Pump	100%			2032	\$75,900			
		<i>On Extended Life, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout, The Steam And Condensate Return Piping Are Beyond Their Useful Life Cycle Rating</i>						
Terminal Devices								
Convactor/Radiator	90%			2030	\$69,700	1	\$2,800	
		<i>On Extended Life, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout, The Radiators Are Beyond Their Useful Life Cycle Rating</i>						
Unit Heater - Steam	10%			2032	\$5,400	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2048	**	1		
Conversion Equipment								
Split Unit	25%			2037	**			
Window/Wall Unit	50%			2027	\$17,900	1		
No Component	25%							

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FIRE DEPARTMENT - 057
ENGINE CO. 231/LADDER 120
Asset # : 13123

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Air Conditioning								
Heat Rejection								
	Air Cooled Condenser Unit	10%			2032	\$2,100	2	\$700
	No Component	90%						
Ventilation								
Distribution								
	Ductwork/Diffusers	20%			LIFE	* *	2-5	\$1,100
	No Component	80%						
Exhaust Fans								
	Interior	20%			2037	* *	2	\$100
	Wall Unit	10%			2027	\$400	2	
	No Component	70%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2042	* *	1	
	<i>No Water Meter, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
Water Heater With Tanks								
	Gas Fired	100%			2030	\$16,700	2	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Two 75 Gallon Units</i>							
Sanitary Piping								
	Cast Iron	50%			LIFE	* *	1	
	Cast Iron	50%			LIFE	* *	1	
Storm Drain Piping								
	Cast Iron	50%			LIFE	* *	1	
	Cast Iron	50%			LIFE	* *	1	
Sump Pump(s)								
	Submersible	100%			2024	\$300	4	\$300
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Not Accessible</i>							
Sewage Ejector(s)								
	Not Accessible	100%						
Backflow Preventer								
	No Component	95%						
	Generic	5%			2037	* *	1	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Serves Boiler Only</i>							
Fixtures								
	Generic	100%						
	<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : Total House</i>							
Fire Suppression								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 231/LADDER 120
Asset # : 13123

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Chemical System							
	Generic	100%			2027	\$79,700	1-3	\$80,900
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Kitchen</i> <i>Explanation : Kitchen Fire Suppression System Needs To Be Inspected</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 233/LADDER CO. 176
Address : 25 ROCKAWAY AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.233 / 13124 **Yr Built/Renovated** : 1974 / 1984
Area Sq Ft : 12,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 25-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,Mez
Block : 1512 **Lot** : 1 **BIN** : 3040990

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$154,400	\$56,200
Interior Architecture		\$242,300
Electrical	\$99,500	\$127,000
Mechanical		\$145,300
Total	\$253,900	\$570,800
Importance Code A	\$154,400	\$119,700
Importance Code B	\$99,500	\$451,100
Total	\$253,900	\$570,800

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$96,000		\$20,400	
Interior Architecture	\$64,700		\$700	\$1,100
Electrical	\$14,400	\$1,000	\$4,800	\$800
Mechanical	\$20,100	\$1,000	\$75,900	\$1,300
Site Enclosure	\$5,200			
Site Pavements	\$16,100			
Total	\$216,300	\$2,000	\$101,800	\$3,200
Importance Code A	\$96,600	\$600	\$21,200	\$600
Importance Code B	\$67,100	\$1,400	\$80,600	\$2,600
Importance Code C	\$52,700			
Total	\$216,300	\$2,000	\$101,800	\$3,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 233/LADDER CO. 176
Asset # : 13124

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Concrete Masonry Unit	45%	Now	\$154,400	LIFE	**	5	\$6,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Side Alley</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Entry Facade</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Above Overhead Doors In Main Facade</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Street Facades And Side Lot Entrance</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North Facade At 1st Floor Offices And Foundation Wall Below</i>								
Metal Panel	10%	Now	\$2,800	2041	**	5	\$4,100	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : House Watch At Main Facade</i>								
Metal Sect. OHD	10%			2036	**	5	\$6,800	
Pre-Cast Concrete	25%			LIFE	**	5	\$17,800	
Stucco Cement	5%			2044	**	5	\$2,700	
Window Wall	5%	Now	\$32,400	2061	**	5	\$2,000	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : House Watch In Main Entrance, 1st And 2nd Floor</i>								
<i>Glazing Broken/Cracked, Extent : Severe, Area Affected : 5%</i>								
<i>Location : House Watch</i>								
Windows								
Aluminum	97%	Now	\$25,700	2056	**	5	\$300	
<i>Air Infiltration, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
Metal Louvers	3%			2040	**	10	\$100	
Parapets								
Cast in Place Concrete	45%			LIFE	**	5	\$3,800	
Concrete Masonry Unit	25%			LIFE	**	5	\$200	
Metal Panel	20%			2041	**	5	\$600	
Metal Rail	10%			2036	**	5-10	\$1,500	

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FIRE DEPARTMENT - 057
ENGINE CO. 233/LADDER CO. 176
Asset # : 13124

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	25%	Now	\$33,700	2031	\$56,200			
<i>Alligatoring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Lower Roofs</i>								
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Lower Roofs</i>								
<i>Debris Present, Extent : Light, Area Affected : 10%</i>								
<i>Location : Lower Roofs</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Lower Roofs</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Above Kitchen</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Lower Roofs</i>								
Modified Bitumen	75%			2036	**	10	\$15,800	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Upper Roof</i>								
Interior								
Floors								
Cast in Place Concrete	40%	2-4	\$11,900	LIFE	**	5	\$15,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations In Apparatus Room</i>								
Ceramic Tile	5%			2034	**	5	\$900	
Quarry Tile	5%			2036	**	5	\$1,300	
Vinyl Tile	50%	Now	\$12,100	2031	\$242,300	3	\$3,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Sitting Area, Mezzanine Office And 2nd Floor Laundry Room</i>								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	5%			2034	**	5	\$800	
Concrete Masonry Unit	45%	2-4	\$31,000	LIFE	**	5	\$2,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Stairwell, Bunk Room And Mezzanine Office</i>								
Gypsum Board	10%			LIFE	**	5	\$900	
SGFT/Glazed Masonry	30%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	15%	Now	\$8,800	2036	**	5	\$1,300	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Kitchen, Offices, And Sitting Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Kitchen</i>								
Exposed Struc: Concrete	35%			LIFE	**	5	\$1,000	
Gypsum Board	50%			LIFE	**	5	\$11,200	
Site Enclosure								

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FIRE DEPARTMENT - 057
ENGINE CO. 233/LADDER CO. 176
Asset # : 13124

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Site Enclosure								
Fence/Gates								
Chain Link	10%			2041	**			
Metal, Corrugated	90%			LIFE	**	1		
Free Standing Walls								
Cast in Place Concrete	60%			2051	**			
Concrete Masonry Unit	40%	0-2	\$5,200	2041	**			
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Side Yard</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Top Of Gate Wall</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2036	**			
Parking/Driveway								
Asphalt	100%	Now	\$16,100	2034	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Parking Lot</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Driveway</i>								
<i>Ponding, Extent : Light, Area Affected : 10%</i>								
<i>Location : Driveway</i>								
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2031	\$63,500	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 800 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	\$63,500	5	\$300	
Raceway								
Conduit	100%			2031	\$36,000	1		
Panelboards								
Molded Case Bkrs	100%			2030	\$48,500	5	\$300	
Wiring								
Thermoplastic	100%			2031	\$32,500	1		
Motor Controllers								
Locally Mounted	100%			2029	\$17,800	5	\$100	
Ground								
Grounding Devices								
Generic	100%	0-2	\$10,200	LIFE	**	5	\$200	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 233/LADDER CO. 176
Asset # : 13124

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	**	1	\$3,700	
Generators								
Diesel	100%			2027	\$99,500	1	\$4,700	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Generator Room</i>						
		<i>Explanation : Emergency Generator Rated At 50 Kilowatts</i>						
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$400	
Fuel Storage								
Day Tank	20%			2030	\$5,000	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 50 Gallons Rated Capacity</i>						
Main Tank	80%			2034	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Side Yard</i>						
		<i>Explanation : 275 Gallons Rated Capacity</i>						
Lighting								
Interior Lighting								
LED	100%			2039	**			
Egress Lighting								
Emergency, Service	50%			2026	\$3,600	1		
Exit, Service	50%	Now	\$800	2041	**	1		
		<i>Not Functioning, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Hallways</i>						
Exterior Lighting								
LED	20%			2039	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2051	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2044	**	1	\$5,900	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement Boiler Room</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Hot Wtr Piping/Pump	100%			2039	**	4	\$600	

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FIRE DEPARTMENT - 057
ENGINE CO. 233/LADDER CO. 176
Asset # : 13124

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Terminal Devices								
Convactor/Radiator	10%			2029	\$9,600	1	\$400	
Fan Coil Unit/Heat	50%	0-2	\$14,500	2031	\$145,300	1	\$1,700	
<i>Malfunctioning, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 6 Of Them Have Mechanical Defects. Various Locations</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : 15 Units.</i>								
Unit Heater - Steam	40%			2026	\$26,600	4	\$400	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Split Unit	10%			2036	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : For Locker Room</i>								
<i>Explanation : 1 Unit. R-410a.</i>								
Window/Wall Unit	25%			2026	\$11,100	1		
Window/Wall Unit	25%	0-2	\$1,100	2026	\$11,100	1		
<i>Not Energy Efficient, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Various Locations</i>								
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2036	**	1	\$400	
No Component	90%							
Heat Rejection								
Air Cooled Condenser Unit	10%			2036	**	2	\$800	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$3,300	
No Component	50%							
Exhaust Fans								
Roof	25%			2036	**	2	\$100	
Roof	25%			2026	\$5,700	2	\$100	
Wall Unit	40%			2026	\$2,000	2	\$100	
No Component	10%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		
Water Heater With Tanks								
Gas Fired	100%			2026	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 233/LADDER CO. 176
Asset # : 13124

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sanitary Piping Cast Iron	100%	Now	\$3,000	LIFE	**	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apparatus Floor And 1st Floor Sitting Room</i>								
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Sump Pump(s) Submersible	100%			2024	\$400	4	\$400
	Fixtures Generic	100%						
Fire Suppression								
	Sprinkler No Component Generic	90%			2031	\$16,200	1-2	\$300
	Chemical System No Component Generic	99%			2026	\$800	1-3	\$700
<i>1%</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : In Kitchen</i>								
<i>Explanation : 1 Unit</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 234 LADDER 123/BATTALION 38
Address : 1352 ST. JOHN'S PLACE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.234 / 13125 **Yr Built/Renovated** : 1977 /
Area Sq Ft : 10,355 **Project Type** : FIRE DEPARTMENT
Date of Survey : 18-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1384 **Lot** : 8 **BIN** : 3037055

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$301,800	\$128,400
Electrical	\$99,500	\$127,000
Total	\$401,200	\$255,400
Importance Code A	\$301,800	\$191,900
Importance Code B	\$99,500	\$63,500
Total	\$401,200	\$255,400

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$69,900		\$5,300	
Interior Architecture	\$112,800			\$800
Electrical	\$12,800	\$900	\$5,500	\$800
Mechanical	\$18,000	\$700	\$29,600	\$800
Site Enclosure	\$700			
Site Pavements	\$17,600			
Total	\$231,900	\$1,600	\$40,400	\$2,300
Importance Code A	\$71,700	\$500	\$6,000	\$500
Importance Code B	\$137,800	\$1,200	\$34,400	\$1,800
Importance Code C	\$22,300			
Total	\$231,900	\$1,600	\$40,400	\$2,300



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FIRE DEPARTMENT - 057
ENGINE CO. 234 LADDER 123/BATTALION 38
Asset # : 13125

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Concrete Masonry Unit	90%	Now	\$301,800	LIFE	**	5	\$12,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : On Both Sides Of Overhead Door And West Facade</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Entry Facade</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : All Facades</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Underside Of Soffits</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Duct Penetrations Along Side Elevation</i>								
Wood Overhead Doors	10%			2036	**	5	\$10,700	
Windows								
Aluminum	100%	Now	\$24,800	2056	**	5	\$300	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Locker Room And Kitchen</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	15%	Now	\$8,500	LIFE	**	5	\$1,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Upper And Lower Roofs</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Upper And Lower Roof</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Upper And Lower Roofs</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Upper And Lower Roofs</i>								
Masonry: Brick	35%	2-4	\$13,900	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Exterior Of Parapets Throughout</i>								
Metal Rail	10%	2-4	\$500	2036	**	5	\$1,100	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 5%</i>								
<i>Location : Upper Roof</i>								
<i>Deteriorated Finish, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Upper Roof</i>								
Metal: Cage/Fence	5%	4+	\$200	2036	**	5	\$300	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 10%</i>								
<i>Location : Lower Roof</i>								
Stucco Cement	35%	Now	\$3,400	2044	**	5	\$700	
<i>Recent Repair Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Upper And Lower Roofs</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Parapets</i>								
<i>Explanation : Stucco Cover Concrete Masonry Unit On Interior Of Parapets</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 234 LADDER 123/BATTALION 38
Asset # : 13125

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Roof									
Modified Bitumen	85%	4+	\$12,800	2031	\$128,400				
<i>Debris Present, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : Throughout</i>									
<i>Ponding, Extent : Light, Area Affected : 5%</i>									
<i>Location : Upper</i>									
Single Ply Membrane	15%	4+	\$4,200	2031	\$42,500				
<i>Ponding, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Lower Roof On South And North Ends</i>									
Soffits									
Cement - Fiber Panel	100%	2-4	\$1,600	2031	\$31,700				
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>									
<i>Location : Corner Of Building</i>									
<i>Staining/Discoloring, Extent : Severe, Area Affected : 75%</i>									
<i>Location : Corner Of Building And Rear Parking Lot</i>									
Interior									
Floors									
Cast in Place Concrete	50%	Now	\$12,500	LIFE		** 5	\$16,500		
<i>Deflection Evident, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Apparatus Floor</i>									
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 5%</i>									
<i>Location : Apparatus Room</i>									
Mosaic Tile	5%	Now	\$3,500	2036		** 5	\$900		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : 2nd Floor Bathrooms And Officers Bathrooms</i>									
Quarry Tile	5%	4+	\$5,400	2036		** 5	\$600		
<i>Worn/Eroded, Extent : Light, Area Affected : 35%</i>									
<i>Location : Kitchen</i>									
Vinyl Tile	40%	0-2	\$48,800	2041		** 3	\$2,300		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Second Floor</i>									
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>									
<i>Location : Throughout 2nd Floor</i>									

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FIRE DEPARTMENT - 057
ENGINE CO. 234 LADDER 123/BATTALION 38
Asset # : 13125

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	10%	Now	\$7,900	2034	**	5	\$700	
<i>Adhesion Failure, Extent : Light, Area Affected : 1%</i>								
<i>Location : 1st And 2nd Floor Bathrooms</i>								
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : 1st Floor Bathroom</i>								
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : 1st Floor And 2nd Floor Bathrooms</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Showers</i>								
Concrete Masonry Unit	14%			LIFE	**	5	\$800	
Gypsum Board	30%			LIFE	**	5	\$2,600	
Metal Panel	1%	4+	\$400	LIFE	**			
<i>Deformed/Dented, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
SGFT/Glazed Masonry	35%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	15%	4+	\$700	2036	**	5	\$1,100	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Exposed Struc: Concrete	20%			LIFE	**	5	\$500	
Gypsum Board	65%	Now	\$33,500	LIFE	**	5	\$12,300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : 2nd Floor Office And Officer Bunk Room</i>								
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Apparratus Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor</i>								
Site Enclosure								
Fence/Gates								
Chain Link	50%	4+	\$300	2041	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 10%</i>								
<i>Location : Rear Parking Lot</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Parking Lot</i>								
<i>Explanation : Chain Link Fence Covered With Corrugated Metal Sheet</i>								
Iron Picket	50%	4+	\$400	2051	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 15%</i>								
<i>Location : Corner Of Building</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	0-2	\$4,300	2036	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Along Schenectady Avenue</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 234 LADDER 123/BATTALION 38
Asset # : 13125

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%			2036		**		
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Parking/Driveway

Cast in Place Concrete	100%	Now	\$13,400	2036		**		
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Cracking/Crumbling, Extent : Moderate, Area Affected : 5%

Location : Front Apron

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2031	\$63,500	5	\$300	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : Main Service Disconnect Switch Rated At 300 Amperes.

Switchgear / Switchboard

Molded Case Bkrs	100%			2031	\$63,500	5	\$300	
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Raceway

Conduit	100%			2031	\$36,000	1		
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Panelboards

Molded Case Bkrs	100%			2030	\$48,500	5	\$300	
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Wiring

Thermoplastic	100%			2031	\$32,500	1		
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Motor Controllers

Locally Mounted	100%			2029	\$17,800	5	\$100	
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Ground

Grounding Devices

Generic	100%	2-4	\$10,200	LIFE		**	5	\$200
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Corroded, Extent : Moderate, Area Affected : 100%

Location : Basement

Stand-by Power

Transfer Switches

Automatic	100%			2029	\$12,900	1	\$3,200	
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Generators

Diesel	100%			2027	\$99,500	1	\$4,000	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Generator Room

Explanation : Emergency Generator Rated At 30 Kilowatts

Batteries

Lead/Acid	100%			2026	\$2,400	5	\$400	
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 234 LADDER 123/BATTALION 38
Asset # : 13125

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Fuel Storage								
Day Tank	3%			2030	\$800	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 30 Gallons Rated Capacity</i>								
Main Tank	97%			2034	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Underground</i>								
<i>Explanation : 1000 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
Fluorescent	20%			2036	**	10	\$1,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : T-8 Lamps</i>								
LED	80%			2036	**			
Egress Lighting								
Emergency, Service	100%			2031	\$6,200	1		
Exterior Lighting								
HID	20%			2031	\$9,400	10		
No Component	80%							
Alarm								
Security System								
No Component	90%							
Generic	10%	Now	\$1,900	2041	**	1	\$400	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front Of The Building</i>								
<i>Explanation : CCTV Surveillance Cameras Not Functional</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Electricity	5%			2041	**	1		
Natural Gas	95%			2041	**	1		
Conversion Equipment								
Hot Water Boiler	95%			2044	**	1	\$4,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : 1 Unit</i>								
Radiant Heater	5%	Now	\$1,300	2041	**	2	\$200	
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 1st Floor Office And House Watch</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 234 LADDER 123/BATTALION 38
Asset # : 13125

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Hot Wtr Piping/Pump	95%			2030	\$21,000	4	\$500	
No Component	5%							
Terminal Devices								
Convactor/Radiator	55%			2029	\$45,500	1	\$1,800	
Unit Heater - Hot Water	30%	Now	\$10,800	2041	**			
<i>Unit Inoperable, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Aged Units On Apparatus Floor Ceiling</i>								
No Component	15%							
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	30%			2036	**	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 Rooftop Unit. R-410a</i>								
Window/Wall Unit	30%	0-2	\$600	2026	\$11,500	1		
<i>Not Energy Efficient, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Various Locations</i>								
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	**	2-5	\$2,300	
No Component	60%							
Exhaust Fans								
Roof	50%			2036	**	2	\$200	
Wall Unit	5%			2031	\$200	2		
No Component	45%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		
Water Heater With Tanks								
Gas Fired	100%			2026	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units.</i>								
Sanitary Piping								
Cast Iron	10%	Now	\$2,500	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Back Of The Apparatus Floor</i>								
<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bathroom Leaks To Kitchen</i>								
Cast Iron	90%			LIFE	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 234 LADDER 123/BATTALION 38
Asset # : 13125

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Storm Drain Piping Cast Iron	100%	Now	\$700	LIFE	**	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor Office Ceiling</i>								
Sump Pump(s) Submersible	100%			2024	\$300	4	\$300	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler No Component Generic	95%			2031	\$7,000	1-2	\$200	
<i>5%</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Limited Coverage</i>								
Chemical System No Component Generic	99%			2024	\$800	1-3	\$800	
<i>1%</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 235 / BATTALION 57
Address : 206 MONROE STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.235 / 13126 **Yr Built/Renovated** : 1895 /
Area Sq Ft : 4,733 **Project Type** : FIRE DEPARTMENT
Date of Survey : 15-Jul-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1817 **Lot** : 48 **BIN** : 3051323

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Mechanical	\$79,700	
Total	\$79,700	
Importance Code B	\$79,700	
Total	\$79,700	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$48,400			
Interior Architecture	\$49,400		\$600	\$600
Electrical	\$500	\$300	\$2,700	\$300
Mechanical	\$14,400	\$6,100	\$6,200	\$12,600
Site Pavements	\$11,000			
Total	\$123,700	\$6,500	\$9,600	\$13,500
Importance Code A	\$48,900	\$500	\$500	\$500
Importance Code B	\$28,700	\$6,000	\$9,200	\$12,600
Importance Code C	\$46,100			\$400
Total	\$123,700	\$6,500	\$9,600	\$13,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 235 / BATTALION 57
Asset # : 13126

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$43,800	
Masonry: Limestone	10%			LIFE	**	5	\$4,100	
Wood Overhead Doors	10%			2038	**	5	\$13,700	
Windows								
Aluminum	100%			2049	**	5	\$700	
Parapets								
Masonry: Brick	90%	Now	\$20,700	LIFE	**	5	\$800	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%	Now	\$3,400	LIFE	**	5	\$100	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Coping</i>								
Roof								
Copper/Terne	15%			2061	**	10	\$2,900	
Modified Bitumen	80%			2041	**	10	\$6,100	
Skylight, Metal/Glass	5%			2053	**	10	\$1,300	
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$13,000	
Ceramic Tile	5%			2042	**	5	\$400	
Quarry Tile	5%			2038	**	5	\$600	
<i>Worn/Eroded, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	50%			2038	**	3	\$1,400	
Interior Walls								
Ceramic Tile	5%			2042	**	5	\$900	
Concrete Masonry Unit	5%			LIFE	**	5	\$700	
Masonry: Brick	15%	4+	\$24,700	LIFE	**			
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Masonry: Fieldstone	10%			LIFE	**	10	\$700	
Plaster	60%			LIFE	**	5-10	\$9,000	
Wood	5%			LIFE	**	5	\$7,100	
Ceilings								
AcousTileSusp.Lay-In	5%			2046	**	5	\$400	
Embossed Metal	35%			LIFE	**	5	\$2,300	
Exposed Struc: Steel	25%			LIFE	**	10	\$3,700	
Plaster	35%			LIFE	**	5-10	\$4,500	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2063	**			
Free Standing Walls								
Masonry: Brick	100%			2053	**			
Site Pavements								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 235 / BATTALION 57
Asset # : 13126

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2046	**			
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Parking/Driveway

Asphalt	60%	2-4	\$11,000	2042	**			
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*Cracking/Crumbling, Extent : Light, Area Affected : 20%**Location : Throughout*

Cast in Place Concrete	40%			2046	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2053	**	5		
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : Main Service Disconnect Switch Rated At 400 Amperes.*

Switchgear / Switchboard

Molded Case Bkrs	100%			2053	**	5	\$100	
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Raceway

Conduit	80%			2033	\$28,800	1		
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Conduit	20%			2053	**	1		
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Panelboards

Molded Case Bkrs	100%			2049	**	5	\$100	
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Wiring

Thermoplastic	80%			2053	**	1		
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Thermoplastic	20%			2033	\$6,500	1		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Stand-by Power

Transfer Switches

Automatic	100%			2038	**	1	\$1,500	
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Generators

Diesel	100%			2036	**	1	\$1,800	
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Outside**Explanation : Emergency Generator Rated At 81 Kilovolt Amperes.*

Batteries

Lead/Acid	100%			2026	\$2,400	5	\$200	
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Fuel Storage

Main Tank	100%			2048	**	5		
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Outside**Explanation : 60 Gallons Rated Capacity*

Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 235 / BATTALION 57
Asset # : 13126

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	5%			2033	\$2,000	10	\$200	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Dining Area</i>								
<i>Explanation : Compact Flourescent Lights</i>								
LED	95%			2038	**			
Egress Lighting Emergency, Service	100%			2038	**	1		
Exterior Lighting LED	30%			2038	**			
No Component	70%							
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	100%			2053	**	1		
Conversion Equipment Steam Boiler	100%			2046	**	1	\$4,700	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution Steam Piping/Pump	100%			2043	**			
Terminal Devices Convactor/Radiator	90%			2031	\$34,000	1	\$1,400	
Unit Heater - Steam	10%			2033	\$2,600	4	\$100	
Air Conditioning								
Energy Source Electricity	100%			2041	**	1		
Conversion Equipment Window/Wall Unit	10%	0-2	\$1,800	2033	\$1,800	1		
<i>Not Energy Efficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								
Window/Wall Unit	50%			2028	\$8,800	1		
No Component	40%							
Ventilation								
Exhaust Fans Roof	20%			2033	\$1,800	2		
No Component	80%							
Plumbing								
H/C Water Piping Brass/Copper	100%			2043	**	1		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 235 / BATTALION 57
Asset # : 13126

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Water Heater With Tanks Gas Fired	100%			2031	\$33,400	2		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Submersible	100%			2026	\$100	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System Generic	100%			2026	\$79,700	1-3	\$80,900	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set Unit Covers 20 Square Feet</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 236
Address : 998 LIBERTY AVENUE @ S. CONDUIT BLVD.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.236 / 13127 **Yr Built/Renovated** : 1895 / 2010
Area Sq Ft : 4,761 **Project Type** : FIRE DEPARTMENT
Date of Survey : 15-Dec-2020 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 4194 **Lot** : 20 **BIN** : 3094289

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$76,500	
Electrical		\$63,500
Mechanical		\$79,700
Total	\$76,500	\$143,200
Importance Code A	\$76,500	
Importance Code B		\$143,200
Total	\$76,500	\$143,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$2,600			
Interior Architecture	\$54,700		\$2,000	\$400
Electrical	\$10,200		\$100	\$100
Mechanical	\$12,600	\$6,200	\$6,200	\$22,200
Site Pavements	\$29,700			
Total	\$109,800	\$6,200	\$8,300	\$22,700
Importance Code A	\$3,100	\$500	\$500	\$500
Importance Code B	\$76,500	\$5,800	\$6,400	\$22,300
Importance Code C	\$30,300		\$1,400	
Total	\$109,800	\$6,200	\$8,300	\$22,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 236
Asset # : 13127

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$76,500	LIFE	**	5	\$19,000	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Side Wall Of Basement Adjacent To Empty Lot</i>								
Masonry: Granite	3%			LIFE	**	5	\$500	
Masonry: Limestone	10%			LIFE	**	5	\$1,800	
Metal Coiling Doors	7%			2049	**	5	\$5,200	
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Elevation</i>								
Windows								
Aluminum	100%			2048	**	5	\$1,200	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,500	
Masonry: Brick	90%			LIFE	**	5	\$1,800	
Roof								
Copper/Terne	5%			2060	**	10	\$700	
Modified Bitumen	95%			2040	**	10	\$5,200	
Interior								
Floors								
Cast in Place Concrete	35%	0-2	\$4,500	LIFE	**	5	\$6,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Basement</i>								
Ceramic Tile	15%			2041	**	5	\$1,200	
Quarry Tile	5%			2049	**	5	\$600	
Vinyl Tile	45%	Now	\$19,000	2037	**	3	\$1,300	
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
Interior Walls								
Cast in Place Concrete	3%	0-2	\$1,300	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	25%			2041	**	5	\$2,900	
Concrete Masonry Unit	2%			LIFE	**	5	\$100	
Gypsum Board	20%			LIFE	**	5	\$1,400	
Masonry: Brick	20%			LIFE	**			
Plaster	25%			LIFE	**	5	\$900	
SGFT/Glazed Masonry	5%	Now	\$5,100	LIFE	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Garage And Lockers</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 236
Asset # : 13127

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	10%	0-2	\$2,500	2037	**	5	\$400	
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Office</i>								
Embossed Metal	20%	4+	\$900	LIFE	**	5	\$700	
<i>Deformed/Dented, Extent : Light, Area Affected : 10%</i>								
<i>Location : First Floor</i>								
Exposed Struc: Steel	20%	0-2	\$18,400	LIFE	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Gypsum Board	10%	Now	\$2,700	LIFE	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : First And Second Floor</i>								
Metal Panel	5%			LIFE	**	5	\$500	
Plaster	35%			LIFE	**	5	\$1,700	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2052	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	0-2	\$5,800	2045	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Liberty Avenue</i>								
Parking/Driveway								
Asphalt	100%	2-4	\$23,900	2041	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Parking Area At Side Of Building</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2032	\$14,700	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2032	\$63,500	5	\$100	
Raceway								
Conduit	100%			2032	\$36,000	1		
Panelboards								
Molded Case Bkrs	100%			2031	\$48,500	5	\$100	
Wiring								
Thermoplastic	100%			2032	\$32,500	1		

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 236
Asset # : 13127

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Ground

Grounding Devices
Generic

100% 2-4 \$10,200 LIFE * * 5 \$100
Other Observation, Extent : N/A, Area Affected : 100%
Location : Basement
Explanation : Corroded Ground

Lighting

Interior Lighting
Fluorescent

100% 2032 \$40,400 10 \$4,400
Other Observation, Extent : N/A, Area Affected : 100%
Location : Throughout The Building
Explanation : T-8 Lamps

Egress Lighting

Exit, Service
Exit, Battery

50% 2032 \$1,000 1
50% 2032 \$3,300 10 \$200

Exterior Lighting

HID
No Component

30% 2032 \$6,500 10
70%

Alarm

Security System

No Component
Generic

85% 15% 2040 * * 1 \$300
Other Observation, Extent : N/A, Area Affected : 100%
Location : Front Of The Building
Explanation : CCTV Surveillance Cameras

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source
Natural Gas

100% 2052 * * 1

Conversion Equipment

Steam Boiler

100% 2045 * * 1 \$4,700
Other Observation, Extent : Light, Area Affected : 100%
Location : Basement
Explanation : 1 Natural Gas Fired Steam Boiler

Distribution

Steam Piping/Pump

100% 2032 \$37,200
On Extended Life, Extent : Light, Area Affected : 100%
Location : Throughout, The Steam And Condensate Return Piping Are Beyond Their Useful Life Cycle Rating

Terminal Devices

Convactor/Radiator

100% 2030 \$38,000 1 \$1,500
On Extended Life, Extent : Light, Area Affected : 100%
Location : Throughout, The Radiators Are Beyond Their Useful Life Cycle Rating

Air Conditioning

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 236
Asset # : 13127

Mechanical	Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning							
Energy Source							
Electricity	100%			2040	**	1	
Conversion Equipment							
Split Unit	10%			2037	**		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
	<i>Location : Kitchen</i>						
	<i>Explanation : 1 Unit, R-410a</i>						
Window/Wall Unit	50%			2027	\$8,800	1	
No Component	40%						
Terminal Devices							
Fan Coil - 2 Pipe	10%			2037	**	1	\$200
No Component	90%						
Heat Rejection							
Air Cooled Condenser Unit	10%			2037	**	2	\$300
No Component	90%						
Ventilation							
Distribution							
Ductwork/Diffusers	10%			LIFE	**	2-5	\$300
No Component	90%						
Exhaust Fans							
Roof	10%			2032	\$900	2	
Wall Unit	25%			2027	\$500	2	
No Component	65%						
Plumbing							
H/C Water Piping							
Brass/Copper	100%			2042	**	1	
Water Heater With Tanks							
Gas Fired	100%			2030	\$16,700	2	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
	<i>Location : Basement</i>						
	<i>Explanation : 2 Units</i>						
Sanitary Piping							
Cast Iron	80%			LIFE	**	1	
	<i>On Extended Life, Extent : Light, Area Affected : 100%</i>						
	<i>Location : Throughout, The Sanitary Piping Are Beyond Their Useful Life Cycle Rating</i>						
Cast Iron	20%			LIFE	**	1	
Storm Drain Piping							
Cast Iron	100%			LIFE	**	1	
	<i>On Extended Life, Extent : Light, Area Affected : 100%</i>						
	<i>Location : Throughout, The Storm Drain Piping Are Beyond Their Useful Life Cycle Rating</i>						
Sump Pump(s)							
Submersible	100%			2027	\$100	4	\$100
	<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>						
	<i>Location : Basement, Defective Submersible Pump</i>						

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FIRE DEPARTMENT - 057
ENGINE CO. 236
Asset # : 13127

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Backflow Preventer								
No Component	90%							
Generic	10%			2037	**	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Back Flow Preventer Observed On Boiler Make Up Water Intake</i>						
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2030	\$79,700	1-3	\$80,900	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : 1 Set</i>						

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 237
Address : 43 MORGAN AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.237 / 13128 **Yr Built/Renovated** : 1894 /
Area Sq Ft : 5,810 **Project Type** : FIRE DEPARTMENT
Date of Survey : 12-Jul-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3102 **Lot** : 23 **BIN** : 3071494

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture		\$71,300
Mechanical		\$477,400
Total		\$548,600
Importance Code A		\$71,300
Importance Code B		\$477,400
Total		\$548,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$32,600	\$500	\$6,400	
Interior Architecture	\$19,600	\$2,300	\$1,300	
Electrical	\$900	\$700	\$600	\$600
Mechanical	\$10,400	\$16,200	\$7,900	\$8,100
Site Enclosure	\$13,100			
Site Pavements	\$43,100	\$100	\$100	\$500
Total	\$119,800	\$19,800	\$16,300	\$9,300
Importance Code A	\$32,900	\$800	\$6,600	\$300
Importance Code B	\$22,200	\$18,900	\$8,700	\$8,400
Importance Code C	\$64,700	\$100	\$1,000	\$500
Total	\$119,800	\$19,800	\$16,300	\$9,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 237
Asset # : 13128

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%			LIFE	**	5	\$38,100	
Masonry: Granite	3%			LIFE	**	5	\$1,100	
Masonry: Limestone	10%			LIFE	**	5	\$3,800	
Metal, Corrugated	2%			2059	**	1		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Stair Bulkhead</i>								
<i>Explanation : New Installation</i>								
Wood Overhead Doors	10%			2031	\$71,300	5	\$12,700	
<i>Worn/Eroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Exterior Surface</i>								
Windows								
Aluminum	100%			2049	**	5	\$1,300	
Parapets								
Masonry: Bluestone	10%			LIFE	**	5	\$6,800	
Masonry: Brick	80%			LIFE	**	5-10	\$8,200	
Metal Rail	5%			2050	**	5-10	\$1,400	
No Component	5%							
Roof								
Modified Bitumen	100%			2041	**	10	\$7,000	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : All Roofs</i>								
Interior								
Floors								
Cast in Place Concrete	25%			LIFE	**	5	\$9,400	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 60%</i>								
<i>Location : Apparatus Floor And Basement</i>								
Ceramic Tile	10%			2046	**	5	\$900	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Bathrooms, Laundry</i>								
Quarry Tile	5%			2050	**	5	\$600	
Wood	60%			2068	**	5	\$9,700	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 2nd And 3rd Floors</i>								
Interior Walls								
Ceramic Tile	15%			2046	**	5	\$1,800	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 40%</i>								
<i>Location : Bathrooms, Kitchen</i>								
Concrete Masonry Unit	15%			LIFE	**	5	\$1,400	
<i>Recent Construction, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Gypsum Board	55%			LIFE	**	5-10	\$11,100	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 2nd And 3rd Floors</i>								
Masonry: Brick	10%			LIFE	**	10	\$400	
SGFT/Glazed Masonry	5%			LIFE	**	10	\$300	

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 237
Asset # : 13128

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	45%			2050	**	5	\$3,900	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Kitchen, 3rd Floor, Bathrooms</i>								
Embossed Metal	15%			LIFE	**	5	\$1,200	
Exposed Struc: Steel	15%			LIFE	**	10	\$2,600	
Exposed Struc: Wood	25%			LIFE	**	10	\$3,200	
Site Enclosure								
Fence/Gates								
Wood	100%	Now	\$13,100	2038	**			
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Rear Yard</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	**			
On-Site Walkways								
Wood	100%	Now	\$43,100	2033	\$43,100	1-3	\$2,000	
<i>Missing Connections, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Rear Yard Deck</i>								
<i>Rotting/Splitting, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Rear Yard Deck</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2059	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 400 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2059	**	5	\$200	
Raceway								
Conduit	100%			2059	**	1		
Panelboards								
Molded Case Bkrs	100%			2055	**	5	\$200	
Wiring								
Thermoplastic	100%			2059	**	1		
Motor Controllers								
Locally Mounted	100%			2050	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								

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FIRE DEPARTMENT - 057
ENGINE CO. 237
Asset # : 13128

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Transfer Switches								
Automatic	100%			2050	**	1	\$1,800	
Generators								
Diesel	100%			2046	**	1	\$2,300	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : Emergency Generator Rated At 60 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2028	\$2,400	5	\$200	
Fuel Storage								
Day Tank								
	5%			2055	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : 26 Gallons Rated Capacity</i>								
Main Tank								
	95%			2068	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 550 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
LED	100%			2041	**			
Egress Lighting								
Emergency, Service	50%			2041	**	1		
Exit, LED	50%			2068	**	1		
Exterior Lighting								
LED	30%			2041	**			
No Component	70%							
Alarm								
Security System								
Generic	100%			2041	**	1	\$2,200	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Outside Perimeter</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Electricity	20%			2059	**	1		
Natural Gas	80%			2059	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 237
Asset # : 13128

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment								
Heat Pump Air Sourced	20%			2037	**	2	\$400	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 3 Units</i>						
Hot Water Boiler	80%			2050	**	1	\$2,300	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Hot Wtr Piping/Pump	80%	0-2	\$1,000	2055	**	4	\$200	
		<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>						
		<i>Location : 3rd Floor</i>						
		<i>Explanation : Lack Of Heat</i>						
No Component	20%							
Terminal Devices								
Convactor/Radiator	60%			2050	**	1	\$1,100	
Fan Coil Unit/Heat	40%			2041	**	1	\$800	
Air Conditioning								
Energy Source								
Electricity	100%			2055	**	1		
Conversion Equipment								
Heat Pump Air Sourced	50%			2037	**	2	\$200	
		<i>R-410a Refrigerant, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 3 Units, Roof</i>						
Split Unit	15%			2041	**			
		<i>R-410a Refrigerant, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 3 Units, Roof</i>						
No Component	35%							
Terminal Devices								
Fan Coil - 2 Pipe	65%			2041	**	1	\$1,200	
No Component	35%							
Heat Rejection								
Air Cooled Condenser Unit	65%			2041	**	2	\$2,600	
No Component	35%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,100	
Exhaust Fans								
Roof	50%			2041	**	2	\$100	
Wall Unit	20%			2033	\$500	2		
No Component	30%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2059	**	1		

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Estimates are rounded to the nearest hundred dollars.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 237
Asset # : 13128

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Water Heater With Tanks Gas Fired	80%			2032	\$66,700	2		
	<i>Other Observation, Extent : N/A, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Two 75 Gallon Units</i>							
Solar	20%			2032	\$311,100	1		
	<i>Other Observation, Extent : N/A, Area Affected : 100%</i>							
	<i>Location : Roof And Basement</i>							
	<i>Explanation : 2 Sets With Two 120 Gallon Storage Tanks.</i>							
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Submersible	100%			2028	\$200	4	\$200	
Backflow Preventer Generic	100%			2041	**	1	\$400	
Fixtures Generic	100%							
Fire Suppression								
Chemical System Generic	100%			2031	\$99,600	1-3	\$93,000	
	<i>Other Observation, Extent : N/A, Area Affected : 100%</i>							
	<i>Location : Kitchen</i>							
	<i>Explanation : 1 Set Covers 25 Square Feet</i>							

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 238/LADDER CO. 106
Address : 205 GREENPOINT AVENUE @ MCGUINNESS BLVD.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.238 / 13129 **Yr Built/Renovated** : 1972 /
Area Sq Ft : 10,262 **Project Type** : FIRE DEPARTMENT
Date of Survey : 25-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2560 **Lot** : 50 **BIN** : 3064786

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$112,200	\$161,100
Interior Architecture		\$265,000
Electrical		\$179,200
Total	\$112,200	\$605,400
Importance Code A	\$112,200	\$224,600
Importance Code B		\$380,700
Total	\$112,200	\$605,400

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$56,300		\$1,500	
Interior Architecture	\$53,300	\$1,800	\$3,100	\$500
Electrical	\$3,300	\$800	\$1,000	\$700
Mechanical	\$11,100	\$800	\$26,400	\$1,100
Site Enclosure	\$11,900			
Site Pavements	\$37,300			
Total	\$173,100	\$3,500	\$32,000	\$2,300
Importance Code A	\$56,800	\$500	\$2,100	\$500
Importance Code B	\$55,400	\$2,000	\$29,900	\$1,800
Importance Code C	\$61,000	\$1,100		
Total	\$173,100	\$3,500	\$32,000	\$2,300



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 238/LADDER CO. 106
Asset # : 13129

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	10%			LIFE	**	5	\$12,200	
Masonry: Brick Cavity	85%			LIFE	**	5	\$20,800	
Metal Sect. OHD	5%	Now	\$4,300	2044	**	5	\$1,900	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Right Metal Overhead Door</i>								
<i>Explanation : Does Not Reach The Ground When Closed</i>								
Windows								
Aluminum	100%	2-4	\$112,200	2056	**	5	\$1,200	2
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Gymnasium</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 25%</i>								
<i>Location : 2nd Floor Windows</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$1,000	
Masonry: Brick	30%	Now	\$2,000	LIFE	**	5	\$800	
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Corner Adjacent To Gas Station</i>								
Metal Rail	5%			2036	**	5-10	\$2,400	
Stucco Cement	50%	2-4	\$1,600	2036	**	5	\$1,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Upper Roof Parapet</i>								
No Component	10%							
<i>Other Observation, Extent : N/A, Area Affected : 0%</i>								
<i>Location : Lower Roof</i>								
<i>Explanation : No Parapet</i>								
Roof								
Modified Bitumen	100%	Now	\$48,300	2031			\$161,100	
<i>Alligatoring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Both Roofs</i>								
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Lower Roof</i>								
<i>Ridging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Both Roofs</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Lower Roof Where Kitchen Abuts Garage And Bunk Room</i>								
Soffits								
Cast in Place Concrete	100%			LIFE	**	5	\$11,900	
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 238/LADDER CO. 106
Asset # : 13129

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	30%	0-2	\$7,700	LIFE	**	5	\$10,100	
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Through Slab In Basement Tank Room</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement Slab Throughout</i>								
Ceramic Tile	10%			2040	**	5	\$1,500	
Sheet Vinyl/Rubber	27%			2031	\$265,000	5	\$6,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Rubber Flooring</i>								
Terrazzo	8%			LIFE	**	5	\$1,000	
Vinyl Tile	25%			2036	**	3	\$1,900	
Interior Walls								
Cast in Place Concrete	10%	Now	\$15,700	LIFE	**			
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations Throughout Basement</i>								
Ceramic Tile	10%			2040	**	5	\$2,100	
Concrete Masonry Unit	15%			LIFE	**	5	\$1,300	
Gypsum Board	5%			LIFE	**	5	\$600	
Plaster	30%			LIFE	**	5	\$1,900	
SGFT/Glazed Masonry	30%			LIFE	**			
Ceilings								
AcousTileConcealSpLn	35%	0-2	\$8,400	2048	**	5	\$3,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor</i>								
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Locker And Bunk Room</i>								
AcousTileSusp.Lay-In	10%			2044	**	5	\$1,500	
Exposed Struc: Concrete	45%	Now	\$20,200	LIFE	**	5	\$1,100	
<i>Paint Peeling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Plaster	10%			LIFE	**	5	\$1,000	
Site Enclosure								
Fence/Gates								
Chain Link	80%	Now	\$9,300	2041	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Impact Damage, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Gas Station Side</i>								
Iron Picket	20%	Now	\$2,500	2051	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Gas Station Side</i>								
Site Pavements								

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FIRE DEPARTMENT - 057
ENGINE CO. 238/LADDER CO. 106
Asset # : 13129

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$3,900	2036		**		
	<i>Tripping Hazard, Extent : Severe, Area Affected : 10%</i>							
	<i>Location : Front Of Building</i>							
<hr/>								
On-Site Walkways								
Asphalt	100%	4+	\$500	2034		**		
	<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Side Yard Adjacent Gas Station</i>							
<hr/>								
Parking/Driveway								
Asphalt	100%	Now	\$32,900	2034		**		
	<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Driveway And Parking Lot</i>							
	<i>Potholes, Extent : Moderate, Area Affected : 15%</i>							
	<i>Location : Driveway And Parking Lot</i>							
	<i>Sinking/Subsiding, Extent : Severe, Area Affected : 10%</i>							
	<i>Location : Parking Lot</i>							

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2031	\$63,500	5	\$300	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Electrical Room</i>							
	<i>Explanation : Main Service Disconnect Switch Rated At 400 Amperes.</i>							
<hr/>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	\$63,500	5	\$300	
<hr/>								
Raceway								
Conduit	100%			2031	\$36,000	1		
<hr/>								
Panelboards								
Molded Case Bkrs	100%			2030	\$48,500	5	\$300	
<hr/>								
Wiring								
Thermoplastic	100%			2031	\$32,500	1		
<hr/>								
Motor Controllers								
Locally Mounted	100%			2036		**	\$100	
<hr/>								
Ground								
Grounding Devices								
Not Accessible	100%							
	<i>Other Observation, Extent : N/A, Area Affected : 0%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Connected To Metal Water Pipe. Point Of Contact Not Visible Covered With Insulation</i>							
<hr/>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2036		**	\$3,200	

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FIRE DEPARTMENT - 057
ENGINE CO. 238/LADDER CO. 106
Asset # : 13129

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power Generators Diesel	100%			2034	**	1	\$4,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Emergency Generator Rated At 55 Kilowatts</i>								
Batteries Lead/Acid	100%			2024	\$2,400	5	\$400	
Fuel Storage Main Tank	100%			2046	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 275 Gallons Rated Capacity</i>								
Lighting Interior Lighting Fluorescent	60%			2031	\$52,200	10	\$5,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement And First Floor</i>								
<i>Explanation : T-8 Lamps</i>								
LED	40%			2036	**			
Egress Lighting Emergency, Service Exit, LED	60%			2031	\$3,700	1		
	40%			2046	**	1		
Exterior Lighting HID	30%			2031	\$14,000	10		
No Component	70%							
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating Energy Source Natural Gas	100%			2041	**	1		
Conversion Equipment Hot Water Boiler	100%			2044	**	1	\$5,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution Hot Wtr Piping/Pump	100%			2039	**	4	\$500	
Terminal Devices Convector/Radiator	70%			2036	**	1	\$2,300	
Unit Heater - Steam	30%			2026	\$17,100	4	\$300	
Air Conditioning Energy Source Electricity	100%			2039	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 238/LADDER CO. 106
Asset # : 13129

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Exterior Pkg Unit - Cooling	15%			2031	\$16,500	2	\$100
		<i>R-134a Refrigerant, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
	Split Unit	25%			2036	**		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : R-410a Refrigerant</i>						
	Window/Wall Unit	20%	0-2	\$1,500	2026	\$7,600	1	
		<i>Not Energy Efficient, Extent : Moderate, Area Affected : 60%</i>						
		<i>Location : Various Locations</i>						
	No Component	40%						
Terminal Devices								
	Fan Coil - 2 Pipe	25%			2036	**	1	\$800
	No Component	75%						
Heat Rejection								
	Air Cooled Condenser Unit	25%			2036	**	2	\$1,800
	No Component	75%						
Ventilation								
Distribution								
	Ductwork/Diffusers	50%			LIFE	**	2-5	\$2,900
	No Component	50%						
Exhaust Fans								
	Roof	60%			2036	**	2	\$200
	No Component	40%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2041	**	1	
Water Heater With Tanks								
	Gas Fired	100%			2029	\$16,700	2	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two 75 Gallon Units</i>						
Sanitary Piping								
	Cast Iron	100%	Now	\$6,300	LIFE	**	1	
		<i>Blockage /Clogged, Extent : Severe, Area Affected : 30%</i>						
		<i>Location : Water Backs Up In Basement, Apparatus Floor And Parking Lot Badly. 2nd Floor Bathroom Sink.</i>						
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	

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**FIRE DEPARTMENT - 057
ENGINE CO. 238/LADDER CO. 106
Asset # : 13129**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Sump Pump(s) Non-Submersible	100%	Now	\$2,000	2041	**	4	\$200	
<i>Not in Service, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fixtures								
Generic	100%							

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 239
Address : 395 4th AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.239 / 13130 **Yr Built/Renovated** : 1895 / 2008
Area Sq Ft : 4,600 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Dec-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 993 **Lot** : 5 **BIN** : 3021578

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Mechanical		\$99,600
Total		\$99,600
Importance Code B		\$99,600
Total		\$99,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$77,000	\$800	\$1,800	
Interior Architecture	\$29,900		\$500	
Electrical	\$700	\$500	\$500	\$2,900
Mechanical	\$13,900	\$19,300	\$7,700	\$7,500
Total	\$121,500	\$20,600	\$10,600	\$10,400
Importance Code A	\$77,300	\$1,100	\$2,100	\$200
Importance Code B	\$37,300	\$19,500	\$8,200	\$10,200
Importance Code C	\$6,900		\$300	
Total	\$121,500	\$20,600	\$10,600	\$10,400



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FIRE DEPARTMENT - 057
ENGINE CO. 239
Asset # : 13130

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$37,800	
Masonry: Limestone	5%			LIFE	**	5	\$1,800	
Metal/Glass Curt Wall	10%	Now	\$38,900	LIFE	**	5	\$4,400	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
Metal Sect. OHD	5%			2046	**	5	\$3,700	
Windows								
Aluminum	100%			2055	**	5	\$700	
Parapets								
Masonry: Brick	70%			LIFE	**	5-10	\$7,200	
Masonry: Limestone	10%			LIFE	**	5-10	\$1,800	
Metal Panel	10%			2059	**	5	\$600	
Metal: Cage/Fence	10%			2050	**	5-10	\$1,200	
Roof								
Modified Bitumen	90%			2041	**	10	\$6,700	
Plaza Roof: Stone Panels	5%			2059	**			
Skylight, Metal/Glass	5%	Now	\$10,200	2059	**			
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Lower Roof</i>								
Interior								
Floors								
Cast in Place Concrete	75%			LIFE	**	5	\$26,400	
Ceramic Tile	5%			2046	**	5	\$400	
Wood	20%	Now	\$1,900	2068	**	5	\$1,500	
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 2nd Floor Roof Entry Door</i>								
Interior Walls								
Cast in Place Concrete	5%			LIFE	**	10	\$1,400	
Ceramic Tile	5%			2046	**	5	\$600	
Concrete Masonry Unit	10%			LIFE	**	5	\$900	
Glass: Single Pane	5%			LIFE	**	5	\$800	
Gypsum Board	55%	Now	\$1,700	LIFE	**	5	\$3,600	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
SGFT/Glazed Masonry	15%			LIFE	**	10	\$800	
Wood	5%			LIFE	**	5	\$4,400	

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FIRE DEPARTMENT - 057
ENGINE CO. 239
Asset # : 13130

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	50%	Now	\$3,300	2050	**	5	\$2,000	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Bathroom 3rd Floor</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Embossed Metal	20%			LIFE	**	5	\$1,400	
Exposed Struc: Steel	20%			LIFE	**	10	\$3,200	
Gypsum Board	10%	Now	\$700	LIFE	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Weight Room</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Site Enclosure								
Fence/Gates								
Aluminum Rail	100%			2046	**	5-10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Roof Rail</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	**			
Parking/Driveway								
Cast in Place Concrete	100%			2046	**			
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2053	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 400 Amperes.</i>								
Transformers								
Dry Type	100%			2046	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : 75 Kilovolt Amperes, 208 Volts Primary, 120 Volts Secondary</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2053	**	5	\$100	
Raceway								
Conduit	100%			2053	**	1		
Panelboards								
Fused Disc Sw	20%			2049	**	5		
Molded Case Bkrs	80%			2049	**	5	\$100	

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FIRE DEPARTMENT - 057
ENGINE CO. 239
Asset # : 13130

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Wiring								
Thermoplastic	100%			2053	**	1		
Motor Controllers								
Locally Mounted	100%			2046	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2046	**	1	\$1,400	
Generators								
Diesel	100%			2042	**	1	\$1,800	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Generator Room</i>						
		<i>Explanation : Emergency Generator Rated At 180 Kilowatts</i>						
Batteries								
Lead/Acid	100%			2027	\$2,400	5	\$200	
Fuel Storage								
Day Tank								
	15%			2049	**	5		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 50 Gallons Rated Capacity</i>						
Main Tank								
	85%			2061	**	5		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 350 Gallons Rated Capacity</i>						
Lighting								
Interior Lighting								
LED	100%			2038	**			
Egress Lighting								
Emergency, Service	50%			2038	**	1		
Exit, LED	50%			2061	**	1		
Exterior Lighting								
LED	10%			2038	**			
No Component	90%							
Alarm								
Security System								
Generic	100%			2038	**	1	\$1,700	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Front Only</i>						
		<i>Explanation : CCTV Surveillance Cameras</i>						

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 239
Asset # : 13130

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2059	**	1		
Conversion Equipment								
Furnace	65%			2038	**	1	\$1,500	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 3 Rooftop Air Conditioning Units With Gasoline Fired Furnaces</i>						
Hot Water Boiler	35%			2046	**	1	\$800	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Natural Gasoline Fired Hot Water Boiler</i>						
Distribution								
Hot Wtr Piping/Pump	35%			2055	**	4	\$100	
No Component	65%							
Terminal Devices								
Convactor/Radiator	15%			2046	**	1	\$200	
Fan Coil Unit/Heat	20%			2038	**	1	\$300	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Apparatus Floor</i>						
		<i>Explanation : Unit Heaters Serve Apparatus Floor</i>						
No Component	65%							
Air Conditioning								
Energy Source								
Electricity	100%			2055	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	50%			2038	**	2	\$100	
		<i>R-134a Refrigerant, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 3 Units On Roof</i>						
Split Unit	10%			2038	**			
		<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2038	**	1	\$200	
No Component	90%							
Heat Rejection								
Air Cooled Condenser Unit	10%			2038	**	2	\$300	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,100	
Exhaust Fans								
Roof	100%			2038	**	2	\$100	
Plumbing								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 239
Asset # : 13130

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
H/C Water Piping	Brass/Copper	100%			2059	**	1	
Water Heater With Tanks	Gas Fired	50%			2031	\$8,300	2	
				<i>Other Observation, Extent : N/A, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : One 75 Gallon Unit</i>				
	Gas Fired	50%	0-2	\$5,000	2033	\$8,300	2	
				<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : One 75 Gallon Unit. Basement</i>				
Sanitary Piping	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)	Submersible	100%			2027	\$100	4	\$100
Backflow Preventer	Generic	100%			2041	**	1	\$300
Fixtures	Generic	100%						
Fire Suppression								
Sprinkler	Generic	100%			2059	**	1-2	\$1,300
Chemical System	Wet	100%			2031	\$99,600	1-3	\$104,100
				<i>Other Observation, Extent : N/A, Area Affected : 100%</i>				
				<i>Location : Kitchen</i>				
				<i>Explanation : 1 Set, Covers 25 Square Feet In Kitchen</i>				

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 24/ LADDER CO. 5
Address : 227 AVENUE OF THE AMERICAS
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.024 / 13018 **Yr Built/Renovated** : 1975 /
Area Sq Ft : 9,376 **Project Type** : FIRE DEPARTMENT
Date of Survey : 24-Nov-2020 **Landmark Status** : NONE
Areas Surveyed : Floors 1,2
Block : 520 **Lot** : 37 **BIN** : 1080044

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$159,700	
Interior Architecture	\$75,700	
Electrical		\$175,000
Total	\$235,400	\$175,000
Importance Code A	\$159,700	
Importance Code B	\$75,700	\$175,000
Total	\$235,400	\$175,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$82,800			
Interior Architecture	\$58,300	\$3,900		\$400
Electrical	\$3,200	\$700	\$800	\$16,600
Mechanical	\$2,700	\$7,900	\$2,600	\$4,500
Site Pavements	\$4,700			
Total	\$151,700	\$12,500	\$3,300	\$21,400
Importance Code A	\$83,300	\$500	\$500	\$500
Importance Code B	\$54,200	\$12,000	\$2,900	\$20,900
Importance Code C	\$14,200			
Total	\$151,700	\$12,500	\$3,300	\$21,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 24/ LADDER CO. 5
Asset # : 13018

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	90%	4+	\$34,500	LIFE	**	5	\$21,400	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front And Rear Facade On The Right</i>								
<i>Expansion Joint Failure, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : North And South Property Lines</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 15%</i>								
<i>Location : Ivy Growth At Front And Left Facade</i>								
Wood Overhead Doors	10%	Now	\$66,700	2052	**	5	\$6,000	
<i>Unit Inoperable, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Main Door</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Main Door</i>								
<i>Explanation : Unit Always Breaking Down</i>								
Windows								
Aluminum	100%	Now	\$29,700	2040	**	5	\$800	
<i>Air Infiltration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	15%	Now	\$18,700	LIFE	**	5	\$4,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	85%			LIFE	**	5	\$3,000	
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 30%</i>								
<i>Location : South Wall Of Parapet</i>								
Roof								
Modified Bitumen	100%	Now	\$92,900	2037	**			
<i>Alligatoring, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Blisters, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Soffits								
Cement - Fiber Panel	100%			2032		10		
<i>Staining/Discoloring, Extent : Light, Area Affected : 50%</i>								
<i>Location : Front Facade</i>								

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 24/ LADDER CO. 5
Asset # : 13018

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	40%	4+	\$9,300	LIFE	**	5	\$12,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus And Basement Floor</i>								
<i>Ponding, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Flooding During Heavy Rain, Sewer Backs Up</i>								
Ceramic Tile	35%	4+	\$27,000	2041	**	5	\$2,500	
<i>Worn/Eroded, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Quarry Tile	5%	4+	\$1,000	2045	**	5	\$500	
<i>Worn/Eroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	20%	Now	\$7,600	2027	\$75,700	3	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Concrete Masonry Unit	30%	4+	\$12,500	LIFE	**	5	\$2,700	
<i>Diagonal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Stair</i>								
Gypsum Board	5%	Now	\$300	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Lounge</i>								
Plaster	15%			LIFE	**	5	\$1,000	
Plywood/Hardboard	10%			LIFE	**			
SGFT/Glazed Masonry	40%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	55%			2045	**	5	\$7,700	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Locker Room And Kitchen</i>								
Exposed Struc: Concrete	35%			LIFE	**	5	\$800	
Gypsum Board	10%	2-4	\$500	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Corridor</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2052	**			
Free Standing Walls								
Cast in Place Concrete	100%			2067	**			
Site Pavements								

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FIRE DEPARTMENT - 057
ENGINE CO. 24/ LADDER CO. 5
Asset # : 13018

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2045		**		
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$200	2045		**		
		<i>Spalling, Extent : Moderate, Area Affected : 5%</i>						
		<i>Location : Steps To Rear Yard</i>						
Parking/Driveway								
Cast in Place Concrete	100%	0-2	\$1,200	2045		**		
		<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Front Ramp</i>						
Activity Yard								
Cast in Place Concrete	100%	0-2	\$3,400	2045		**		
		<i>Ponding, Extent : Moderate, Area Affected : 15%</i>						
		<i>Location : Rear Yard</i>						
		<i>Other Observation, Extent : Moderate, Area Affected : 15%</i>						
		<i>Location : Rear Yard</i>						
		<i>Explanation : Floods During Heavy Rain</i>						

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	60%			2062		**	5	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 300 Ampere Main Disconnect Switch</i>						
Fused Disc Sw	40%			2052		**	5	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 200 Ampere Main Disconnect Switch For Emergency</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2052		**	5	\$200
Raceway								
Conduit	100%			2032	\$36,000		1	
Panelboards								
Fused Disc Sw	5%			2031	\$2,400		5	
Molded Case Bkrs	95%			2031	\$46,000		5	\$200
Wiring								
Thermoplastic	100%			2032	\$32,500		1	
Motor Controllers								
Locally Mounted	100%			2030	\$17,800		5	\$100
Ground								
Grounding Devices								
Generic	100%			LIFE		**	5	\$100
Stand-by Power								

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FIRE DEPARTMENT - 057
ENGINE CO. 24/ LADDER CO. 5
Asset # : 13018

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Transfer Switches								
Automatic	100%			2030	\$12,900	1	\$2,900	
Generators								
Diesel	100%			2028	\$99,500	1	\$3,600	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Back Yard</i>						
		<i>Explanation : One 40 Kilowatts</i>						
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$300	
Fuel Storage								
Day Tank	5%			2031	\$1,300	5		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Back Yard</i>						
		<i>Explanation : One 50 Gallons</i>						
Main Tank	95%			2035	**	5		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Underground</i>						
		<i>Explanation : One 1,000 Gallons</i>						
Lighting								
Interior Lighting								
Fluorescent	95%			2032	\$75,600	10	\$8,200	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : T-8 Lamps</i>						
Incandescent	5%			2027	\$5,700	2		
Egress Lighting								
Emergency, Service	60%			2032	\$3,400	1		
Exit, Service	40%			2027	\$1,600	1		
Exterior Lighting								
HID	20%			2027	\$8,500	10		
No Component	80%							
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2052	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2045	**	1	\$4,600	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement Boiler Room</i>						
		<i>Explanation : One Gas Fired Hot Water Boiler</i>						
Distribution								
Hot Wtr Piping/Pump	100%			2040	**	4	\$700	

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FIRE DEPARTMENT - 057
ENGINE CO. 24/ LADDER CO. 5
Asset # : 13018

Mechanical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convector/Radiator	80%			2037	**	1	\$2,400	
Unit Heater - Hot Water	20%			2032	\$10,900			
Air Conditioning								
Energy Source								
Electricity	100%			2040	**	1		
Conversion Equipment								
Split Unit	60%			2040	**			
Window/Wall Unit	20%			2025	\$6,900	1		
No Component	20%							
Heat Rejection								
Air Cooled Condenser Unit	60%			2040	**	2	\$3,900	
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,200	
Exhaust Fans								
Roof	80%			2040	**	2	\$200	
Roof	20%			2032	\$3,600	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2042	**	1		
Water Heater With Tanks								
Gas Fired	100%			2030	\$16,700	2		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Two 75 Gallon Units</i>					
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%			2032	\$1,800	4	\$300	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Duplex Unit</i>					
Backflow Preventer								
No Component	95%							
Generic	5%			2037	**	1		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Serves Boiler Only</i>					

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FIRE DEPARTMENT - 057
ENGINE CO. 24/ LADDER CO. 5
Asset # : 13018

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Fixtures								
Generic	100%							
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Through Out</i>								
<i>Explanation : Newly Renovated Restrooms</i>								
Fire Suppression								
Chemical System								
No Component	95%							
Generic	1%	Now	\$300	2032	\$800	1-3	\$700	
<i>Damaged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
Generic	4%			2027	\$3,200	1-3	\$3,200	

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 240
Address : 1307 PROSPECT AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.240 / 13131 **Yr Built/Renovated** : 1895 / 2000
Area Sq Ft : 5,090 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Jan-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5285 **Lot** : 21 **BIN** : 3122838

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$224,200	
Interior Architecture	\$92,500	
Electrical		\$63,500
Total	\$316,700	\$63,500
Importance Code A	\$224,200	
Importance Code B	\$92,500	\$63,500
Total	\$316,700	\$63,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$7,000			
Interior Architecture	\$95,900		\$300	\$700
Electrical	\$700	\$500	\$3,000	\$600
Mechanical	\$44,300	\$9,700	\$4,100	\$4,100
Site Enclosure	\$8,000			
Site Pavements	\$4,600			
Total	\$160,500	\$10,200	\$7,300	\$5,300
Importance Code A	\$7,500	\$500	\$500	\$500
Importance Code B	\$84,300	\$9,700	\$6,800	\$4,800
Importance Code C	\$68,700			\$100
Total	\$160,500	\$10,200	\$7,300	\$5,300



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 240
Asset # : 13131

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$98,900	LIFE	**	5	\$12,300	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Overhead Door</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East And North Facade</i>								
Masonry: Limestone	20%			LIFE	**	5	\$5,300	
Wood Overhead Doors	10%			2038	**	5	\$8,800	
Windows								
Aluminum	100%			2049	**	5	\$1,400	
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5-10	\$3,300	
Masonry: Brick	90%	Now	\$52,300	LIFE	**	5	\$2,100	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front Facade Parapet</i>								
Masonry: Limestone	5%			LIFE	**	5-10	\$1,400	
Roof								
Metal, Corrugated	10%			2046	**	1		
Modified Bitumen	88%	4+	\$73,000	2043	**			
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Lower And Upper Roof</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>								
<i>Location : Lower Roof</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Granular Finish Is Deteriorating Collecting At The Roof Drains. Throughout</i>								
Skylight, Metal/Glass	2%			2043	**	10	\$500	
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$15,000	
Ceramic Tile	5%			2042	**	5	\$400	
Quarry Tile	5%			2046	**	5	\$600	
Vinyl Tile	45%	Now	\$92,500	2043	**	3	\$1,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Locker Room</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor. Locker Room</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 240
Asset # : 13131

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	2%			2042	**	5	\$200	
Gypsum Board	15%			LIFE	**	5-10	\$2,000	
Masonry: Brick	15%	Now	\$43,100	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Plaster	68%	Now	\$12,500	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Battalion 48</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Corridor, Battalion 48 Office And Stairs To Basement</i>								
Ceilings								
AcousTileSusp.Lay-In	40%	Now	\$2,500	2038	**	5	\$1,500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Embossed Metal	40%	Now	\$17,900	LIFE	**	5	\$1,400	
<i>Bent/Warped Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Floor</i>								
Exposed Struc: Concrete	20%	Now	\$11,100	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Site Enclosure								
Fence/Gates								
Chain Link	95%	Now	\$8,000	2043	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Fence Concrete Base</i>								
Iron Picket	5%			2053	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	**			
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$3,800	2046	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2046	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 240
Asset # : 13131

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

Activity Yard

Cast in Place Concrete	100%	0-2	\$800	2046		**		
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*Cracking/Crumbling, Extent : Light, Area Affected : 10%**Location : Rear Yard*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2033	\$14,700	5		
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : Main Service Disconnect Switch Rated At 200 Amperes.*

Switchgear / Switchboard

Molded Case Bkrs	100%			2033	\$63,500	5	\$100	
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Raceway

Conduit	100%			2033	\$36,000	1		
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Panelboards

Molded Case Bkrs	50%			2032	\$24,200	5	\$100	
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Molded Case Bkrs	50%			2041	**	5	\$100	
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Wiring

Thermoplastic	100%			2043	**	1		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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Stand-by Power

Transfer Switches

Automatic	100%			2038	**	1	\$1,600	
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Generators

Diesel	100%			2036	**	1	\$2,000	
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Side Yard**Explanation : Emergency Generator Rated At 60 Kilowatts*

Batteries

Lead/Acid	100%			2026	\$2,400	5	\$200	
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Fuel Storage

Main Tank	100%			2048	**	5		
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Side Yard**Explanation : No Available Ratings Capacity*

Lighting

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FIRE DEPARTMENT - 057
ENGINE CO. 240
Asset # : 13131

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Interior Lighting Fluorescent	10%			2033	\$4,300	10	\$500	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : T-8 Lamps</i>						
LED	90%			2041	**			
Egress Lighting Emergency, Service	100%			2033	\$3,100	1		
Exterior Lighting LED	30%			2041	**			
No Component	70%							
Alarm								
Security System Generic	100%			2041	**	1	\$1,900	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Front Of The Building</i>						
		<i>Explanation : CCTV Surveillance Camera</i>						
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	100%			2053	**	1		
Conversion Equipment Steam Boiler	100%			2046	**	1	\$5,000	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						
Distribution Central Plant Steam Piping/Pmp	100%			2043	**	4	\$300	
Terminal Devices Convactor/Radiator	100%			2038	**	1	\$1,600	
Air Conditioning								
Energy Source Electricity	100%			2041	**	1		
Conversion Equipment Split Unit	10%			2038	**			
Window/Wall Unit	60%	Now	\$2,300	2028	\$11,300	1		
		<i>Broken, Extent : Severe, Area Affected : 20%</i>						
		<i>Location : Locker Room, Bunker Rooms, Kitchen</i>						
No Component	30%							
Ventilation								

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FIRE DEPARTMENT - 057
ENGINE CO. 240
Asset # : 13131

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
Distribution								
Ductwork/Diffusers	30%	Now	\$13,100	LIFE	**	2-5	\$900	
<i>Malfunctioning, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Kitchen Rooftop</i>								
No Component	70%							
Exhaust Fans								
Roof	20%			2038	**	2		
Roof	15%	Now	\$1,400	2043	**	2		
<i>Unit Inoperable, Extent : Severe, Area Affected : 20%</i>								
<i>Location : First Floor Roof</i>								
No Component	65%							
Plumbing								
H/C Water Piping								
Brass/Copper	50%			2053	**	1		
Galvanized Steel	50%	Now	\$3,200	2038	**	1		
<i>Corroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Water Heater With Tanks								
Gas Fired	100%	Now	\$16,700	2031	\$33,400	2		
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallons Units, One Broken.</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	0-2	\$3,500	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
Sump Pump(s)								
Submersible	100%	Now	\$200	2028	\$200	4	\$100	
<i>Broken, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	100%			2031	\$47,800	1-3	\$50,000	
<i>Other Observation, Extent : N/A, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 12 Square Feet</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 241
Address : 6630 THIRD AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.241 / 13132 **Yr Built/Renovated** : 1970 /
Area Sq Ft : 8,575 **Project Type** : FIRE DEPARTMENT
Date of Survey : 13-Oct-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5841 **Lot** : 40 **BIN** : 3144349

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture	\$119,100	
Electrical		\$127,000
Total	\$119,100	\$127,000
Importance Code A		\$63,500
Importance Code B	\$119,100	\$63,500
Total	\$119,100	\$127,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$39,600	\$2,700	\$2,200	
Interior Architecture	\$44,700		\$1,500	\$1,200
Electrical	\$10,200		\$100	\$100
Mechanical	\$14,300	\$1,000	\$1,700	\$800
Site Enclosure	\$10,400			
Site Pavements	\$13,700			
Total	\$132,800	\$3,700	\$5,400	\$2,000
Importance Code A	\$40,000	\$3,100	\$2,600	\$400
Importance Code B	\$60,300	\$600	\$2,800	\$500
Importance Code C	\$32,500			\$1,100
Total	\$132,800	\$3,700	\$5,400	\$2,000



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FIRE DEPARTMENT - 057
ENGINE CO. 241
Asset # : 13132

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	4+	\$22,300	LIFE	**	5	\$13,800	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Entrance Door</i>								
Metal Sect. OHD	10%			2050	**	5	\$5,400	
Stucco Cement	10%			2046	**	5	\$4,300	
Windows								
Aluminum	100%	Now	\$8,500	2041	**	5	\$900	
<i>Crtrwt/Balnc Not Funct, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Roof								
Modified Bitumen	100%	2-4	\$8,800	2038	**			
<i>Blisters, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Main Roof</i>								
Interior								
Floors								
Cast in Place Concrete	50%	0-2	\$53,300	LIFE	**	5	\$14,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Stair Treads To Cellar And Boiler Room</i>								
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	10%			2046	**	5	\$1,300	
Panel/Paver: Cer/Brk	33%			2049	**	5	\$9,500	
Terrazzo	5%	2-4	\$2,900	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	2%	Now	\$6,900	2043	**	3	\$100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stair Landing</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Stair Landing</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Stair Landing</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 241
Asset # : 13132

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	5%	0-2	\$1,700	LIFE		**		
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Upper Foundation Wall At Building Joint</i>								
Ceramic Tile	10%			2042		**	\$2,200	
Concrete Masonry Unit	5%			LIFE		**	\$900	
Marble Panels	5%			LIFE		**	\$500	
Plaster	35%	Now	\$3,700	LIFE		**	\$2,400	
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Stairs</i>								
SGFT/Glazed Masonry	40%	4+	\$15,800	LIFE		**		
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Kitchen</i>								
Ceilings								
AcousTileSusp.Lay-In	10%			2046		**	\$1,600	
Exposed Struc: Concrete	55%	4+	\$65,800	LIFE		**	\$1,400	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Below Washing Machine</i>								
Gypsum Board	5%	2-4	\$700	LIFE		**	\$1,000	
<i>Water Penetration, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor Bathroom</i>								
Plaster	30%	4+	\$7,300	LIFE		**	\$3,100	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Stairway</i>								
Site Enclosure								
Fence/Gates								
Aluminum Rail	75%	Now	\$10,400	2046		**	\$4,600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Main Roof Detached Guardrail</i>								
<i>Loose/Miss Fasteners, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Chain Link	25%			2043		**		
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	0-2	\$13,700	2038		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Sidewalk</i>								
On-Site Walkways								
Cast in Place Concrete	100%			2046		**		

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								

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FIRE DEPARTMENT - 057
ENGINE CO. 241
Asset # : 13132

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 300 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
Raceway								
Conduit	20%			2043	**	1		
Conduit	80%			2033	\$28,800	1		
Panelboards								
Molded Case Bkrs	20%			2041	**	5		
Molded Case Bkrs	80%			2032	\$38,800	5	\$200	
Wiring								
Thermoplastic	50%			2043	**	1		
Thermoplastic	50%			2033	\$16,300	1		
Motor Controllers								
Locally Mounted	100%			2031	\$17,800	5	\$100	
Ground								
Grounding Devices								
Generic	100%	2-4	\$10,200	LIFE	**	5	\$100	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Lighting								
Interior Lighting								
LED	100%			2038	**			
Egress Lighting								
Emergency, Battery	50%			2038	**	10	\$1,000	
Exit, LED	50%			2061	**	1		
Exterior Lighting								
HID	30%			2033	\$11,700	10		
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2046	**	1	\$4,200	
Distribution								
Hot Wtr Piping/Pump	100%			2041	**	4	\$600	
Terminal Devices								
Convactor/Radiator	70%			2038	**	1	\$1,900	
Unit Heater - Hot Water	30%			2033	\$14,900			

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FIRE DEPARTMENT - 057
ENGINE CO. 241
Asset # : 13132

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Electricity	100%			2041	**	1		
Conversion Equipment								
Split Unit	30%			2038	**			
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : For Bunker Room. R-410a Refrigerant And Kitchen</i>								
Window/Wall Unit	30%			2028	\$9,500	1		
Window/Wall Unit	10%	0-2	\$3,200	2033	\$3,200	1		
<i>Unit Inoperable, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2 Units In Gymnasium</i>								
No Component	30%							
Terminal Devices								
Fan Coil - 2 Pipe	30%			2038	**	1	\$800	
No Component	70%							
Heat Rejection								
Dry Cooler	30%			2038	**	2	\$1,800	
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$3,800	
No Component	50%							
Exhaust Fans								
Interior	30%			2038	**	2	\$100	
Roof	20%			2038	**	2	\$100	
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	10%	Now	\$3,200	2043	**	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Inside The Wall Of 2nd Floor Laundry Area, Leaking To Apparatus Floor.</i>								
Brass/Copper	90%			2043	**	1		
Water Heater With Tanks								
Gas Fired	100%			2028	\$16,700	2		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : One 75 Gallon Heater</i>								
Sanitary Piping								
Cast Iron	100%	0-2	\$5,300	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement And Apparatus Floor</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2026	\$300	4	\$300	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 241
Asset # : 13132

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
Fixtures									
	Generic	100%							
Fire Suppression									
Sprinkler									
	No Component	70%							
	Generic	30%			2033	\$34,700	1-2	\$700	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 242
Address : 9219 FIFTH AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.242 / 13133 **Yr Built/Renovated** : 1895 /
Area Sq Ft : 4,800 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Nov-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 6109 **Lot** : 19 **BIN** : 3155323

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture	\$149,200	\$67,800
Electrical		\$63,500
Mechanical		\$99,600
Total	\$149,200	\$231,000
Importance Code B	\$149,200	\$231,000
Total	\$149,200	\$231,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$25,000			
Interior Architecture	\$103,700		\$300	\$600
Electrical	\$300	\$200	\$200	\$200
Mechanical	\$24,600	\$7,300	\$7,500	\$15,500
Site Enclosure	\$30,100			
Site Pavements	\$3,000			
Total	\$186,700	\$7,400	\$7,900	\$16,300
Importance Code A	\$25,300	\$200	\$200	\$200
Importance Code B	\$81,900	\$7,200	\$7,700	\$15,800
Importance Code C	\$79,400			\$200
Total	\$186,700	\$7,400	\$7,900	\$16,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 242
Asset # : 13133

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%			LIFE	**	5	\$26,200	
Masonry: Limestone	10%			LIFE	**	5	\$2,600	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Granite Panels	2%			LIFE	**	5	\$500	
Wood Overhead Doors	13%			2038	**	5	\$11,300	
Windows								
Aluminum	100%	Now	\$3,100	2049	**	5	\$300	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Fifth Avenue</i>								
Parapets								
Masonry: Brick	85%			LIFE	**	5-10	\$8,500	
Metal Cornice	15%			2061	**	10	\$700	
Roof								
Asphalt Shingle	80%			2042	**	10	\$1,100	
Modified Bitumen	20%			2038	**	10	\$1,700	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$149,200	LIFE	**	5	\$7,900	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	10%	Now	\$7,900	2042	**	5	\$400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Quarry Tile	5%			2046	**	5	\$500	
Vinyl Tile	35%	Now	\$13,600	2033	\$67,800	3	\$900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2042	**	5	\$500	
Gypsum Board	15%			LIFE	**	5-10	\$2,500	
Masonry: Brick	15%			LIFE	**	10	\$400	
Plaster	60%	Now	\$42,300	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Wood	5%			LIFE	**	5	\$4,000	

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 242
Asset # : 13133

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	15%	Now	\$8,800	2046	**	5	\$500	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor Bathrooms</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Toilet</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen And Toilets</i>								
Exposed Struc: Steel	20%			LIFE	**	10	\$2,900	
Plaster	40%	Now	\$8,500	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Wood	25%			LIFE	**	5	\$31,400	
Site Enclosure								
Free Standing Walls								
Concrete Masonry Unit	100%	Now	\$30,100	2053	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rear Yard</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2050	**			
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$3,000	2046	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2050	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2033	\$14,700	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2033	\$63,500	5	\$100	
Raceway								
Conduit	20%			2043	**	1		
Conduit	80%			2033	\$28,800	1		
Panelboards								
Molded Case Bkrs	50%			2032	\$24,200	5	\$100	
Molded Case Bkrs	50%			2041	**	5	\$100	

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 242
Asset # : 13133

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Wiring								
Thermoplastic	100%			2043	**	1		
Motor Controllers								
Locally Mounted	100%			2038	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	70%			2033	\$28,500	10	\$3,100	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement, 1st Floor</i>						
		<i>Explanation : T-8 Lamps</i>						
LED	30%			2041	**			
Exterior Lighting								
HID	10%			2028	\$2,200	10		
No Component	90%							
Alarm								
Security System								
Generic	100%			2033	\$8,800	1	\$1,800	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Front Only</i>						
		<i>Explanation : CCTV Surveillance Camera</i>						

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Furnace	20%			2033	\$2,900	1	\$500	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : Serves 2nd Floor</i>						
Hot Water Boiler	80%			2046	**	1	\$1,900	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Hot Water Boiler</i>						
Distribution								
Hot Wtr Piping/Pump	80%			2032	\$8,200	4	\$300	
No Component	20%							
Terminal Devices								
Convactor/Radiator	80%			2031	\$30,700	1	\$1,200	
No Component	20%							

Air Conditioning

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FIRE DEPARTMENT - 057
ENGINE CO. 242
Asset # : 13133

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Electricity	100%			2041	**	1		
Conversion Equipment								
Split Unit	10%			2038	**			
Window/Wall Unit	50%	0-2	\$900	2028	\$8,900	1		
<i>Not Energy Efficient, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : The Gymnasium In 2nd Floor</i>								
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2038	**	1	\$200	
No Component	90%							
Heat Rejection								
Air Cooled Condenser Unit	10%			2038	**	2	\$300	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,300	
No Component	70%							
Exhaust Fans								
Roof	20%	0-2	\$700	2033	\$1,800	2		
<i>Not in Service, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Bath Room Exhaust Fans</i>								
Wall Unit	50%	2-4	\$1,000	2043	**	2	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : 1 Unit Is On Extended Life Time.</i>								
No Component	30%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2053	**	1		
Water Heater With Tanks								
Gas Fired	100%			2028	\$33,400	2		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%	Now	\$5,900	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Bath Room</i>								
<i>Leak Evident, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Leaks To The Ceiling Of Kitchen Causing Health Issue, It Needs To Be Take Care Soon.</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2027	\$100	4	\$200	

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 242
Asset # : 13133

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing	Fixtures							
	Generic	100%						
Fire Suppression	Chemical System							
	Generic	100%			2028	\$99,600	1-3	\$101,100
<i>Other Observation, Extent : N/A, Area Affected : 100%</i> <i>Location : Covers 25 Square Feet In Kitchen.</i> <i>Explanation : 1 Set</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 243/LADDER CO. 168
Address : 8653 18th AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.243 / 13134 **Yr Built/Renovated** : 1896 / 2009
Area Sq Ft : 5,742 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-Nov-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 6369 **Lot** : 24 **BIN** : 3166596

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture		\$64,400
Interior Architecture	\$233,200	
Mechanical		\$83,700
Site Enclosure	\$53,600	
Total	\$286,800	\$148,100
Importance Code A		\$64,400
Importance Code B	\$143,500	\$83,700
Importance Code C	\$143,200	
Total	\$286,800	\$148,100

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$50,700			
Interior Architecture	\$109,100		\$2,000	\$1,000
Electrical	\$3,200	\$400	\$500	\$2,800
Mechanical	\$27,100	\$16,400	\$6,200	\$6,200
Site Pavements	\$32,900			
Total	\$222,900	\$16,800	\$8,700	\$10,000
Importance Code A	\$51,000	\$300	\$300	\$300
Importance Code B	\$131,300	\$16,500	\$8,400	\$9,300
Importance Code C	\$40,600			\$400
Total	\$222,900	\$16,800	\$8,700	\$10,000



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 243/LADDER CO. 168
Asset # : 13134

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	10%	2-4	\$2,000	2053	**			
<i>Deformed/Dented, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Side Facade</i>								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$15,900	
Concrete Masonry Unit	5%			LIFE	**	5	\$1,300	
Masonry: Brick	80%			LIFE	**	5	\$32,500	
Windows								
Aluminum	100%			2049	**	5	\$500	
Parapets								
Cast Stone/Terra Cotta	40%			LIFE	**	5-10	\$5,400	
Masonry: Brick	60%	Now	\$17,700	LIFE	**	5	\$300	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Roof								
Copper/Terne	5%			2061	**	10	\$900	
Copper/Terne	5%			2061	**	10	\$900	
Modified Bitumen	85%			2033	\$64,400	10	\$6,000	
Skylight, Metal/Glass	5%	4+	\$1,900	2053	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Does Not Close Properly</i>								
Interior								
Floors								
Cast in Place Concrete	60%	Now	\$143,500	LIFE	**	5	\$12,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%			2042	**	5	\$500	
Quarry Tile	5%			2046	**	5	\$700	
Vinyl Tile	30%	Now	\$46,600	2038	**	3	\$1,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout Locker Room And Bunk Room</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 243/LADDER CO. 168
Asset # : 13134

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	5%			2042	**	5	\$800	
Masonry: Brick	10%	Now	\$89,700	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Metal Panel	2%			LIFE	**	10	\$100	
Plaster	56%	Now	\$4,300	LIFE	**	5	\$2,700	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Weight Room, Office On 2nd Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Weight Room</i>								
SGFT/Glazed Masonry	25%			LIFE	**	10	\$2,000	
Wood	2%			LIFE	**	5	\$2,600	
Ceilings								
AcousTileSusp.Lay-In	5%			2046	**	5	\$500	
AcousTileSusp.Lay-In	30%			2046	**	5	\$2,800	
Embossed Metal	30%	Now	\$16,700	LIFE	**	5	\$1,300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Concrete	20%	Now	\$13,800	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Exposed Struc: Steel	5%	Now	\$22,200	LIFE	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Underside Of Stairs</i>								
Gypsum Board	10%			LIFE	**	5-10	\$3,200	
Site Enclosure								
Fence/Gates								
Chain Link	80%	Now	\$53,600	2063	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Iron Picket	20%			2068	**			
Free Standing Walls								
Cast in Place Concrete	100%			2068	**			
Site Pavements								

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FIRE DEPARTMENT - 057
ENGINE CO. 243/LADDER CO. 168
Asset # : 13134

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046		**		
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$25,700	2053		**		
			<i>Cracking/Crumbling, Extent : Severe, Area Affected : 70%</i>					
			<i>Location : Side Yard</i>					
			<i>Tripping Hazard, Extent : Severe, Area Affected : 60%</i>					
			<i>Location : Near Gate</i>					
Parking/Driveway								
Cast in Place Concrete	100%	Now	\$7,200	2046		**		
			<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : Throughout</i>					
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2043		**	5	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : One 200 Ampere Main Disconnect Switch</i>					
Raceway								
Conduit	100%			2043		**	1	
Panelboards								
Fused Disc Sw	5%			2041		**	5	
Molded Case Bkrs	95%			2041		**	5	\$100
Wiring								
Thermoplastic	100%			2043		**	1	
Motor Controllers								
Locally Mounted	100%			2038		**	5	
Ground								
Grounding Devices								
Generic	100%			LIFE		**	5	\$200
Stand-by Power								
Transfer Switches								
Automatic	100%			2046		**	1	\$1,800
Generators								
Diesel	100%			2042		**	1	\$2,200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside Rear Yard</i>					
			<i>Explanation : One 60 Kilowatts</i>					
Batteries								
Lead/Acid	100%			2027	\$2,400		5	\$200

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 243/LADDER CO. 168
Asset # : 13134

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Fuel Storage								
Main Tank	50%			2061	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside Rear Yard</i>						
		<i>Explanation : 60 Gallons</i>						
Main Tank	50%			2048	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 550 Gallons</i>						
Lighting								
Interior Lighting								
Fluorescent	25%			2033	\$12,200	10	\$1,300	
		<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
Fluorescent	75%			2033	\$36,500	10	\$4,000	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : First And Second Floor</i>						
Exterior Lighting								
HID	10%			2033	\$2,600	10		
HID	10%	Now	\$2,600	2043	**			
		<i>Malfunctioning, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Front Of The Building</i>						
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2046	**	1	\$2,800	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 Natural Gasoline Fired Sectional Hot Water Boilers</i>						
Distribution								
Hot Wtr Piping/Pump	100%			2041	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%			2038	**	1	\$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2041	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 243/LADDER CO. 168
Asset # : 13134

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Split Unit	25%	0-2	\$6,700	2038		**		
<i>Leak Evident, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Split Unit At Locker Room Leaking</i>								
Window/Wall Unit	50%	0-2	\$500	2028	\$10,600	1		
<i>Malfunctioning, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen Window, Wall Unit Is Not Working</i>								
No Component	25%							
Ventilation								
Exhaust Fans								
Roof	60%			2033	\$6,500	2		\$100
Wall Unit	40%	0-2	\$2,000	2033	\$4,000	2		\$100
<i>Malfunctioning, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Kitchen Exhaust Is Not Working</i>								
Plumbing								
H/C Water Piping								
Galvanized Steel	100%	0-2	\$7,200	2038		**		1
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Corroded Water Main</i>								
<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Leaking Cold, Hot Water Piping</i>								
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Incoming Water Service</i>								
<i>Explanation : Obsolete Material. Water Service From Street</i>								
Water Heater With Tanks								
Gas Fired	100%			2031	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 74 Gallon Unit</i>								
Sanitary Piping								
Cast Iron	100%	Now	\$3,500	LIFE		**		1
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Second Floor Water Closet</i>								
Storm Drain Piping								
Cast Iron	100%	Now	\$1,000	LIFE		**		1
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor Drains</i>								
Backflow Preventer								
No Component	98%							
Generic	2%			2038		**		1
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								
Fixtures								
Generic	100%							
Fire Suppression								

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FIRE DEPARTMENT - 057
ENGINE CO. 243/LADDER CO. 168
Asset # : 13134

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Chemical System							
	Wet	100%			2031	\$83,700	1-3	\$87,500
		<i>Other Observation, Extent : Light, Area Affected : 5%</i> <i>Location : Kitchen, Covers 21 Square Feet</i> <i>Explanation : Kitchen Fire Suppression</i>						

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*** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 245/LADDER CO. 161 / BATTALION 43/ 60TH PRECINCT
Address : 2929 WEST 8th STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.245 / 13135 **Yr Built/Renovated** : 1971 / 2001
Area Sq Ft : 8,650 **Project Type** : FIRE DEPARTMENT
Date of Survey : 13-Jul-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 7279 **Lot** : 290 **BIN** : 3196591

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$311,200	\$339,300
Interior Architecture	\$52,400	\$52,400
Mechanical		\$439,900
Site Enclosure	\$62,600	
Total	\$426,300	\$831,600
Importance Code A	\$311,200	\$339,300
Importance Code B	\$52,400	\$492,300
Importance Code C	\$62,600	
Total	\$426,300	\$831,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$45,500		\$3,900	
Interior Architecture	\$75,800		\$300	\$12,100
Electrical	\$900	\$600	\$700	\$700
Mechanical	\$64,000	\$22,300	\$22,800	\$48,100
Total	\$186,200	\$23,000	\$27,600	\$60,900
Importance Code A	\$45,500		\$3,900	
Importance Code B	\$97,100	\$23,000	\$23,700	\$56,400
Importance Code C	\$43,600			\$4,400
Total	\$186,200	\$23,000	\$27,600	\$60,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 245/LADDER CO. 161 / BATTALION 43/ 60TH PRECINCT
Asset # : 13135

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	10%			2053	**	10	\$1,600	
Masonry: Brick	65%	Now	\$130,200	LIFE	**	5	\$32,400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Efflorescence, Extent : Light, Area Affected : 20%</i>								
<i>Location : Rear Elevation</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
Metal Panel	5%	Now	\$3,200	2053	**	5	\$4,700	
<i>Deformed/Dented, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Elevation</i>								
<i>Deteriorated Finish, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Elevation</i>								
Metal Sect. OHD	5%			2046	**	5	\$7,800	
Pre-Cast Concrete	15%	Now	\$26,500	LIFE	**	5	\$24,300	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%			2049	**	5	\$6,100	
Parapets								
Masonry: Brick	80%	Now	\$181,000	LIFE	**	5	\$3,700	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 45%</i>								
<i>Location : Throughout</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 55%</i>								
<i>Location : Throughout</i>								
Metal Panel	10%			2043	**	5	\$1,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Metal Coping At Parapet</i>								
Metal Rail	10%	Now	\$6,000	2038	**	5	\$3,200	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : West Elevation</i>								
Roof								
Asphalt Shingle	15%			2042	**	10	\$1,000	
Modified Bitumen	83%	4+	\$6,800	2033	\$339,300			
<i>Blisters, Extent : Light, Area Affected : 5%</i>								
<i>Location : Main Roof</i>								
Skylight, Metal/Glass	2%			2053	**	10	\$2,600	
Soffits								
Pre-Cast Concrete	100%			LIFE	**	5		

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 245/LADDER CO. 161 / BATTALION 43/ 60TH PRECINCT
Asset # : 13135

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	55%			LIFE	**	5	\$104,900	
Ceramic Tile	35%			2042	**	5	\$15,300	
Terrazzo	5%			LIFE	**	5	\$3,400	
Vinyl Tile	5%			2038	**	3	\$800	
Interior Walls								
Ceramic Tile	15%			2042	**	5	\$8,900	
Gypsum Board	5%			LIFE	**	5-10	\$5,000	
Plaster	35%			LIFE	**	5-10	\$17,600	
SGFT/Glazed Masonry	7%	Now	\$7,300	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Stair Landing To Roof</i>								
SGFT/Glazed Masonry	33%			LIFE	**	10	\$9,800	
Wood	5%			LIFE	**	5	\$23,700	
Ceilings								
AcousTileSusp.Lay-In	50%	Now	\$7,000	2053	**	5	\$10,800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 3%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Concrete	20%			LIFE	**	5-10	\$10,800	
Plaster	30%			LIFE	**	5-10	\$22,200	
Site Enclosure								
Fence/Gates								
Wood	100%			2027			\$62,600	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	**			
On-Site Walkways								
Cast in Place Concrete	100%			2046	**			
Parking/Driveway								
Cast in Place Concrete	100%			2046	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2053	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 400 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2053	**	5	\$200	

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FIRE DEPARTMENT - 057
ENGINE CO. 245/LADDER CO. 161 / BATTALION 43/ 60TH PRECINCT
Asset # : 13135

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Raceway								
Conduit	30%			2033	\$10,800	1		
Conduit	70%			2053	**	1		
Panelboards								
Molded Case Bkrs	30%			2032	\$14,500	5	\$100	
Molded Case Bkrs	70%			2049	**	5	\$200	
Wiring								
Thermoplastic	70%			2053	**	1		
Thermoplastic	30%			2033	\$9,800	1		
Motor Controllers								
Locally Mounted	100%			2031	\$17,800	5	\$100	
Ground								
Grounding Devices								
Not Accessible	100%							
Stand-by Power								
Transfer Switches								
Automatic	100%			2050	**	1	\$2,700	
Generators								
Natural Gas	100%			2046	**	1	\$3,400	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Emergency Generator Rated At 60 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2028	\$2,400	5	\$300	
Lighting								
Interior Lighting								
Fluorescent	50%			2033	\$36,700	10	\$4,000	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : T-8 Lamps</i>								
LED	50%			2041	**			
Egress Lighting								
Exit, Service	100%			2041	**	1		
Exterior Lighting								
LED	30%			2041	**			
No Component	70%							
Alarm								
Security System								
No Component	90%							
Generic	10%			2033	\$1,600	1	\$300	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Front Only</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 245/LADDER CO. 161 / BATTALION 43/ 60TH PRECINCT
Asset # : 13135

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 60th Precinct</i>								
<i>Explanation : Service From Adjacent Building</i>								
<hr/>								
Conversion Equipment								
Not Accessible	100%							
<i>Other Observation, Extent : N/A, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Heating Source Is Supplied From Adjacent 60th Precinct</i>								
<hr/>								
Distribution								
Hot Wtr Piping/Pump	100%	0-2	\$400	2041	**	4	\$400	
<i>Not in Service, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : The Thermostat In 2nd Floor</i>								
<hr/>								
Terminal Devices								
Convactor/Radiator	75%			2031	\$51,800	1	\$2,100	
Unit Heater - Hot Water	25%			2028	\$12,500			
<hr/>								
Air Conditioning								
Energy Source								
Electricity	100%			2041	**	1		
<hr/>								
Conversion Equipment								
Exterior Pkg Unit - Cooling	30%			2038	**	2	\$200	
Window/Wall Unit	50%	0-2	\$8,000	2031	\$16,000	1		
<i>On Extended Life, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : And Inefficient, Various Locations</i>								
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								
<i>Explanation : Window Units Compensate For Ineffective Cooling Provided From Adjacent 60th Precinct</i>								
<hr/>								
No Component	20%							
<hr/>								
Ventilation								
Distribution								
Ductwork/Diffusers	75%			LIFE	**	2-5	\$5,700	
No Component	25%							
<hr/>								
Exhaust Fans								
Roof	75%			2038	**	2	\$200	
Wall Unit	25%			2028	\$900	2	\$100	
<hr/>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2043	**	1		
<hr/>								
Water Heater With Tanks								
Electric	100%			2031	\$69,300	4		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units. There Are 2 Brand New Units Sit On 2nd Floor For Long Time Without Connecting To Energy Source.</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 245/LADDER CO. 161 / BATTALION 43/ 60TH PRECINCT
Asset # : 13135

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Sanitary Piping Cast Iron	100%	0-2	\$5,300	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : The Rear Of Apparatus Floor</i>								
<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : To Apparatus Floor From 2nd Floor Main Bathroom.</i>								
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Non-Submersible	100%			2033	\$1,700	4	\$300	
Fixtures Generic	100%							
Fire Suppression								
Sprinkler No Component Generic	90%			2033	\$11,700	1-2	\$200	
Chemical System Generic	100%			2028	\$318,800	1-3	\$323,600	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Covers 80 Square Feet In Kitchen And Cooking Area In Back Of The Building</i>								
<i>Explanation : 2 Sets</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 246/LADDER CO. 169
Address : 2732 EAST 11th STREET @ BLAKE CT.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.246 / 13136 **Yr Built/Renovated** : 1960 / 2004
Area Sq Ft : 7,476 **Project Type** : FIRE DEPARTMENT
Date of Survey : 01-Dec-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 8761 **Lot** : 38 **BIN** : 3246894

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture	\$152,000	
Electrical		\$126,900
Mechanical	\$119,500	
Total	\$271,500	\$126,900
Importance Code B	\$271,500	\$126,900
Total	\$271,500	\$126,900

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$40,900	\$4,800		
Interior Architecture	\$95,600		\$200	\$1,000
Electrical	\$16,500	\$300	\$300	\$300
Mechanical	\$31,100	\$8,900	\$9,200	\$18,600
Site Enclosure	\$6,500			
Site Pavements	\$3,900			
Total	\$194,500	\$14,000	\$9,700	\$19,900
Importance Code A	\$41,200	\$5,200	\$400	\$400
Importance Code B	\$103,900	\$8,800	\$9,300	\$19,100
Importance Code C	\$49,400			\$400
Total	\$194,500	\$14,000	\$9,700	\$19,900



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 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 246/LADDER CO. 169
Asset # : 13136

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%	Now	\$400	2043	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Racquetball Court On Roof</i>								
Masonry: Brick	70%			LIFE	**	5	\$28,900	
Masonry: Granite	5%	2-4	\$1,600	LIFE	**	5	\$800	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
Masonry: Limestone	5%			LIFE	**	5	\$1,500	
Metal Sect. OHD	15%			2050	**	5	\$9,700	
Windows								
Aluminum	100%	Now	\$7,300	2041	**	5	\$1,600	
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Watch Room</i>								
Parapets								
Masonry: Brick	85%			LIFE	**	5-10	\$14,500	
Masonry: Limestone	15%			LIFE	**	5-10	\$4,600	
Roof								
Modified Bitumen	95%			2038	**	10	\$10,200	
Skylight, Plastic	5%			2046	**	1		
Interior								
Floors								
Cast in Place Concrete	45%	0-2	\$42,800	LIFE	**	5	\$11,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	8%			2048	**	5	\$900	
Quarry Tile	5%	Now	\$800	2046	**	5	\$400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor Lounge</i>								
Vinyl Tile	30%	Now	\$92,700	2043	**	3	\$1,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Vinyl Tile 9" X 9"	10%	Now	\$59,200	2043	**	3	\$400	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Exercise Room</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Exercise Room</i>								
Wood	2%			2061	**	5	\$400	

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 246/LADDER CO. 169
Asset # : 13136

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	25%	4+	\$29,200	LIFE		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement, Oil Tank Room, Boiler Room, Stairwell</i>								
Ceramic Tile	5%			2042		**	\$800	
Concrete Masonry Unit	2%	Now	\$600	LIFE		**	\$100	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement By Chimney</i>								
Gypsum Board	20%	0-2	\$4,300	LIFE		**	\$1,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	10%			LIFE		**	\$500	
Plaster	20%			LIFE		**	\$2,700	
Plywood/Hardboard	8%	Now	\$1,800	LIFE		**		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Racquetball Court</i>								
SGFT/Glazed Masonry	10%			LIFE		**	\$800	
Ceilings								
AcousTileConcealSpLn	50%	Now	\$4,500	2046		**	\$3,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
Plaster	50%	Now	\$8,500	LIFE		**	\$3,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bunkroom</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$6,500	2043		**		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Gate Broken</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Driveway</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046		**		
On-Site Walkways								
Cast in Place Concrete	100%			2046		**		
Parking/Driveway								
Asphalt	100%	Now	\$3,900	2042		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Driveway</i>								
<i>Sinking/Subsiding, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Driveway</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 246/LADDER CO. 169
Asset # : 13136

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment Fused Disc Sw	100%			2033	\$14,700	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 400 Amperes.</i>								
Switchgear / Switchboard Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
Raceway Conduit	100%			2033	\$36,000	1		
Panelboards Molded Case Bkrs	50%			2041	**	5	\$100	
Molded Case Bkrs	50%			2032	\$24,200	5	\$100	
Wiring Braided Cloth	50%	2-4	\$16,300	2058	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	50%			2043	**	1		
Ground								
Grounding Devices Not Accessible	100%							
Lighting								
Interior Lighting Fluorescent	98%			2033	\$62,100	10	\$6,700	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	2%			2033	\$1,300	10	\$100	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Lounge Area</i>								
<i>Explanation : Compact Fluorescent Lights</i>								
Exterior Lighting HID	20%			2033	\$6,800	10		
No Component	80%							
Alarm								
Security System Generic	100%			2033	\$13,700	1	\$2,800	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Front Of The Building</i>								
<i>Explanation : CCTV Surveillance Camera</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	100%			2059	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 246/LADDER CO. 169
Asset # : 13136

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment Hot Water Boiler	100%			2050	**	1	\$3,700	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Boiler</i>								
Distribution Hot Wtr Piping/Pump	100%	0-2	\$800	2041	**	4	\$400	
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement And Various Locations</i>								
Terminal Devices Convactor/Radiator	70%			2031	\$41,800	1	\$1,700	
Fan Coil Unit/Heat	30%			2038	**	1	\$700	
Air Conditioning								
Energy Source Electricity	100%			2049	**	1		
Conversion Equipment Window/Wall Unit	25%			2028	\$6,900	1		
Window/Wall Unit	25%	0-2	\$6,900	2033	\$6,900	1		
<i>Not Energy Efficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								
No Component	50%							
Ventilation								
Distribution Ductwork/Diffusers	10%			LIFE	**	2-5	\$700	
No Component	90%							
Exhaust Fans Roof	10%			2038	**	2		
Wall Unit	25%	0-2	\$800	2043	**	2		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : 1 Unit. On Extended Life Time</i>								
No Component	65%							
Plumbing								
H/C Water Piping Brass/Copper	100%			2043	**	1		
Water Heater With Tanks Gas Fired	100%			2033	\$33,400	2		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping Cast Iron	10%	0-2	\$3,700	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Apparatus Floor And Drive Way.</i>								
Cast Iron	90%			LIFE	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 246/LADDER CO. 169
Asset # : 13136

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2026	\$200	4	\$200
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Generic	100%			2026	\$119,500	1-3	\$121,300
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Covers 30 Square Feet In Kitchen.</i>					
			<i>Explanation : 1 Set</i>					

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 247
Address : 1336 60th STREET BTWN 13TH AVE - 14TH AVE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.247 / 13137 **Yr Built/Renovated** : 1897 /
Area Sq Ft : 5,356 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Jan-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5719 **Lot** : 22 **BIN** : 3141309

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$211,700	
Interior Architecture	\$132,900	
Electrical		\$63,500
Mechanical		\$66,800
Total	\$344,600	\$130,300
Importance Code A	\$211,700	
Importance Code B		\$130,300
Importance Code C	\$132,900	
Total	\$344,600	\$130,300

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$37,800		\$3,800	
Interior Architecture	\$63,300		\$300	
Electrical	\$10,200			\$100
Mechanical	\$14,400	\$600	\$400	\$400
Site Enclosure	\$8,600			
Site Pavements	\$5,100			
Total	\$139,500	\$600	\$4,500	\$500
Importance Code A	\$38,100	\$300	\$4,000	\$300
Importance Code B	\$77,000	\$300	\$500	\$200
Importance Code C	\$24,300			
Total	\$139,500	\$600	\$4,500	\$500



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FIRE DEPARTMENT - 057
ENGINE CO. 247
Asset # : 13137

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%	Now	\$3,700	LIFE	**	5	\$5,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : North Facade</i>								
Copper/Terne	2%			2053	**	10	\$700	
Masonry: Brick	83%	Now	\$146,500	LIFE	**	5	\$12,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	10%			2046	**	5	\$7,600	
Windows								
Aluminum	100%	Now	\$8,600	2041	**	5	\$500	
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	5%	Now	\$800	LIFE	**	5	\$400	
<i>Open Joints, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	95%			LIFE	**	5-10	\$6,100	
Roof								
Asphalt Shingle	10%	Now	\$4,300	2048	**			1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Built-Up (BUR)	70%	0-2	\$65,200	2043	**			
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Modified Bitumen	15%	2-4	\$3,900	2033	\$13,100			2
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	5%	0-2	\$11,200	2043	**			
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bunk Room</i>								
Interior								
Floors								
Cast in Place Concrete	40%	4+	\$4,900	LIFE	**	5	\$6,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%			2048	**	5	\$400	
Quarry Tile	5%			2046	**	5	\$600	
Wood	50%	4+	\$21,600	2048	**	5	\$3,500	
<i>Deteriorated Finish, Extent : Light, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 247
Asset # : 13137

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Gypsum Board	10%			LIFE	**	5-10	\$1,700	
Masonry: Brick	35%	Now	\$132,900	LIFE	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement Electric Panel</i>								
Metal Panel	10%	0-2	\$2,600	LIFE	**			
<i>Deformed/Dented, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	40%	Now	\$4,900	LIFE	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Wood	5%			LIFE	**	5	\$4,100	
Ceilings								
AcousTileSusp.Lay-In	5%			2038	**	5	\$400	
Embossed Metal	50%	4+	\$19,100	LIFE	**	5	\$1,700	
<i>Deteriorated Finish, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Concrete	15%			LIFE	**	5-10	\$1,400	
Gypsum Board	5%	Now	\$300	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Toilet</i>								
Plaster	25%	0-2	\$5,500	LIFE	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain Link	50%	2-4	\$8,600	2043	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Iron Picket	50%			2068	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	**			
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$5,100	2046	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Rear Yard And Walkway Along Side Of Building</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2046	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 247
Asset # : 13137

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2033	\$14,700	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2033	\$63,500	5		
Raceway								
Conduit	100%			2033	\$36,000	1		
Panelboards								
Molded Case Bkrs	80%			2032	\$38,800	5	\$100	
Molded Case Bkrs	20%			2041	**	5		
Wiring								
Thermoplastic	20%			2043	**	1		
Thermoplastic	80%			2033	\$26,000	1		
Ground								
Grounding Devices								
Generic	100%	0-2	\$10,200	LIFE	**	5	\$100	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Lighting								
Interior Lighting								
Fluorescent	20%			2033	\$9,100	10	\$1,000	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : T- 8 Lamps</i>								
LED	80%			2041	**			
Exterior Lighting								
HID	30%			2028	\$7,300	10		
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2038	**	1	\$2,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2041	**	4	\$400	
Terminal Devices								
Convactor/Radiator	100%			2038	**	1	\$1,700	

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 247
Asset # : 13137

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Energy Source								
	Electricity	100%			2049	**	1	
Conversion Equipment								
	Split Unit	10%			2033	\$12,400		
	Window/Wall Unit	70%	Now	\$2,800	2031	\$13,900	1	
<i>Broken, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Bunker Room. Kitchen</i>								
	No Component	20%						
Ventilation								
Exhaust Fans								
	Interior	20%	Now	\$4,600	2043	**	2	
<i>Abandoned in Place, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen Exhaust Fan</i>								
	No Component	80%						
<i>Other Observation, Extent : N/A, Area Affected : 0%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Kitchen Exhaust And Fire Suppression</i>								
Plumbing								
H/C Water Piping								
	Galvanized Steel	100%			2031	\$66,800	1	
Water Heater With Tanks								
	Gas Fired	100%			2028	\$33,400	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 74 Gallon Units</i>								
Sanitary Piping								
	Cast Iron	100%	Now	\$6,600	LIFE	**	1	
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Engine Bay Drains</i>								
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Fixtures								
	Generic	100%						
<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Bathrooms And Kitchen</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 248 (COMBINED FACILITY) 67TH PCT
Address : 2900 SNYDER AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.248 / 13138 **Yr Built/Renovated** : 1972 /
Area Sq Ft : 7,484 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-Nov-2021 **Landmark Status** : NONE
Areas Surveyed : Floors 1,2
Block : 5111 **Lot** : 24 **BIN** : 3117400

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$65,200	\$65,200
Mechanical		\$119,500
Total	\$65,200	\$184,800
Importance Code A	\$65,200	\$65,200
Importance Code B		\$119,500
Total	\$65,200	\$184,800

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$23,900	\$300		
Interior Architecture	\$31,400			\$500
Electrical	\$7,100			
Mechanical	\$12,200	\$8,600	\$29,400	\$8,700
Site Pavements	\$20,500			
Total	\$95,200	\$9,000	\$29,400	\$9,200
Importance Code A	\$23,900	\$300		
Importance Code B	\$46,400	\$8,600	\$29,400	\$8,700
Importance Code C	\$24,900			\$400
Total	\$95,200	\$9,000	\$29,400	\$9,200



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FIRE DEPARTMENT - 057
ENGINE CO. 248 (COMBINED FACILITY) 67TH PCT
Asset # : 13138

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	2%			LIFE	**	5	\$5,400	
Masonry: Brick	17%	4+	\$7,300	LIFE	**	5	\$4,600	
<i>Vegetation Growth, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Rear Wall</i>								
Metal Sect. OHD	6%	0-2	\$11,400	2046	**	5	\$2,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Of Building</i>								
<i>Explanation : Overhead Door Is Fiberglass. Hardware, Springs, Chains And Locks Breakdown Frequently</i>								
Pre-Cast Concrete	75%			LIFE	**	5	\$130,500	
Windows								
Aluminum	100%			2055	**	5	\$700	
Parapets								
Cast in Place Concrete	25%	4+	\$800	LIFE	**	5	\$4,500	
<i>Vegetation Growth, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Rear Parapet</i>								
No Component	75%							
<i>Other Observation, Extent : N/A, Area Affected : 0%</i>								
<i>Location : Upper Roof</i>								
<i>Explanation : 3rd Floor Is Police Precinct Not Fire Department</i>								
Roof								
Built-Up (BUR)	25%	Now	\$1,800	2038	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Roof Into 1st Floor Bunk Room</i>								
No Component	75%							
<i>Other Observation, Extent : N/A, Area Affected : 0%</i>								
<i>Location : Upper Roof</i>								
<i>Explanation : 3rd Floor Is Police Precinct Not Fire Department</i>								
Soffits								
Cast in Place Concrete	100%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	35%	2-4	\$7,300	LIFE	**	5	\$9,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
Panel/Paver: Cer/Brk	50%			2049	**	5	\$14,100	
Terrazzo	10%			LIFE	**	5	\$2,000	
Vinyl Tile	5%	Now	\$3,400	2038	**	3	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 1st Floor Watch Room</i>								
Interior Walls								
Ceramic Tile	10%			2042	**	5	\$900	
Gypsum Board	5%			LIFE	**	5-10	\$700	
Plaster	45%			LIFE	**	5-10	\$3,300	
SGFT/Glazed Masonry	40%			LIFE	**	10	\$1,700	

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FIRE DEPARTMENT - 057
ENGINE CO. 248 (COMBINED FACILITY) 67TH PCT
Asset # : 13138

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileConcealSpLn	55%	2-4	\$2,200	2050	**	5	\$4,300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Concrete	40%			LIFE	**	5-10	\$6,300	
Metal Panel	5%			LIFE	**	5	\$1,600	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2053	**			
Free Standing Walls								
Masonry: Brick	100%			2053	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	**			
On-Site Walkways								
Asphalt	100%	Now	\$1,400	2042	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parking/Driveway								
Asphalt	100%	Now	\$19,100	2036	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Driveway</i>								
<i>Sinking/Subsiding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Driveway</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2033	\$36,000	1		
Panelboards								
Molded Case Bkrs	100%			2049	**	5	\$200	
Wiring								
Thermoplastic	100%			2053	**	1		
Lighting								

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FIRE DEPARTMENT - 057
ENGINE CO. 248 (COMBINED FACILITY) 67TH PCT
Asset # : 13138

Electrical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Interior Lighting								
Fluorescent	20%			2038	**	10	\$1,400	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	10%	Now	\$6,300	2043	**			
<i>Malfunctioning, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
Fluorescent	5%			2028	\$3,200	10	\$300	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : T-12 Lamps</i>								
LED	65%			2041	**			
Egress Lighting								
Exit, LED	90%			2068	**	1		
Exit, Service	10%	Now	\$300	2043	**	1		
<i>Not Functioning, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
Exterior Lighting								
HID	30%			2028	\$10,200	10		
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Hot Wtr Piping/Pump	100%			2041	**	4	\$600	
Terminal Devices								
Convactor/Radiator	60%			2031	\$35,900	1	\$1,500	
Unit Heater - Hot Water	30%			2038	**			
No Component	10%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Locker Room</i>								
<i>Explanation : No Heating Device</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2041	**	1		
Conversion Equipment								
Split Unit	20%			2038	**			
Window/Wall Unit	40%			2026	\$11,100	1		
No Component	40%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : No Air Conditioning In Locker Room</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 248 (COMBINED FACILITY) 67TH PCT
Asset # : 13138

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Terminal Devices								
	Fan Coil - 2 Pipe	20%			2038	**	1	\$500
	No Component	80%						
Heat Rejection								
	Air Cooled Condenser Unit	20%			2038	**	2	\$1,000
	No Component	80%						
Ventilation								
Distribution								
	Ductwork/Diffusers	20%			LIFE	**	2-5	\$1,300
	No Component	80%						
				<i>Other Observation, Extent : Light, Area Affected : 0%</i>				
				<i>Location :</i>				
				<i>Explanation : No Air Ventilation In Locker Room</i>				
Exhaust Fans								
	Interior	20%			2038	**	2	
	Roof	30%			2033	\$4,300	2	\$100
	Wall Unit	10%			2028	\$300	2	
	No Component	40%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2043	**	1	
Water Heater With Tanks								
	Electric	100%			2032	\$23,100	4	
Sanitary Piping								
	Cast Iron	30%	Now	\$2,800	LIFE	**	1	
				<i>Blockage /Clogged, Extent : Severe, Area Affected : 20%</i>				
				<i>Location : Apparatus Floor</i>				
	Cast Iron	70%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Fixtures								
	Generic	100%						
				<i>Obsolete Fixtures, Extent : Severe, Area Affected : 30%</i>				
				<i>Location : The Equipment In Kitchen</i>				
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : 1st Floor</i>				
				<i>Explanation : The Kitchen Need To Be Upgrade</i>				
Fire Suppression								
Chemical System								
	Generic	2%	Now	\$500	2032	\$2,400	1-3	\$2,100
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Covers 30 Square Feet In Kitchen.</i>				
				<i>Explanation : 1 Old Set</i>				
	Generic	98%			2032	\$117,200	1-3	\$109,400

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 249/LADDER CO. 113
Address : 491 ROGERS AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.249 / 13139 **Yr Built/Renovated** : 1896 / 2007
Area Sq Ft : 4,800 **Project Type** : FIRE DEPARTMENT
Date of Survey : 01-Mar-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5033 **Lot** : 4 **BIN** : 3114990

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$78,500	
Interior Architecture	\$97,600	
Electrical		\$121,400
Mechanical	\$79,700	\$64,800
Total	\$255,900	\$186,200
Importance Code A	\$78,500	
Importance Code B	\$79,700	\$186,200
Importance Code C	\$97,600	
Total	\$255,900	\$186,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$25,400	\$1,800		
Interior Architecture	\$80,800			\$1,000
Electrical	\$600	\$300	\$300	\$400
Mechanical	\$23,700	\$6,000	\$6,200	\$15,500
Site Enclosure				
Total	\$130,500	\$8,000	\$6,500	\$16,900
Importance Code A	\$25,600	\$2,000	\$200	\$200
Importance Code B	\$103,100	\$6,000	\$6,300	\$16,400
Importance Code C	\$1,800			\$300
Total	\$130,500	\$8,000	\$6,500	\$16,900



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FIRE DEPARTMENT - 057
ENGINE CO. 249/LADDER CO. 113
Asset # : 13139

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	20%			LIFE	**	5	\$6,500	
<i>Efflorescence, Extent : Light, Area Affected : 20%</i>								
<i>Location : Rear Of Building</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Third Floor</i>								
<i>Explanation : A Third Floor Was Added In 1998</i>								
Masonry: Brick	60%	Now	\$78,500	LIFE	**	5	\$9,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : South Facade Near Rear Door And Throughout</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Parged Section Of South Facade</i>								
Masonry: Limestone	10%			LIFE	**	5	\$2,400	
Metal Sect. OHD	7%			2050	**	5	\$3,600	
Slate Panels	3%	Now	\$11,100	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Base Of Front Facade</i>								
Windows								
Aluminum	100%	Now	\$900	2049	**	5	\$200	
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Office And Bunk Room</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$1,800	
Masonry: Brick	80%	Now	\$6,200	LIFE	**	5	\$500	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Metal Panel	10%			2053	**	5	\$200	
Roof								
Asphalt Shingle	10%			2042	**	10	\$100	
Modified Bitumen	90%	4+	\$1,400	2038	**			
<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$13,900	
Ceramic Tile	10%			2042	**	5	\$700	
Quarry Tile	5%	2-4	\$25,300	2053	**	5	\$300	
<i>Worn/Eroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	40%	Now	\$38,000	2038	**	3	\$1,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd And 3rd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd And 3rd Floor</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 249/LADDER CO. 113
Asset # : 13139

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	10%			2042	**	5	\$500	
Concrete Masonry Unit	10%			LIFE	**	5	\$400	
Gypsum Board	45%	Now	\$600	LIFE	**	5	\$1,400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Locker</i>								
Masonry: Brick	20%	Now	\$97,600	LIFE	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Plaster	15%	Now	\$900	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Locker Room</i>								
Ceilings								
AcousTileSusp.Lay-In	10%			2038	**	5	\$700	
Embossed Metal	20%			LIFE	**	5	\$1,300	
Exposed Struc: Steel	20%			LIFE	**	10	\$2,800	
Plaster	50%	Now	\$5,200	LIFE	**	5	\$2,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Locker Room And Weight Room</i>								
Site Enclosure								
Fence/Gates								
Aluminum Rail	5%			2038	**	5-10	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof Level</i>								
<i>Explanation : Rail At Roof Level</i>								
Chain Link	45%			2053	**			
Iron Picket	5%			2068	**			
Wood	45%			2034	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2050	**			
On-Site Walkways								
Cast in Place Concrete	100%			2046	**			
Parking/Driveway								
Cast in Place Concrete	100%			2050	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

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FIRE DEPARTMENT - 057
ENGINE CO. 249/LADDER CO. 113
Asset # : 13139

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2033	\$14,700	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 600 Amperes Rating</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2033	\$63,500	5		
Raceway								
Conduit	80%			2033	\$28,800	1		
Conduit	20%			2053	**	1		
Panelboards								
Molded Case Bkrs	80%			2032	\$38,800	5	\$100	
Molded Case Bkrs	20%			2041	**	5		
Wiring								
Thermoplastic	80%			2043	**	1		
Thermoplastic	20%			2033	\$6,500	1		
Motor Controllers								
Locally Mounted	100%			2031	\$17,800	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Near Water Service.</i>								
<i>Explanation : Recently Installed Ground For Main Service.</i>								
Lighting								
Interior Lighting								
LED	100%			2033	\$57,900			
Egress Lighting								
Exit, LED	90%			2048	**	1		
Exit, Service	10%	Now	\$200	2043	**	1		
<i>Not Functioning, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : First Floor Exit Lights Are Not Operational.</i>								
Exterior Lighting								
LED	20%			2041	**			
No Component	80%							
Alarm								
Fire/Smoke Detection								
Generic, Digital	100%			2033	\$12,100	1-3	\$3,100	

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

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FIRE DEPARTMENT - 057
ENGINE CO. 249/LADDER CO. 113
Asset # : 13139

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Furnace	60%			2038	**	1	\$1,400	
		<i>Other Observation, Extent : N/A, Area Affected : 60%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 3 Rooftop Package Units</i>						
Hot Water Boiler	40%			2046	**	1	\$1,000	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Hot Wtr Piping/Pump	40%			2041	**	4	\$100	
No Component	60%							
Terminal Devices								
Convactor/Radiator	20%			2038	**	1	\$300	
Unit Heater - Hot Water	20%			2028	\$5,600			
No Component	60%							
Air Conditioning								
Energy Source								
Electricity	100%			2041	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	50%			2038	**	2	\$100	
		<i>R-410a Refrigerant, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 3 Rooftop Package Units, Roof</i>						
Window/Wall Unit	15%	0-2	\$1,300	2028	\$2,700	1		
		<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>						
		<i>Location : 2nd Floor Engine Office</i>						
		<i>Explanation : Wrong Size Unit</i>						
No Component	35%							
Ventilation								
Distribution								
Ductwork/Diffusers	60%			LIFE	**	2-5	\$2,500	
No Component	40%							
Exhaust Fans								
Roof	60%			2038	**	2	\$100	
Wall Unit	10%			2028	\$200	2		
No Component	30%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%	0-2	\$3,000	2043	**	1		
		<i>Corroded, Extent : Moderate, Area Affected : 5%</i>						
		<i>Location : Water Main Valve, Basement</i>						

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FIRE DEPARTMENT - 057
ENGINE CO. 249/LADDER CO. 113
Asset # : 13139

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater With Tanks Gas Fired	100%			2031	\$33,400	2	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
	Sanitary Piping Cast Iron	100%	Now	\$3,000	LIFE	**	1	
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Sump Pump(s) Submersible	100%			2026	\$100	4	\$200
	Fixtures Generic	100%						
Fire Suppression								
	Sprinkler Generic	100%			2033	\$64,800	1-2	\$1,400
	Chemical System Wet	100%			2026	\$79,700	1-3	\$92,900
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Covers 20 Square Feet</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 250
Address : 126 FOSTER AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.250 / 13140 **Yr Built/Renovated** : 1927 / 2012
Area Sq Ft : 4,930 **Project Type** : FIRE DEPARTMENT
Date of Survey : 13-Jan-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 6499 **Lot** : 11 **BIN** : 3170273

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$178,100	
Interior Architecture	\$742,800	\$64,500
Mechanical	\$79,700	\$466,600
Total	\$1,000,600	\$531,000
Importance Code A	\$178,100	
Importance Code B	\$822,500	\$531,000
Total	\$1,000,600	\$531,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$24,600		\$2,000	
Interior Architecture	\$40,100		\$600	\$500
Electrical	\$100		\$100	
Mechanical	\$20,100	\$6,100	\$6,200	\$12,600
Total	\$84,900	\$6,100	\$8,800	\$13,100
Importance Code A	\$25,100	\$500	\$2,500	\$500
Importance Code B	\$45,000	\$5,700	\$6,100	\$12,600
Importance Code C	\$14,700		\$300	
Total	\$84,900	\$6,100	\$8,800	\$13,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 250
Asset # : 13140

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	88%	Now	\$178,100	LIFE	**	5	\$22,100	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Facade</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East And West Facade</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Rear Wall Above 2nd Floor Windows</i>								
Masonry: Granite	2%			LIFE	**	5	\$800	
Masonry: Limestone	5%			LIFE	**	5	\$1,900	
Metal Sect. OHD	5%			2046	**	5	\$3,900	
Windows								
Aluminum	100%	Now	\$8,600	2049	**	5	\$900	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Kitchen And Dining Room</i>								
Parapets								
Masonry: Brick	87%	0-2	\$4,000	LIFE	**	5	\$1,600	
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	3%			LIFE	**	5-10	\$700	
<i>Caulking Deteriorated, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Facade Coping</i>								
Metal Panel	10%			2053	**	5	\$700	
Roof								
Modified Bitumen	98%	Now	\$7,900	2038	**			
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bunk Room And Front Office</i>								
Skylight, Metal/Glass	2%	Now	\$2,100	2043	**			
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Bathroom</i>								
Interior								
Floors								
Cast in Place Concrete	55%	Now	\$218,300	LIFE	**	5	\$9,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basment And Apparatus Floor</i>								
<i>Drains Inad/Misposn, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%			2042	**	5	\$400	
Quarry Tile	5%			2046	**	5	\$600	
Terrazzo	5%			LIFE	**	5	\$600	
Vinyl Tile	30%	Now	\$12,900	2033	\$64,500	3	\$900	
<i>Patching Evident, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 250
Asset # : 13140

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%			2036	**	5	\$500	
Gypsum Board	10%			LIFE	**	5-10	\$1,900	
Masonry: Brick	15%			LIFE	**	10	\$500	
Marble Panels	5%			LIFE	**	10	\$200	
Plaster	45%	Now	\$11,700	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations 2nd Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Front Office And Rear Bunk</i>								
SGFT/Glazed Masonry	20%			LIFE	**	10	\$1,100	
Ceilings								
AcousTileSusp.Lay-In	5%	4+	\$300	2038	**	5	\$200	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen And Dining Room</i>								
Exposed Struc: Concrete	45%	Now	\$524,500	LIFE	**	5	\$600	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Apparatus Floor Supported By Lolly Columns</i>								
Plaster	50%	Now	\$11,800	LIFE	**	5	\$2,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor, Roof Access</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Bunkroom</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2053	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	**			
On-Site Walkways								
Cast in Place Concrete	100%			2046	**			
Parking/Driveway								
Cast in Place Concrete	100%			2046	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2033	\$14,700	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>								
Raceway								
Conduit	100%			2033	\$36,000	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 250
Asset # : 13140

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Fused Disc Sw	10%			2032	\$4,800	5		
Molded Case Bkrs	90%			2041	**	5	\$100	
Wiring								
Thermoplastic	100%			2043	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	30%			2033	\$12,500	10	\$1,400	
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : T-8 Lamps</i>					
LED	70%			2038	**			
Exterior Lighting								
HID	20%			2033	\$4,500	10		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Steam Boiler	100%			2046	**	1	\$4,900	
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 Unit</i>					
Distribution								
Steam Piping/Pump	100%			2043	**			
Terminal Devices								
Convactor/Radiator	85%			2031	\$33,500	1	\$1,400	
Fan Coil Unit/Heat	15%			2028	\$17,900	1	\$200	
Air Conditioning								
Energy Source								
Electricity	100%			2041	**	1		
Conversion Equipment								
Window/Wall Unit	50%	0-2	\$3,600	2028	\$9,100	1		
			<i>On Extended Life, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Various Locations</i>					
No Component	50%							
Ventilation								

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FIRE DEPARTMENT - 057
ENGINE CO. 250
Asset # : 13140

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$400	
No Component	90%							
Exhaust Fans								
Roof	10%			2033	\$900	2		
Wall Unit	20%			2028	\$400	2		
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	50%	0-2	\$600	2043	**	1		
		<i>Not Insulated, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Basement</i>						
Brass/Copper	50%			2043	**	1		
Water Heater With Tanks								
Gas Fired	50%			2028	\$25,000	2		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 75 Gallon Unit</i>						
Solar	50%			2028	\$466,600	1		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 150 Gallon Unit</i>						
Sanitary Piping								
Cast Iron	100%	0-2	\$1,200	LIFE	**	1		
		<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Basement</i>						
Storm Drain Piping								
Cast Iron	10%	0-2	\$1,000	LIFE	**	1		
		<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : 1st Floor</i>						
Cast Iron	90%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%	0-2	\$800	2028	\$800	4	\$100	
		<i>On Extended Life, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2026	\$79,700	1-3	\$80,900	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : 1 Set Covers 20 Square Feet</i>						

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 251
Address : 254-20 UNION TURNPIKE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.251 / 13141 **Yr Built/Renovated** : 1952 / 2001
Area Sq Ft : 6,373 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Mar-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 8691 **Lot** : 13 **BIN** : 4177508

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$361,700	\$98,300
Interior Architecture	\$179,700	\$141,500
Mechanical		\$25,400
Total	\$541,400	\$265,300
Importance Code A	\$361,700	\$98,300
Importance Code B	\$104,700	\$167,000
Importance Code C	\$75,000	
Total	\$541,400	\$265,300

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$68,200		\$6,600	
Interior Architecture	\$54,000			\$900
Electrical	\$16,700	\$3,000	\$600	\$500
Mechanical	\$15,400	\$900	\$18,400	\$900
Site Enclosure	\$20,600			
Site Pavements	\$12,500			
Total	\$187,500	\$3,900	\$25,600	\$2,300
Importance Code A	\$68,900	\$600	\$7,200	\$600
Importance Code B	\$70,100	\$3,300	\$18,400	\$1,700
Importance Code C	\$48,500			
Total	\$187,500	\$3,900	\$25,600	\$2,300



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 251
Asset # : 13141

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%	Now	\$300,500	LIFE	**	5	\$18,700	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Rear Facade, Bulkhead</i>								
<i>Repointing Failure, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor, Above 2nd Floor Windows</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Bulkhead, Above Windows And Doors</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Weeps In Exterior Brick Masonry</i>								
Pre-Cast Concrete	3%	Now	\$14,000	LIFE	**	5	\$2,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Above Overhead Door And Above Windows</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Above Overhead Door</i>								
Wood Overhead Doors	12%			2036	**	5	\$13,200	
Windows								
Aluminum	100%	Now	\$4,000	2047	**	5	\$900	
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
Parapets								
Masonry: Brick	90%	Now	\$61,200	LIFE	**	5	\$2,500	1
<i>Horizontal Cracks, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Interior Face</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout Interior And Exterior Face Of Front Facade And Facade Along 255th Street</i>								
<i>Spalling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Interior Face</i>								
Pre-Cast Concrete	10%	Now	\$2,200	LIFE	**	5	\$1,700	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout At Coping Joints</i>								
Roof								
Modified Bitumen	95%	Now	\$39,300	2031	\$98,300			
<i>Alligatoring, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Upper And Lower Roof</i>								
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second Floor</i>								
Skylight, Metal/Glass	5%			2041	**	10	\$1,600	

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 251
Asset # : 13141

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Soffits								
Pre-Cast Concrete	100%	2-4	\$8,700	LIFE	**	5	\$800	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Above Overhead Door</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Above Overhead Door</i>								
Interior								
Floors								
Cast in Place Concrete	30%	4+	\$4,800	LIFE	**	5	\$6,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Apparatus Floor On Jacks</i>								
Ceramic Tile	5%	Now	\$2,600	2034	**	5	\$200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Mens Shower Missing Tiles On Second Floor</i>								
Panel/Paver: Cer/Brk Quarry Tile	2%			2047	**	5	\$400	
	3%	4+	\$1,000	2036	**	5	\$200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen And Dining Room</i>								
Vinyl Tile	55%	4+	\$7,100	2031	\$141,500	3	\$2,000	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor Corridor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor</i>								
Wood	5%			2059	**	5	\$900	

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 251
Asset # : 13141

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	10%	4+	\$10,600	LIFE		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Ceramic Tile	5%			2034	**	5	\$700	
Gypsum Board	10%			LIFE	**	5	\$900	
Plaster	15%	Now	\$10,200	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor At Front Office, Weight Room, Hose Tower, Stair Well And Apparatus Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor Dormitory And Locker East Wall At Windows And Hose Tower</i>								
SGFT/Glazed Masonry	60%	Now	\$75,000	LIFE	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 4%</i>								
<i>Location : Stairwell Midlanding Between 1st And 2nd Floor, Top Of Hose Tower And Apparatus Floor</i>								
<i>Diagonal Cracks, Extent : Severe, Area Affected : 2%</i>								
<i>Location : 2nd Floor Bathroom, Apparatus Floor And Stair From 2nd To 3rd Floor</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Ceilings								
Exposed Struc: Concrete	30%	Now	\$104,700	LIFE	**	5	\$400	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Under Apron</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement Ceiling</i>								
<i>Explanation : Apparatus Floor Supported On Jacks</i>								
Gypsum Board	10%			LIFE	**	5	\$1,200	
Plaster	60%	Now	\$17,000	LIFE	**	5	\$3,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Under Basement Stair, Apparatus Floor, Weight Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apparatus Floor, Along 255th Street, Weight Room, Bathroom</i>								
Site Enclosure								
Fence/Gates								
Chain Link	80%	4+	\$20,600	2061	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Rear Yard</i>								
Metal Panel	20%			LIFE	**			
Site Pavements								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 251
Asset # : 13141

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	0-2	\$3,800	2044		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Curb Cut</i>								
On-Site Walkways								
Asphalt	50%			2040		**		
Cast in Place Concrete	50%			2044		**		
Parking/Driveway								
Cast in Place Concrete	100%	Now	\$6,800	2036		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apron And Driveway</i>								
Activity Yard								
Cast in Place Concrete	100%	4+	\$1,900	2044		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Rear Yard</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2051		**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2051		**	5	\$200
Raceway								
Conduit	80%			2031	\$28,800		1	
Conduit	20%			2051		**	1	
Panelboards								
Molded Case Bkrs	50%			2030	\$24,200		5	\$100
Molded Case Bkrs	50%			2047		**	5	\$100
Wiring								
Braided Cloth	50%	2-4	\$16,300	2056		**	1	
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
Thermoplastic	50%			2051		**	1	
Ground								
Grounding Devices								
Generic	100%			LIFE		**	5	\$100
Stand-by Power								
Transfer Switches								
Automatic	100%			2044		**	1	\$2,000

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 251
Asset # : 13141

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power Generators Diesel	100%			2040	**	1	\$2,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : Emergency Generator Rated At 40 Kilowatts</i>								
Batteries Lead/Acid	100%			2025	\$2,400	5	\$200	
Fuel Storage Main Tank	100%			2059	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : 125 Gallons Rated Capacity</i>								
Lighting Interior Lighting Fluorescent	30%			2031	\$16,200	10	\$1,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : T-8 Lamps</i>								
LED	70%			2039	**			
Egress Lighting Emergency, Service	100%			2036	**	1		
Exterior Lighting Fluorescent	5%			2031	\$1,200	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Of The Building</i>								
<i>Explanation : Compact Fluorescent Lights</i>								
LED	15%			2036	**			
No Component	80%							
Alarm Security System No Component Generic	80%			2031	\$2,300	1	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Perimeter Of The Building</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating Energy Source Natural Gas	100%			2051	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 251
Asset # : 13141

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Conversion Equipment Steam Boiler	100%			2044	**	1	\$6,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
<hr/>								
Distribution Steam Piping/Pump	100%	0-2	\$1,000	2041	**			
<i>Corroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement And 1st Floor</i>								
<hr/>								
Terminal Devices Convactor/Radiator	50%			2029	\$25,400	1	\$1,000	
Convactor/Radiator	50%			2044	**	1	\$1,000	
<hr/>								
Air Conditioning								
Energy Source Electricity	100%			2039	**	1		
<hr/>								
Conversion Equipment Window/Wall Unit	50%			2024	\$11,800	1		
No Component	50%							
<hr/>								
Ventilation								
Exhaust Fans Interior	5%	0-2	\$300	2031	\$1,400	2		
<i>Not in Service, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor Bathroom</i>								
Wall Unit	30%			2031	\$800	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Kitchen Hood Fan And Apparatus Floor</i>								
No Component	65%							
<hr/>								
Plumbing								
H/C Water Piping Brass/Copper	100%			2041	**	1		
<hr/>								
Water Heater With Tanks Gas Fired	100%			2026	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 74 Gallon</i>								
<hr/>								
Sanitary Piping Cast Iron	30%	0-2	\$1,200	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : By House Trap When It Rains</i>								
Cast Iron	70%			LIFE	**	1		
<hr/>								
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
<hr/>								
Sump Pump(s) Submersible	100%			2024	\$200	4	\$200	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 251
Asset # : 13141

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
Fixtures									
	Generic	100%							
Fire Suppression									
Chemical System									
	No Component	99%							
	Generic	1%			2026	\$800	1-3	\$700	

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 253
Address : 2429 86th STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.253 / 13143 **Yr Built/Renovated** : 1895 / 2006
Area Sq Ft : 5,776 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-Nov-2021 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Floors 1,2,Att
Block : 6859 **Lot** : 65 **BIN** : 3185380

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$124,200	
Mechanical		\$65,600
Total	\$124,200	\$65,600
Importance Code A	\$124,200	
Importance Code B		\$65,600
Total	\$124,200	\$65,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$25,600	\$4,200		
Interior Architecture	\$74,500	\$200	\$200	\$400
Electrical	\$600	\$400	\$400	\$400
Mechanical	\$12,100	\$4,900	\$4,900	\$12,000
Site Pavements	\$8,800			
Total	\$121,600	\$9,700	\$5,500	\$12,900
Importance Code A	\$26,200	\$4,800	\$600	\$600
Importance Code B	\$74,900	\$4,900	\$4,700	\$12,300
Importance Code C	\$20,500		\$200	
Total	\$121,600	\$9,700	\$5,500	\$12,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 253
Asset # : 13143

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Exposed Struc: Steel	2%			LIFE	**	5	\$2,300	
Masonry: Brick	78%	Now	\$124,200	LIFE	**	5	\$14,100	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Above Apparatus Door</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>								
<i>Location : North And East Elevations</i>								
Masonry: Brownstone	5%	Now	\$14,600	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Above Apparatus Door</i>								
Metal Coiling Doors	15%			2050	**	5	\$8,500	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Front Elevation</i>								
<i>Explanation : New Fiberglass Overhead Door</i>								
Windows								
Wood	100%			2049	**	5	\$9,900	
Parapets								
Cast Stone/Terra Cotta	40%			LIFE	**	5-10	\$6,800	
Metal Panel	60%			2053	**	5	\$1,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Lower Roof</i>								
<i>Explanation : Stainless Steel Flashing At Lower Roof</i>								
Roof								
Asphalt Shingle	65%			2042	**	10	\$1,200	
Copper/Terne	20%			2068	**	10	\$5,400	
<i>Other Observation, Extent : N/A, Area Affected : 20%</i>								
<i>Location : Front Elevation</i>								
<i>Explanation : Decorative Copper Roof That Resembles Tile Roofing</i>								
Modified Bitumen	15%			2038	**	10	\$1,600	
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$21,600	
Ceramic Tile	10%			2042	**	5	\$800	
Wood	30%			2068	**	5	\$4,600	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**	10	\$2,400	
Ceramic Tile	5%			2046	**	5	\$500	
Concrete Masonry Unit	15%			LIFE	**	5	\$1,100	
Gypsum Board	10%			LIFE	**	5-10	\$1,600	
Masonry: Brick	10%			LIFE	**	10	\$300	
Plaster	35%			LIFE	**	5-10	\$2,800	
Wood	15%			LIFE	**	5	\$11,400	

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 253
Asset # : 13143

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	5%			2050	**	5	\$400	
Embossed Metal	30%	Now	\$7,000	LIFE	**	5	\$1,100	
<i>Deformed/Dented, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Concrete	30%	Now	\$39,600	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Gypsum Board	10%	Now	\$3,100	LIFE	**	5	\$1,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
Metal Panel	5%			LIFE	**	5	\$1,000	
Plaster	20%			LIFE	**	5-10	\$2,800	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2043	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	**			
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$8,800	2046	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 25%</i>								
<i>Location : Side Yards</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2050	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2063	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								
Raceway								
Conduit	100%			2063	**	1		
Panelboards								
Fused Disc Sw	5%			2058	**	5		
Molded Case Bkrs	95%			2058	**	5	\$100	
Wiring								
Thermoplastic	100%			2063	**	1		
Motor Controllers								
Locally Mounted	100%			2053	**	5		

Ground

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FIRE DEPARTMENT - 057
ENGINE CO. 253
Asset # : 13143

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2053	**	1	\$1,800	
Generators								
Diesel	100%			2048	**	1	\$2,200	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : One 60 Kilowatts</i>					
Batteries								
Lead/Acid	100%			2028	\$2,600	5	\$200	
Fuel Storage								
Day Tank	50%			2058	**	5		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Generator Room Basement</i>					
			<i>Explanation : One 75 Gallons</i>					
Main Tank	50%			2073	**	5		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : One 500 Gallons</i>					
Lighting								
Interior Lighting								
LED	100%			2043	**			
Egress Lighting								
Emergency, Service	60%			2043	**	1		
Exit, Service	40%			2043	**	1		
Exterior Lighting								
LED	20%			2043	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2063	**	1		
Conversion Equipment								
Steam Boiler	100%			2053	**	1	\$5,700	
			<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 Unit</i>					
Distribution								
Steam Piping/Pump	100%			2063	**			

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 253
Asset # : 13143

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Terminal Devices								
Convactor/Radiator	100%			2053	**	1	\$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2058	**	1		
Conversion Equipment								
Split Unit	10%			2043	**			
Window/Wall Unit	50%			2033	\$11,700	1		
No Component	40%							
Terminal Devices								
No Component	90%							
No Component	10%							
Ventilation								
Exhaust Fans								
Wall Unit	25%			2043	**	2		
No Component	75%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2063	**	1		
			<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Throughout</i>					
Water Heater With Tanks								
Gas Fired	100%			2033	\$36,600	2		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 Units at 75 Gallons Each</i>					
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2028	\$200	4	\$200	
			<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
Backflow Preventer								
No Component	95%							
Generic	5%			2043	**	1		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : For Boiler Feed Only</i>					
Fixtures								
Generic	100%							
Fire Suppression								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 253
Asset # : 13143

Mechanical	Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Fire Suppression Chemical System Wet	100%			2028	\$65,600	1-3	\$69,700	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen, Covers 15 Square Feet</i>								
<i>Explanation : Kitchen Fire Suppression System</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 254/LADDER CO. 153
Address : 901 AVENUE U @ E. 9TH ST.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.254 / 13144 **Yr Built/Renovated** : 1924 /
Area Sq Ft : 5,376 **Project Type** : FIRE DEPARTMENT
Date of Survey : 18-Nov-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 7112 **Lot** : 49 **BIN** : 3192210

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$57,800	
Interior Architecture	\$199,100	
Electrical		\$63,500
Mechanical	\$99,600	
Total	\$356,500	\$63,500
Importance Code A	\$57,800	
Importance Code B	\$298,700	\$63,500
Total	\$356,500	\$63,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$21,500			
Interior Architecture	\$92,400		\$1,200	\$400
Electrical	\$300	\$200	\$200	\$300
Mechanical	\$48,700	\$7,600	\$7,700	\$15,700
Site Pavements	\$20,200			
Total	\$183,200	\$7,800	\$9,100	\$16,300
Importance Code A	\$22,000	\$500	\$500	\$500
Importance Code B	\$142,100	\$7,200	\$8,600	\$15,800
Importance Code C	\$19,100			
Total	\$183,200	\$7,800	\$9,100	\$16,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 254/LADDER CO. 153
Asset # : 13144

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%	0-2	\$57,800	LIFE	**	5	\$14,400	
<i>Paint Peeling, Extent : Light, Area Affected : 50%</i>								
<i>Location : Rear Elevation</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Chimney</i>								
Masonry: Granite	5%			LIFE	**	5	\$1,300	
Masonry: Limestone	5%	Now	\$4,900	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	5%			2038	**	5	\$4,200	
Windows								
Aluminum	98%			2058	**	5	\$1,700	
Metal Louvers	2%	Now	\$400	2042	**			
<i>Deformed/Dented, Extent : Light, Area Affected : 25%</i>								
<i>Location : Louver</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$5,700	
Masonry: Brick	80%			LIFE	**	5-10	\$10,900	
Masonry: Limestone	10%			LIFE	**	5-10	\$2,400	
Roof								
Asphalt Shingle	10%			2042	**	10	\$100	
Modified Bitumen	90%			2041	**	10	\$7,100	
Soffits								
Exposed Struc: Wood	100%			LIFE	**	10		
Interior								
Floors								
Cast in Place Concrete	50%	2-4	\$33,400	LIFE	**	5	\$8,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement And Apparatus Floor</i>								
Ceramic Tile	10%	Now	\$4,400	2036	**	5	\$400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Kitchen</i>								
Terrazzo	2%			LIFE	**	5	\$300	
Vinyl Tile	28%	0-2	\$60,700	2043	**	3	\$800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Vinyl Tile 9" X 9"	10%	Now	\$138,400	2043	**	3	\$300	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 254/LADDER CO. 153
Asset # : 13144

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	20%			LIFE	**	10	\$5,700	
Ceramic Tile	5%	0-2	\$1,500	2036	**	5	\$300	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bathroom</i>								
Gypsum Board	10%			LIFE	**	5-10	\$1,900	
Masonry: Brick	20%			LIFE	**	10	\$700	
Plaster	25%	Now	\$6,800	LIFE	**	5	\$900	
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor Bunk Room</i>								
SGFT/Glazed Masonry	15%			LIFE	**	10	\$900	
Wood	5%			LIFE	**	5	\$4,600	
Ceilings								
AcousTileSusp.Lay-In	30%			2046	**	5	\$2,400	
Embossed Metal	10%	Now	\$2,300	LIFE	**	5	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Metal Lay In Ceiling Tile</i>								
Exposed Struc: Concrete	25%	Now	\$28,800	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Gypsum Board	5%			LIFE	**	5-10	\$1,400	
Plaster	30%	Now	\$3,500	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Bunk Room</i>								
Site Enclosure								
Fence/Gates								
Wood	100%			2034	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$20,200	2046	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : West Side Of The Building</i>								
On-Site Walkways								
Cast in Place Concrete	100%			2038	**			
Parking/Driveway								
Cast in Place Concrete	100%			2046	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								

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FIRE DEPARTMENT - 057
ENGINE CO. 254/LADDER CO. 153
Asset # : 13144

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment Fused Disc Sw	100%			2033	\$14,700	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>								
Switchgear / Switchboard Molded Case Bkrs	100%			2033	\$63,500	5	\$100	
Raceway								
Conduit	80%			2033	\$28,800	1		
Conduit	20%			2053	**	1		
Panelboards								
Molded Case Bkrs	80%			2032	\$38,800	5	\$100	
Molded Case Bkrs	20%			2049	**	5		
Wiring								
Thermoplastic	80%			2033	\$26,000	1		
Thermoplastic	20%			2053	**	1		
Motor Controllers Locally Mounted	100%			2031	\$17,800	5		
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting Fluorescent	20%			2038	**	10	\$1,000	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : T-8 Lamps</i>								
LED	80%			2038	**			
Exterior Lighting								
LED	30%			2041	**			
No Component	70%							
Alarm								
Security System Generic	100%			2033	\$9,900	1	\$2,000	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Front And Side Of The Building</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	100%			2053	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 254/LADDER CO. 153
Asset # : 13144

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment Steam Boiler	100%			2046	**	1	\$5,300	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Natural Gas Fired Steam Boiler</i>								
Distribution Steam Piping/Pump	100%			2043	**			
Terminal Devices Convactor/Radiator	100%			2031	\$42,900	1	\$1,700	
Air Conditioning								
Energy Source Electricity	100%			2041	**	1		
Conversion Equipment Exterior Pkg Unit - Cooling	40%	0-2	\$23,000	2043	**	2	\$100	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1 Unit On Roof</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof</i>								
Window/Wall Unit	30%			2028	\$6,000	1		
Window/Wall Unit	30%	0-2	\$6,000	2033	\$6,000	1		
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Inefficient Units, Various Locations.</i>								
Ventilation								
Distribution Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,400	
No Component	70%							
Exhaust Fans Roof	20%			2028	\$2,000	2		
Wall Unit	30%			2028	\$700	2	\$100	
No Component	50%							
<i>Other Observation, Extent : N/A, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : There Is No Exhaust Fan For 2nd Floor Bathroom</i>								
Plumbing								
H/C Water Piping Brass/Copper	100%			2043	**	1		
Water Heater With Tanks Gas Fired	100%			2031	\$33,400	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 74 Gallon Units</i>								
Sanitary Piping Cast Iron	100%	0-2	\$3,300	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Entrance Of Apparatus Floor</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 254/LADDER CO. 153
Asset # : 13144

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Submersible	100%			2024	\$200	4	\$200	
Fixtures								
Generic	100%							
<i>Leaking Connections, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Sink In 2nd Floor Bathroom</i>								
Fire Suppression								
Chemical System Generic	100%			2026	\$99,600	1-3	\$101,100	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Covers 25 Square Feet In Kitchen</i>								
<i>Explanation : 1 Set</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 255/ LADDER 157
Address : 1367 ROGERS AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.255 / 13145 **Yr Built/Renovated** : 1897 / 2000
Area Sq Ft : 8,453 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Dec-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5229 **Lot** : 9 **BIN** : 3120929

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$70,000	\$134,100
Interior Architecture	\$130,900	
Mechanical	\$79,700	\$133,600
Total	\$280,500	\$267,700
Importance Code A	\$70,000	\$134,100
Importance Code B	\$210,500	\$133,600
Total	\$280,500	\$267,700

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$72,800			
Interior Architecture	\$75,800		\$200	\$500
Electrical	\$200			\$100
Mechanical	\$36,200	\$6,600	\$23,400	\$13,100
Site Pavements	\$2,600			
Total	\$187,500	\$6,600	\$23,600	\$13,600
Importance Code A	\$73,600	\$800	\$800	\$800
Importance Code B	\$101,200	\$5,800	\$22,800	\$12,800
Importance Code C	\$12,700			
Total	\$187,500	\$6,600	\$23,600	\$13,600



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**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 255/ LADDER 157
Asset # : 13145

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$36,300	
Masonry: Brick	75%	Now	\$70,000	LIFE	**	5	\$17,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Side Facade</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Northeast Corner</i>								
Metal Sect. OHD	10%	4+	\$8,200	2031	\$82,300	5	\$3,600	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Lower Interior Sections</i>								
Wood Overhead Doors	5%	Now	\$3,300	2038	**	5	\$2,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Glazing In Door</i>								
<i>Not Insulated, Extent : Light, Area Affected : 100%</i>								
<i>Location : West Side</i>								
Windows								
Aluminum	100%	Now	\$19,600	2041	**	5	\$700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Southside 1st And 2nd Floors</i>								
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
Parapets								
Masonry: Brick	80%			LIFE	**	5-10	\$15,300	
Masonry: Limestone	5%			LIFE	**	5-10	\$1,700	
Pre-Cast Concrete	15%			LIFE	**	5	\$5,300	
Roof								
Asphalt Shingle	50%	Now	\$1,200	2036	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Built-Up (BUR)	50%	Now	\$5,200	2033	\$51,800			
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Around Drains</i>								

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 255/ LADDER 157
Asset # : 13145

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$27,700	
Ceramic Tile	5%	Now	\$700	2042	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement Showers</i>								
Quarry Tile	5%	0-2	\$900	2046	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Door Way Edges</i>								
Vinyl Tile	10%			2038	**	3	\$500	
Vinyl Tile 9" X 9"	30%	Now	\$130,900	2043	**	3	\$1,400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
Interior Walls								
Ceramic Tile	5%	0-2	\$1,800	2042	**	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen And Toilets Throughout</i>								
Gypsum Board	5%	0-2	\$200	LIFE	**	5	\$400	
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	20%			LIFE	**	10	\$800	
Plaster	45%			LIFE	**	5-10	\$5,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Stair</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Office</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Stair</i>								
SGFT/Glazed Masonry	20%			LIFE	**	10	\$1,300	
Wood	5%			LIFE	**	5	\$5,300	

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FIRE DEPARTMENT - 057
ENGINE CO. 255/ LADDER 157
Asset # : 13145

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	5%	Now	\$200	2038	**	5	\$300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
Embossed Metal	55%	Now	\$40,900	LIFE	**	5	\$3,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor Ceiling</i>								
<i>Deformed/Dented, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor Ceiling</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 75%</i>								
<i>Location : Apparatus Floor Ceiling</i>								
Exposed Struc: Steel	25%			LIFE	**	10	\$6,300	
Plaster	15%	4+	\$2,800	LIFE	**	5	\$1,200	
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2038	**			
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$200	2038	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Southside</i>								
<i>Ponding, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Southside</i>								
<i>Sinking/Subsiding, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Southside</i>								
Parking/Driveway								
Cast in Place Concrete	100%	Now	\$2,400	2038	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Of Building</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2053	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 400 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2053	**	5	\$200	

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FIRE DEPARTMENT - 057
ENGINE CO. 255/ LADDER 157
Asset # : 13145

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	80%			2033	\$28,800	1		
Conduit	20%			2053	**	1		
Panelboards								
Fused Disc Sw	5%			2032	\$2,400	5		
Molded Case Bkrs	30%			2049	**	5	\$100	
Molded Case Bkrs	65%			2032	\$31,500	5	\$100	
Wiring								
Thermoplastic	70%			2033	\$22,800	1		
Thermoplastic	30%			2053	**	1		
Motor Controllers								
Locally Mounted	100%			2031	\$17,800	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
LED	100%			2041	**			
Exterior Lighting								
LED	30%			2041	**			
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Steam Boiler	100%			2038	**	1	\$8,400	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Steam Piping/Pump	100%			2033	\$66,100			
Terminal Devices								
Convactor/Radiator	100%			2031	\$67,500	1	\$2,700	
Air Conditioning								
Energy Source								
Electricity	100%			2041	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 255/ LADDER 157
Asset # : 13145

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Window/Wall Unit	25%			2028	\$7,800	1		
Window/Wall Unit	75%	0-2	\$14,100	2032	\$23,500	1		
<i>Not Energy Efficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$1,500	
No Component	80%							
Exhaust Fans								
Interior								
	15%	Now	\$5,500	2043	**	2		
<i>Not in Service, Extent : Severe, Area Affected : 100%</i>								
<i>Location : All The Bathrooms</i>								
Wall Unit								
	25%	0-2	\$900	2043	**	2	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor.</i>								
<i>Explanation : 1 Extended Life Time Unit For Apparatus Floor</i>								
No Component	60%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2043	**	1		
Water Heater With Tanks								
Gas Fired								
	100%			2026	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Only One 75 Gallon Unit</i>								
Sanitary Piping								
Cast Iron								
	100%	0-2	\$2,100	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Alley, Basement And Apparatus Floor.</i>								
Storm Drain Piping								
Cast Iron								
	100%			LIFE	**	1		
Sump Pump(s)								
Not Accessible								
	100%							
Fixtures								
Generic								
	100%							
Fire Suppression								
Chemical System								
Generic								
	100%			2026	\$79,700	1-3	\$80,900	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set, Covers 20 Square Feet In Kitchen</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 257/LADDER 170 / BATTALION 58
Address : 1361 ROCKAWAY PARKWAY
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.257 / 13146 **Yr Built/Renovated** : 1907 / 2010
Area Sq Ft : 8,142 **Project Type** : FIRE DEPARTMENT
Date of Survey : 18-Jan-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 8166 **Lot** : 33 **BIN** : 3229407

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$271,600	
Interior Architecture	\$588,100	
Electrical		\$63,500
Mechanical		\$257,800
Site Pavements	\$55,900	
Total	\$915,700	\$321,300
Importance Code A	\$271,600	
Importance Code B	\$588,100	\$321,300
Importance Code C	\$55,900	
Total	\$915,700	\$321,300

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$48,900		\$9,600	
Interior Architecture	\$94,800			\$800
Electrical	\$900	\$600	\$600	\$3,000
Mechanical	\$41,500	\$31,000	\$14,900	\$14,800
Total	\$186,200	\$31,600	\$25,100	\$18,600
Importance Code A	\$49,700	\$800	\$10,400	\$800
Importance Code B	\$68,900	\$30,800	\$14,700	\$17,800
Importance Code C	\$67,500			
Total	\$186,200	\$31,600	\$25,100	\$18,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 257/LADDER 170 / BATTALION 58
Asset # : 13146

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	87%	0-2	\$179,800	LIFE	**	5	\$22,400	
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Farragut Road Facade And Hose Tower</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout, Except Front Facade</i>								
Masonry: Granite	2%			LIFE	**	5	\$800	
Masonry: Limestone	3%			LIFE	**	5	\$1,200	
Metal Sect. OHD	5%			2046	**	5	\$4,000	
Stucco Cement	3%	0-2	\$2,100	2046	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Front Facade</i>								
Windows								
Aluminum	70%	Now	\$91,900	2058	**	5	\$1,000	
<i>Air Infiltration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Wood	30%	Now	\$33,200	2058	**	5	\$4,200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 1st Floor Side Facade Near Front- Sash Missing</i>								
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5-10	\$12,200	
Masonry: Brick	30%			LIFE	**	5-10	\$4,400	
Metal Rail	30%			2046	**	5-10	\$11,600	
Stucco Cement	20%			2046	**	5	\$1,100	
Roof								
Modified Bitumen	100%			2038	**	10	\$12,200	
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 257/LADDER 170 / BATTALION 58
Asset # : 13146

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$141,400	LIFE	**	5	\$12,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apparatus Floor Near Ladder Truck Bay</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement, Apparatus Floor At Threshold Of Over Head Door</i>								
<i>Other Observation, Extent : N/A, Area Affected : 50%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Temporary Shoring In Basement</i>								
Ceramic Tile	5%	Now	\$10,400	2042	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Officers Bathrooms</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Officers Bathrooms</i>								
Vinyl Tile	50%	Now	\$170,100	2043	**	3	\$2,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second Floor Throughout</i>								
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second Floor Throughout</i>								
<i>Patching Evident, Extent : Light, Area Affected : 15%</i>								
<i>Location : Second Floor Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout, Engine Office</i>								
Interior Walls								
Ceramic Tile	35%	Now	\$32,600	2036	**	5	\$3,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Truck Bays And Officers Bathrooms</i>								
Masonry: Brick	35%	0-2	\$22,600	LIFE	**			
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Front Wall</i>								
Plaster	30%	Now	\$12,400	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Second Floor</i>								

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Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 257/LADDER 170 / BATTALION 58
Asset # : 13146

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	10%	Now	\$10,200	2038	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor Offices</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Offices And 1st Floor Lounge</i>								
Embossed Metal	35%			LIFE	**	5	\$4,000	
Exposed Struc: Concrete	30%	Now	\$276,700	LIFE	**	5	\$600	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Steel Beam At Front Wall</i>								
<i>Spalling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At Sidewalk Hatch</i>								
<i>Other Observation, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Basement</i>								
<i>Explanation : Temporary Supports Under Apparatus Floor</i>								
Plaster	25%	Now	\$4,700	LIFE	**	5	\$2,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout Second Floor</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2043	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	**			
Parking/Driveway								
Cast in Place Concrete	100%	Now	\$55,900	2046	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Parking Area</i>								
<i>Sinking/Subsiding, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Parking Lot</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2053	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 400 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2033	\$63,500	5	\$200	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 257/LADDER 170 / BATTALION 58
Asset # : 13146

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	80%			2033	\$28,800	1		
Conduit	20%			2053	**	1		
Panelboards								
Molded Case Bkrs	80%			2049	**	5	\$200	
Molded Case Bkrs	20%			2032	\$9,700	5		
Wiring								
Thermoplastic	80%			2033	\$26,000	1		
Thermoplastic	20%			2053	**	1		
Motor Controllers								
Variable Frequency Drive	100%			2038	**			
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2046	**	1	\$2,500	
Generators								
Diesel	100%			2042	**	1	\$3,200	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : No Available Nameplate Rating Capacity</i>								
Batteries								
Lead/Acid	100%			2027	\$2,400	5	\$300	
Fuel Storage								
Main Tank	100%			2061	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : 120 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
Fluorescent	10%			2033	\$6,900	10	\$700	
LED	90%			2038	**			
Egress Lighting								
Emergency, Service	100%			2038	**	1		
Exterior Lighting								
LED	20%			2038	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 257/LADDER 170 / BATTALION 58
Asset # : 13146

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Fuel Oil No 2	100%			2043	**	5	\$2,500	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 550 Gallon Tank; 490 Gallon Working Capacity</i>								
Conversion Equipment								
Steam Boiler	100%			2050	**	1	\$8,100	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Steam Piping/Pump	100%	0-2	\$1,300	2043	**			
<i>Unbalanced System, Extent : Light, Area Affected : 5%</i>								
<i>Location : Truck And Engine Rooms - Water Hammer</i>								
Terminal Devices								
Convactor/Radiator	90%			2031	\$58,500	1	\$2,400	
<i>On Extended Life, Extent : Light, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								
Fan Coil Unit/Heat	10%	0-2	\$19,700	2043	**	1	\$200	
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor (Main Truck Room) - Steam Unit Heaters</i>								
Controls								
Electrical	100%			2028	\$44,200			
Air Conditioning								
Energy Source								
Electricity	100%			2041	**	1		
Conversion Equipment								
Split Unit	10%	0-2	\$1,900	2033	\$18,900			
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 2 Inefficient Units, R-410a Refrigerant</i>								
Split Unit	5%			2041	**			
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : TV Room</i>								
Window/Wall Unit	50%	0-2	\$3,000	2028	\$15,100	1		
<i>Not in Service, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor - 4 Units Defective</i>								
No Component	35%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$1,400	
No Component	80%							
Exhaust Fans								
Roof	20%			2033	\$3,100	2	\$100	
Wall Unit	10%			2033	\$300	2		
No Component	70%							

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FIRE DEPARTMENT - 057
ENGINE CO. 257/LADDER 170 / BATTALION 58
Asset # : 13146

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	H/C Water Piping								
	Brass/Copper	90%			2043	* *	1		
	Galvanized Steel	10%	Now	\$200	2038	* *	1		
	<i>Corroded, Extent : Moderate, Area Affected : 10%</i>								
	<i>Location : Basement At Water Main</i>								
	Water Heater With Tanks								
	Gas Fired	50%			2028	\$16,700	2		
	<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
	<i>Location : Basement</i>								
	<i>Explanation : 1 Of 2 Units - 74 Gallons. Quantity 1</i>								
	Gas Fired	50%			2032	\$16,700	2		
	<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
	<i>Location : Basement</i>								
	<i>Explanation : 1 Of 2 Units - 74 Gallons. Quantity 1</i>								
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%			2028	\$200	4	\$300	
	<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
	<i>Location : Basement</i>								
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2031	\$199,200	1-3	\$186,000	
	<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
	<i>Location : Kitchen</i>								
	<i>Explanation : Kitchen Hood, 50 Square Feet (10x5)</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 258/LADDER CO. 115
Address : 10-10 47TH AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.258 / 13147 **Yr Built/Renovated** : 1903 / 2009
Area Sq Ft : 10,491 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Dec-2018 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3,4
Block : 46 **Lot** : 34 **BIN** : 4000333

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$406,000	
Interior Architecture	\$90,300	\$332,800
Mechanical	\$62,300	
Total	\$558,700	\$332,800
Importance Code A	\$406,000	
Importance Code B	\$152,700	\$142,300
Importance Code C		\$190,500
Total	\$558,700	\$332,800

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$31,800	\$9,200		
Interior Architecture	\$61,100			
Electrical	\$3,600	\$68,700	\$800	\$700
Mechanical	\$4,400	\$53,800	\$1,500	\$900
Site Enclosure	\$6,700			
Site Pavements	\$2,300			
Total	\$110,000	\$131,600	\$2,300	\$1,600
Importance Code A	\$32,300	\$27,200	\$500	\$500
Importance Code B	\$49,900	\$104,400	\$1,800	\$1,100
Importance Code C	\$27,800			
Total	\$110,000	\$131,600	\$2,300	\$1,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 258/LADDER CO. 115
Asset # : 13147

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	3%			LIFE	**	5	\$9,100	
Masonry: Brick	75%	Now	\$128,700	LIFE	**	5	\$29,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Northwest Corner Including Street Side Parapet</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front And Rear Facades</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Rear Facade</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 2%</i>								
<i>Location : East And South Facade</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 2%</i>								
<i>Location : 2nd Floor At Bay Window Copper Panning</i>								
Masonry: Granite	2%			LIFE	**	5	\$600	
Masonry: Limestone	10%	0-2	\$9,800	LIFE	**	5	\$2,900	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Metal Sect. OHD	5%			2035	**	5	\$6,100	
Stucco Cement	5%			2035	**	5	\$4,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 4th Floor Bulkhead</i>								
<i>Explanation : Stucco Located At 4th Floor Observed From Roof.</i>								
Windows								
Aluminum	100%	Now	\$20,800	2046	**	5	\$1,000	
<i>Unit Inoperable, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Bathroom</i>								
Parapets								
Metal Panel	70%			2040	**	5	\$7,400	
Metal Rail	30%	Now	\$1,200	2035	**	5	\$5,800	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 5%</i>								
<i>Location : At The Corners</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 258/LADDER CO. 115
Asset # : 13147

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Built-Up (BUR)	85%	Now	\$150,000	2040		**		1
<i>Blisters, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Main Roof</i>								
<i>Drains Clogged, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Towards Front Of Building</i>								
<i>Ponding, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Main Roof, Skylight, 2nd Floor Bathroom</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Explanation : Poor Installation On Replacement Roof.</i>								
Metal Panel	10%			2043		**	10	\$2,600
Skylight, Metal/Glass	5%	Now	\$127,400	2060		**		1
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Over Stair</i>								
<i>Explanation : Needs Complete Re-Caulking.</i>								
Interior								
Floors								
Cast in Place Concrete	40%			LIFE		**	5	\$13,700
Ceramic Tile	15%	Now	\$2,800	2033	\$142,300		5	\$1,200
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Wood	45%	0-2	\$90,300	2045		**	5	\$6,600
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : 2nd Floor, 3rd Floor</i>								
<i>Loose/Miss Fasteners, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor, 3rd Floor</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 258/LADDER CO. 115
Asset # : 13147

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	10%			2033	\$190,500	5	\$3,200	
Concrete Masonry Unit	20%	4+	\$13,000	LIFE	**	5	\$2,600	
<i>Staining/Discoloring, Extent : Light, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Gypsum Board	10%	Now	\$1,000	LIFE	**	5	\$1,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Various Locations</i>								
Masonry: Brick	20%			LIFE	**			
<i>Paint Peeling, Extent : Light, Area Affected : 25%</i>								
<i>Location : Apparatus Room, Staircase</i>								
Plaster	40%	Now	\$6,700	LIFE	**	5	\$3,900	
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 3rd Floor Under Skylight In Pool Room And Various Other Locations.</i>								
Ceilings								
AcousTileSusp.Lay-In	35%	Now	\$19,600	2035	**	5	\$2,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout.</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : 2nd, 3rd And 4th Floor Mezzanine Lounge Area.</i>								
Embossed Metal	45%	2-4	\$4,600	LIFE	**	5	\$3,200	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 4th Floor And Apparatus Room</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 4th Floor And Apparatus Room</i>								
Exposed Struc: Steel	15%	Now	\$12,100	LIFE	**			
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement Below Apparatus Floor</i>								
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : 3rd Floor, Rear Wall And Basement</i>								
<i>Explanation : Rusted Lintel Above Window.</i>								
Plaster	5%	Now	\$1,300	LIFE	**	5	\$500	
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Truck Bay Stair And 2nd Floor Offices</i>								
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%	0-2	\$6,700	2040	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Rear Yard</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Rear Yard</i>								
<i>Explanation : Paint Peeling</i>								
Site Pavements								

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FIRE DEPARTMENT - 057
ENGINE CO. 258/LADDER CO. 115
Asset # : 13147

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%	4+	\$2,000	2043		**		
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*Ponding, Extent : Moderate, Area Affected : 2%**Location : 47th Avenue**Other Observation, Extent : Moderate, Area Affected : 2%**Location : 47th Avenue**Explanation : Entry Apron Misaligned*

On-Site Walkways

Cast in Place Concrete	100%	2-4	\$300	2035		**		
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 2%**Location : Rear Yard**Ponding, Extent : Moderate, Area Affected : 2%**Location : Rear Yard*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2050		**	5	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 800 Ampere Service*

Switchgear / Switchboard

Molded Case Bkrs	100%			2050		**	5	\$300
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Raceway

Conduit	70%			2030	\$27,600		1	
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Conduit	30%			2050		**	1	
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Panelboards

Fused Disc Sw	2%			2029	\$1,100		5	
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Fused Disc Sw	2%			2029	\$1,100		5	
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Fused Disc Sw	40%			2046		**	5	\$100
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Molded Case Bkrs	56%			2029	\$29,800		5	\$200
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Wiring

Thermoplastic	60%			2030	\$21,400		1	
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Thermoplastic	40%			2050		**	1	
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Motor Controllers

Locally Mounted	100%			2028	\$19,500		5	\$100
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Ground

Grounding Devices

Generic	100%			LIFE		**	5	\$200
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Stand-by Power

Transfer Switches

Automatic	100%			2043		**	1	\$3,200
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FIRE DEPARTMENT - 057
ENGINE CO. 258/LADDER CO. 115
Asset # : 13147

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Generators								
Diesel	100%			2039	**	1	\$4,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 250 Kilowatt</i>								
Batteries								
Lead/Acid	100%			2024	\$2,600	5	\$400	
Fuel Storage								
Day Tank	100%			2046	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside Rear Yard</i>								
<i>Explanation : 125 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent	90%			2035	**	10	\$8,700	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Incandescent	10%			2025	\$13,900	2		
Egress Lighting								
Emergency, Battery	50%			2025	\$9,400	10	\$1,300	
Exit, Battery	50%			2025	\$8,000	10	\$400	
Exterior Lighting								
HID	50%			2025	\$26,200	10		
No Component	50%							
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2050	**	1		
Conversion Equipment								
Furnace	50%			2025	\$17,500	1	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 7 Rooftop Units</i>								
Hot Water Boiler	50%			2035	**	1	\$2,600	
Distribution								
Hot Wtr Piping/Pump	50%			2046	**	4	\$300	
No Component	50%							
Terminal Devices								
Convactor/Radiator	30%			2043	**	1	\$1,000	
Unit Heater - Steam	20%	0-2	\$300	2030	\$12,800	4	\$200	
<i>Not in Service, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
No Component	50%							

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FIRE DEPARTMENT - 057
ENGINE CO. 258/LADDER CO. 115
Asset # : 13147

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	55%	0-2	\$62,300	2040	**	2	\$300	
			<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 7 Rooftop Units, Roof</i>					
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Roof</i>					
			<i>Explanation : On Extended Life Time Units. Going Down Frequently.</i>					
Window/Wall Unit	5%			2025	\$2,100	1		
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	60%			LIFE	**	2-5	\$3,500	
No Component	40%							
Exhaust Fans								
Roof	60%			2025	\$13,100	2	\$200	
Wall Unit	20%			2030	\$1,000	2	\$100	
No Component	20%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2050	**	1		
Water Heater With Tanks								
Gas Fired	100%			2025	\$18,300	2		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Two 75 Gallon Units</i>					
Sanitary Piping								
Cast Iron	100%	0-2	\$2,800	LIFE	**	1		
			<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>					
			<i>Location : Leaking To 2nd Floor Women Restroom From 3rd Floor Kitchen.</i>					
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Combination Sewer Backs Up In Basement During Heavy Rains</i>					
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2024	\$300	4	\$300	
Backflow Preventer								
Generic	100%			2038	**	1	\$600	
Fixtures								
Generic	100%							
Fire Suppression								

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FIRE DEPARTMENT - 057
ENGINE CO. 258/LADDER CO. 115

Asset # : 13147

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Sprinkler							
	No Component	90%						
	Generic	10%			2050	**	1-2	\$300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : System Serves Cooking Area</i>								
Chemical System	No Component	98%						
	Generic	2%			2025	\$1,700	1-3	\$1,500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 259/LADDER CO. 128 /BATTALION 45
Address : 33-49 GREENPOINT AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.259 / 13148 **Yr Built/Renovated** : 1907 / 2009
Area Sq Ft : 15,800 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Mar-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 307 **Lot** : 29 **BIN** : 4003673

CAPITAL		FY 2024 - 2027	FY 2028 - 2033
Mechanical			\$95,600
Total			\$95,600
Importance Code B			\$95,600
Total			\$95,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$78,700		\$2,800	\$100
Interior Architecture	\$71,900		\$300	
Electrical	\$3,100	\$3,800	\$1,800	\$1,400
Mechanical	\$31,200	\$2,600	\$20,000	\$2,000
Total	\$184,900	\$6,500	\$24,900	\$3,500
Importance Code A	\$79,400	\$800	\$3,600	\$900
Importance Code B	\$87,800	\$5,700	\$21,300	\$2,600
Importance Code C	\$17,700			
Total	\$184,900	\$6,500	\$24,900	\$3,500



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FIRE DEPARTMENT - 057
ENGINE CO. 259/LADDER CO. 128 /BATTALION 45
Asset # : 13148

Architecture	Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$33,800	LIFE	**	5	\$8,400	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : West And East Facades</i>								
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 15%</i>								
<i>Location : At Window Lintels</i>								
Masonry: Brick Cavity	10%	2-4	\$2,000	LIFE	**	5	\$1,200	
<i>Vegetation Growth, Extent : Severe, Area Affected : 25%</i>								
<i>Location : East Facade</i>								
Masonry: Limestone	2%	Now	\$18,500	LIFE	**	5	\$200	
<i>Water Penetration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : At Third Floor Window Lintels</i>								
Metal Panel	10%			2051	**	5-10	\$8,300	
Metal Sect. OHD	5%			2044	**	5	\$1,900	
Pre-Cast Concrete	3%			LIFE	**	5	\$1,200	
Windows								
Aluminum	100%	Now	\$900	2047	**	5	\$200	
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 3rd Floor Front Rooms</i>								
<i>Weather Strip Missing, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%	2-4	\$500	LIFE	**	5	\$1,100	
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
Masonry: Brick	65%	Now	\$5,800	LIFE	**	5	\$900	1
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Front Facade, East And West Facades</i>								
Metal Panel	5%			2057	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof Parapet</i>								
<i>Explanation : Metal Coping</i>								
Metal Panel	20%			2051	**	5	\$1,100	

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FIRE DEPARTMENT - 057
ENGINE CO. 259/LADDER CO. 128 /BATTALION 45
Asset # : 13148

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
IRMA/Protected Membrane	5%	4+	\$700	2031	\$14,500			
	Vegetation Growth, Extent : Light, Area Affected : 20% Location : Lower Roof Above Kitchen Water Penetration, Extent : Moderate, Area Affected : 10% Location : Dining Room							
Modified Bitumen	77%	Now	\$10,300	2036	**			
	Water Penetration, Extent : Severe, Area Affected : 10% Location : Main Roof At Air Conditioning Penetrations							
Plaza Roof: Stone Panels	15%			2051	**			
Skylight, Metal/Glass	3%	Now	\$5,200	2051	**			1
	Water Penetration, Extent : Severe, Area Affected : 20% Location : Dining Room Skylight							
Interior								
Floors								
Cast in Place Concrete	43%			LIFE	**	5	\$20,500	
Ceramic Tile	30%	Now	\$7,200	2040	**	5	\$3,300	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10% Location : Kitchen							
Sheet Vinyl/Rubber	2%			2036	**	5	\$700	
Wood	25%	Now	\$15,900	2059	**	5	\$5,100	
	Ridging, Extent : Severe, Area Affected : 10% Location : Bunker Room On Third Floor From Roof Water Penetration							
Interior Walls								
Cast in Place Concrete	15%			LIFE	**			
Ceramic Tile	5%	Now	\$13,600	2040	**	5	\$600	
	Cracking/Crumbling, Extent : Severe, Area Affected : 10% Location : Stairs To Basement Loose/Delam Surface, Extent : Moderate, Area Affected : 10% Location : Mens 3rd Floor Bathroom Staining/Discoloring, Extent : Moderate, Area Affected : 30% Location : Apparatus Room And Kitchen							
Concrete Masonry Unit	10%			LIFE	**	5	\$1,000	
Gypsum Board	59%	Now	\$4,100	LIFE	**	5	\$9,000	
	Water Penetration, Extent : Severe, Area Affected : 25% Location : 3rd Floor Front Room, Gymnasium, Bunker Room And Soffit Sides At Dining Room Skylight Area							
Masonry: Fieldstone	5%			LIFE	**			
Metal Panel	1%			LIFE	**			
	Other Observation, Extent : Light, Area Affected : 100% Location : 1st Floor Housewatch Explanation : Stainless Steel Panels							
Wood	5%			LIFE	**	5	\$5,100	

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FIRE DEPARTMENT - 057
ENGINE CO. 259/LADDER CO. 128 /BATTALION 45
Asset # : 13148

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	15%	4+	\$1,100	2044	**	5	\$1,600	
<i>Staining/Discoloring, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd And 3rd Floor Offices</i>								
Exposed Struc: Steel	25%	Now	\$25,600	LIFE	**			
<i>Water Penetration, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Basement Below Biodiesel Pipe Penetrations At Sidewalk Level</i>								
Gypsum Board	60%	Now	\$4,500	LIFE	**	5	\$16,400	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor Bathroom, 3rd Floor Front And Gymnasium</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor Bunkroom</i>								
<i>Explanation : Paint Peeling</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			
On-Site Walkways								
Cast in Place Concrete	100%			2044	**			
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2051	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 600 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2051	**	5	\$400	
Raceway								
Conduit	100%			2051	**	1		
Panelboards								
Molded Case Bkrs	100%			2047	**	5	\$400	
Wiring								
Thermoplastic	100%			2051	**	1		
Motor Controllers								
Locally Mounted	100%			2044	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	**	1	\$4,900	

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FIRE DEPARTMENT - 057
ENGINE CO. 259/LADDER CO. 128 /BATTALION 45
Asset # : 13148

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Generators								
Diesel	100%			2040	**	1	\$6,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Emergency Generator Rated At 180 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2025	\$2,400	5	\$600	
Fuel Storage								
Day Tank								
	10%			2047	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 60 Gallons Rated Capacity</i>								
Main Tank								
	90%			2059	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 550 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
LED	100%			2039	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : LED Lights</i>								
Egress Lighting								
Emergency, Service	40%			2036	**	1		
Emergency, Battery	10%			2036	**	10	\$400	
Exit, LED	50%			2059	**	1		
Exterior Lighting								
HID	10%			2036	**	10		
LED	10%			2039	**			
No Component	80%							
Alarm								
Fire/Smoke Detection								
No Component	95%							
Generic, Analog	5%	Now	\$2,000	2041	**	1-3	\$400	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Fire Alarm System Is Not Functional. Smoke Detector And Alarm Bells</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2051	**	1		

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 259/LADDER CO. 128 /BATTALION 45
Asset # : 13148

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment								
Furnace	15%			2031	\$7,200	1	\$1,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Entrance Of Apparatus Floor</i>								
<i>Explanation : 2 Gas Fired Units</i>								
Hot Water Boiler	85%			2044	**	1	\$6,600	
Distribution								
Hot Wtr Piping/Pump	85%	Now	\$2,900	2047	**	4	\$700	
<i>Controller Not Working, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Temperature Control System, Throughout.</i>								
No Component	15%							
Terminal Devices								
Convactor/Radiator	55%			2044	**	1	\$2,800	
Convactor/Radiator	5%	0-2	\$3,800	2051	**	1	\$200	
<i>Damaged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Third Floor Bathroom</i>								
Fan Coil Unit/Heat	25%			2031	\$95,600	1	\$1,300	
No Component	15%							
Air Conditioning								
Energy Source								
Electricity	100%			2047	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	70%	Now	\$5,900	2036	**	2	\$500	
<i>Leak Evident, Extent : Severe, Area Affected : 3%</i>								
<i>Location : Condensate Leaks To 3rd Floor Dormitory</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 5 Units. R-410a Refrigerant</i>								
Split Unit	5%	0-2	\$3,700	2036	**			
<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2 Units. 2nd Floor Office And House Watch.</i>								
No Component	25%							
Terminal Devices								
Fan Coil - 2 Pipe	5%			2036	**	1	\$300	
No Component	95%							
Heat Rejection								
Air Cooled Condenser Unit	5%			2036	**	2	\$600	
No Component	95%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%	0-2	\$3,400	LIFE	**	2-5	\$900	
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 3rd Floor Ceiling</i>								
Ductwork/Diffusers	90%			LIFE	**	2-5	\$7,900	

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FIRE DEPARTMENT - 057
ENGINE CO. 259/LADDER CO. 128 /BATTALION 45
Asset # : 13148

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
	Exhaust Fans							
	Roof	80%			2036	**	2	\$400
	Wall Unit	20%			2031	\$1,300	2	\$100
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2051	**	1	
	Water Heater With Tanks							
	Gas Fired	100%			2026	\$16,700	2	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Cellar</i>					
			<i>Explanation : Two 75 Gallon Heaters</i>					
	Sanitary Piping							
	Cast Iron	100%	Now	\$9,700	LIFE	**	1	
			<i>Blockage /Clogged, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Apparatus Floor, Kitchen And Basement</i>					
			<i>Leak Evident, Extent : Severe, Area Affected : 5%</i>					
			<i>Location : 3rd Floor Laundry Area Leaks To 2nd Floor Training Room</i>					
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2025	\$500	4	\$500
	Backflow Preventer							
	Generic	100%			2039	**	1	\$1,000
	Fixtures							
	Generic	95%						
	Generic	5%						
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : 3rd Floor Bathroom</i>					
			<i>Explanation : Broken</i>					
Fire Suppression								
	Sprinkler							
	Generic	100%			2051	**	1-2	\$4,400
	Chemical System							
	No Component	99%						
	Generic	1%			2029	\$800	1-3	\$700

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 26
Address : 220 WEST 37th STREET BET 7TH AVE AND 8TH AVE
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.026 / 13019 **Yr Built/Renovated** : 1869 / 2010
Area Sq Ft : 7,221 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Nov-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 786 **Lot** : 61 **BIN** : 1014447

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$106,800	\$63,600
Electrical		\$6,100
Mechanical		\$114,100
Total	\$106,800	\$183,900
Importance Code A	\$106,800	\$63,600
Importance Code B		\$120,300
Total	\$106,800	\$183,900

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$40,600			\$7,800
Interior Architecture	\$113,400		\$2,300	\$600
Electrical	\$9,800		\$100	\$38,900
Mechanical	\$1,600	\$1,200	\$1,300	\$16,200
Site Pavements	\$2,000			
Total	\$167,300	\$1,200	\$3,700	\$63,500
Importance Code A	\$41,300	\$700	\$700	\$8,500
Importance Code B	\$87,800	\$500	\$1,500	\$55,000
Importance Code C	\$38,200		\$1,500	
Total	\$167,300	\$1,200	\$3,700	\$63,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 26
Asset # : 13019

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Iron	5%			LIFE	**			
Masonry: Brick	85%	0-2	\$106,800	LIFE	**	5	\$26,500	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front And Rear Facades</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front And Rear Facades</i>								
Wood Overhead Doors	10%			2037	**	5	\$15,600	
Windows								
Aluminum	100%	Now	\$30,800	2040	**	5	\$600	1
<i>Air Infiltration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Front Facade</i>								
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i>								
<i>Location : 3rd Floor Front Office And Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$600	
Masonry: Brick	85%			LIFE	**	5	\$700	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 0%</i>								
<i>Location : At Side Walls</i>								
No Component	5%							
Roof								
Asphalt Shingle	5%	Now	\$700	2035	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rear Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Modified Bitumen	90%			2032	\$63,600	10	\$6,000	
Skylight, Metal/Glass	5%	0-2	\$9,100	2042	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								
<i>Deformed/Dented, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 26
Asset # : 13019

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	**	5	\$7,100	
Ceramic Tile	15%			2041	**	5	\$1,600	
Quarry Tile	5%	0-2	\$3,900	2037	**	5	\$400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	45%	Now	\$39,400	2042	**	3	\$1,800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 1st, 2nd And 3rd Floor Rooms</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 1st, 2nd And 3rd Floor Throughout</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 1st, 2nd And 3rd Floor Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 90%</i>								
<i>Location : 1st, 2nd And 3rd Floor Throughout</i>								
Wood	5%	Now	\$600	2060	**	5	\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Wood Stair From 2nd To 3rd Floor</i>								
Interior Walls								
Ceramic Tile	20%			2041	**	5	\$2,900	
Masonry: Brick	10%	Now	\$5,400	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front And Back Of Building In Basement</i>								
<i>Water Penetration, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout Front And Back, Basement</i>								
Plaster	55%	Now	\$19,000	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd And 3rd Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : 2nd And 3rd Floor Throughout</i>								
SGFT/Glazed Masonry	10%	Now	\$12,700	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 30%</i>								
<i>Location : 1st Floor</i>								
Wood	5%	Now	\$1,000	LIFE	**	5	\$2,900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : 3rd Floor Behind Cab</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 26
Asset # : 13019

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	25%	Now	\$9,000	2037	**	5	\$1,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Basement, 1st, 2nd And 3rd Floor Offices And Main Area</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Basement, 1st, 2nd And 3rd Floor</i>								
AcousTileSusp.Lay-In	15%	0-2	\$1,300	2045	**	5	\$800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st, 2nd And 3rd Floor Offices</i>								
<i>Misaligned/Bulging, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st, 2nd And 3rd Floor Throughout</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1st, 2nd And 3rd Floor Throughout</i>								
Embossed Metal	20%	Now	\$11,300	LIFE	**	5	\$1,000	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 1st Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : 1st Floor</i>								
Exposed Struc: Concrete	20%	4+	\$6,500	LIFE	**	5	\$300	
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Basement</i>								
Plaster	20%	4+	\$3,300	LIFE	**	5	\$1,400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Second Floor</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	2-4	\$1,900	2045	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 37th Street</i>								
Parking/Driveway								
Cast in Place Concrete	100%	Now	\$100	2037	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Front Ramp</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2032	\$14,700	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Ampere Disconnect Switch</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 26
Asset # : 13019

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Raceway								
Conduit	90%			2032	\$32,400	1		
Conduit	10%			2052	**	1		
Panelboards								
Fused Disc Sw	5%			2031	\$2,400	5		
Molded Case Bkrs	75%			2031	\$36,400	5	\$100	
Molded Case Bkrs	20%			2048	**	5		
Wiring								
Braided Cloth	30%	2-4	\$9,800	2057	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	20%			2052	**	1		
Thermoplastic	50%			2032	\$16,300	1		
Motor Controllers								
Locally Mounted	100%			2030	\$17,800	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	90%			2037	**	10	\$6,000	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	10%			2032	\$6,100	10	\$700	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : T-12 Lamps</i>								
Exterior Lighting								
HID	100%			2027	\$32,900	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2052	**	1		
Conversion Equipment								
Steam Boiler	100%			2045	**	1	\$7,200	

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FIRE DEPARTMENT - 057
ENGINE CO. 26
Asset # : 13019

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Steam Piping/Pump	100%			2032	\$56,500			
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout, Steam Supply And Condensate Return Piping Are Beyond Their Useful Life Cycle Rating</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Gravity Steam Condensate Return System</i>								
Terminal Devices								
Convactor/Radiator	100%			2030	\$57,700	1	\$2,300	
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Heating Terminal Equipment Are Beyond Their Useful Life Cycle Rating</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2040	**	1		
Conversion Equipment								
Split Unit	10%			2040	**			
Window/Wall Unit	40%			2027	\$10,700	1		
No Component	50%							
Heat Rejection								
Air Cooled Condenser Unit	10%			2040	**	2	\$500	
<i>Recent Installation, Extent : N/A, Area Affected : 10%</i>								
<i>Location : Newly Installed Condensing Unit Evident</i>								
No Component	90%							
Ventilation								
Exhaust Fans								
Roof	15%			2032	\$2,100	2		
No Component	85%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2052	**	1		
Water Heater With Tanks								
Gas Fired	100%			2030	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout, The Sanitary Piping Are Beyond Their Useful Life Cycle Rating</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout, The Storm Piping Are Beyond Their Useful Life Cycle Rating</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 26
Asset # : 13019

Mechanical	Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Backflow Preventer								
No Component	95%							
Generic	5%			2037	**	1		
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Dry	5%			2027	\$4,000	1-3	\$3,900	
		<i>Other Observation, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Ansul System Serves Cooking Area</i>						
No Component	95%							

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 260
Address : 11-15 37th AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.260 / 13149 **Yr Built/Renovated** : 1939 /
Area Sq Ft : 6,760 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Mar-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 352 **Lot** : 35 **BIN** : 4004305

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$132,000	\$194,800
Interior Architecture	\$118,500	\$54,600
Total	\$250,500	\$249,400
Importance Code A	\$132,000	\$194,800
Importance Code B	\$118,500	\$54,600
Total	\$250,500	\$249,400

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$28,900			
Interior Architecture	\$71,800	\$1,100		\$300
Electrical	\$100		\$100	
Mechanical	\$8,400	\$1,000	\$30,400	\$1,000
Site Enclosure	\$7,400			
Site Pavements	\$8,800			
Total	\$125,400	\$2,000	\$30,500	\$1,300
Importance Code A	\$29,500	\$700	\$700	\$700
Importance Code B	\$61,500	\$800	\$29,900	\$600
Importance Code C	\$34,300	\$600		
Total	\$125,400	\$2,000	\$30,500	\$1,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 260
Asset # : 13149

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$132,000	LIFE	**	5	\$16,400	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>								
<i>Location : All Facades Below Granite And Above Windows</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Rear And Side Façade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rear And Side Facade</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Rear And Side Facade Everytime It Rains</i>								
Masonry: Granite	10%			LIFE	**	5	\$1,600	
Wood Overhead Doors	15%	Now	\$9,200	2029	\$92,100	5	\$8,200	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%	Now	\$3,900	2047	**	5	\$800	
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$500	
Masonry: Brick	75%	Now	\$12,000	LIFE	**	5	\$1,000	1
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Above Roof Joint On Exterior Of Building</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Office And Locker Room On 2nd Floor Every Time It Rains</i>								
Masonry: Granite	20%	Now	\$1,700	LIFE	**	5	\$300	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Joint Between Brick</i>								
Roof								
Modified Bitumen	98%	2-4	\$2,100	2031	\$102,800			
<i>Ponding, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At Hatch Area</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Main Roof Every Time It Rains</i>								
Skylight, Metal/Glass	2%			2041	**	10	\$700	
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 260
Asset # : 13149

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$21,000	LIFE	**	5	\$11,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Structurally Insufficient. Temporarily Supported On Lally Columns</i>								
Ceramic Tile	5%			2040	**	5	\$500	
Quarry Tile	5%			2044	**	5	\$800	
Vinyl Tile	20%			2031	\$54,600	3	\$800	
Vinyl Tile 9" X 9"	20%	Now	\$17,400	2041	**	3	\$800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Second Floor</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Second Floor</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								
Interior Walls								
Cast in Place Concrete	10%	Now	\$10,300	LIFE	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Rear Facade In Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Rear Facade Of Basement</i>								
Ceramic Tile	8%			2040	**	5	\$1,100	
Masonry: Brick	22%			LIFE	**			
Plaster	60%	Now	\$9,900	LIFE	**	5	\$2,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor Locker Room, Television Room, Officers Room And Bunkroom</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Locker Room And East Side Of Officer Bunkroom</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 260
Asset # : 13149

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	20%	4+	\$700	2044	**	5	\$1,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Second Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Second Floor</i>								
Exposed Struc: Concrete	40%	Now	\$118,500	LIFE	**	5	\$600	
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Cellar</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement From Front Apparatus Floor And Below Kitchen</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Cellar</i>								
<i>Other Observation, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Temporary Posts Supporting Apparatus Floor Above</i>								
Plaster	40%	Now	\$12,000	LIFE	**	5	\$2,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Locker Room, Apparatus Floor At Pipe Penetrations, And Basement Stair Case</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Bunker Gear, Side Entry Door, 2nd Floor Locker Room, Office And Bathroom</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$7,400	2051	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Inoperable Gate At 37th Avenue, Broken And Missing Components</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Rear And Side Fence And Posts</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	\$2,200	2036	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 15%</i>								
<i>Location : At Apron By Overhead Door Entrance</i>								
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$3,200	2036	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 10%</i>								
<i>Location : At Rear Gate</i>								
Parking/Driveway								
Cast in Place Concrete	100%	Now	\$3,400	2044	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Side Yard By Cellar Access Hatches</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 260
Asset # : 13149

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2041	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2041	**	5	\$200	
Raceway								
Conduit	80%			2031	\$28,800	1		
Conduit	20%			2041	**	1		
Panelboards								
Molded Case Bkrs	80%			2039	**	5	\$100	
Molded Case Bkrs	20%			2030	\$9,700	5		
Wiring								
Thermoplastic	80%			2041	**	1		
Thermoplastic	20%			2031	\$6,500	1		
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
LED	100%			2039	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : LED Lamps</i>								
Egress Lighting								
Emergency, Battery	10%			2039	**	10	\$200	
No Component	90%							
Exterior Lighting								
HID	15%			2031	\$4,600	10		
LED	15%			2039	**			
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2051	**	1		
Conversion Equipment								
Steam Boiler	100%			2044	**	1	\$6,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 260
Asset # : 13149

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Steam Piping/Pump	100%	0-2	\$2,600	2041	**			
<i>Loose, Extent : Moderate, Area Affected : 90%</i>								
<i>Location : Various Locations</i>								
Terminal Devices								
Convactor/Radiator	100%	0-2	\$1,100	2036	**	1	\$2,000	
<i>Leak Evident, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : At Connections, Various Locations</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2047	**	1		
Conversion Equipment								
Window/Wall Unit	50%	0-2	\$1,300	2026	\$12,500	1		
<i>Not in Service, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations</i>								
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$800	
No Component	80%							
Exhaust Fans								
Roof	20%			2036	**	2		
Wall Unit	30%			2031	\$900	2	\$100	
No Component	50%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : There Is No Exhaust Fan For 2nd Floor Bathroom</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		
Water Heater With Tanks								
Gas Fired	100%			2026	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : There Is Only One 75 Gallon Heater</i>								
Sanitary Piping								
Cast Iron	100%	0-2	\$1,700	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Water Backs Up To Front Side Of Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : There Is No Trap In Girls Bathroom</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 260
Asset # : 13149

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing	Sump Pump(s) Submersible	100%	0-2	\$200	2026	\$200	4	\$100
<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fixtures	Generic	100%						
Fire Suppression	Chemical System No Component Generic	99%			2024	\$800	1-3	\$800
<i>1%</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 261/LADDER CO. 116
Address : 37-20 29th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.261 / 13150 **Yr Built/Renovated** : 1932 /
Area Sq Ft : 6,090 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Mar-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 370 **Lot** : 23 **BIN** : 4004505

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$119,500	\$103,500
Electrical		\$63,500
Total	\$119,500	\$167,000
Importance Code A	\$119,500	\$103,500
Importance Code B		\$63,500
Total	\$119,500	\$167,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$50,900			
Interior Architecture	\$44,600	\$300		\$400
Electrical		\$100	\$17,200	
Mechanical	\$3,600	\$900	\$29,900	\$900
Site Pavements	\$8,700			
Total	\$107,800	\$1,300	\$47,100	\$1,300
Importance Code A	\$51,500	\$600	\$600	\$600
Importance Code B	\$35,900	\$300	\$46,500	\$700
Importance Code C	\$20,400	\$300		
Total	\$107,800	\$1,300	\$47,100	\$1,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 261/LADDER CO. 116
Asset # : 13150

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$119,500	LIFE	**	5	\$14,900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Chimney At Roof</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Side And Rear At Base, Between Parapet To Windows And At Chimney On Roof</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Sides And Rear Of Building</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Base Of Building At Rear</i>								
Masonry: Granite	5%			LIFE	**	5	\$800	
Masonry: Limestone	10%			LIFE	**	5	\$1,600	
Wood Overhead Doors	15%			2048	**	5	\$15,900	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Aparatus Overhead Door</i>								
Windows								
Aluminum	100%	Now	\$29,300	2047	**	5	\$1,000	
<i>Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout Second Floor</i>								
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 2%</i>								
<i>Location : 2nd Floor Corridor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Bunker Room At Window Openings And Basement Rear In Gymnasium</i>								
Parapets								
Masonry: Brick	87%	Now	\$10,200	LIFE	**	5	\$1,600	1
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout Main Roof</i>								
Masonry: Granite	3%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Facade</i>								
<i>Explanation : Granite Crown Molding As Copping</i>								
Masonry: Limestone	10%	0-2	\$1,100	LIFE	**	5	\$200	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Roof								
Modified Bitumen	100%	Now	\$10,400	2031	\$103,500			
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Hatch And Front Of Building</i>								
Interior								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 261/LADDER CO. 116
Asset # : 13150

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	60%	Now	\$9,700	LIFE	**	5	\$12,800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Aparatus Floor Below Trucks</i>								
Ceramic Tile	7%	Now	\$800	2040	**	5	\$300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	33%			2036	**	3	\$1,600	
Interior Walls								
Cast in Place Concrete	10%	Now	\$2,000	LIFE	**			
<i>Water Penetration, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Vault Below Sidewalk At Hatch</i>								
Ceramic Tile	5%			2040	**	5	\$700	
Masonry: Brick	5%	Now	\$2,500	LIFE	**			
<i>Paint Peeling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement And Stair To Basement</i>								
Plaster	70%	Now	\$11,100	LIFE	**	5	\$2,800	
<i>Paint Peeling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Roof Hatch Walls</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Second Floor In Bunker; Officers Rooms And Lintel Above Apparatus Floor</i>								
SGFT/Glazed Masonry	10%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	5%			2044	**	5	\$500	
Exposed Struc: Concrete	33%			LIFE	**	5	\$500	
Plaster	62%	Now	\$17,900	LIFE	**	5	\$3,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apparatus Area By Overhead Door</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apparatus Floor Above Bathroom And At Stairwell</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apparatus Area Over Bathroom</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$3,900	2036	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 29th Street</i>								
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$1,500	2036	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 261/LADDER CO. 116
Asset # : 13150

Architecture	Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

Parking/Driveway

Cast in Place Concrete	100%	2-4	\$3,300	2036				**
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*Broken/Missing Elements, Extent : Light, Area Affected : 15%**Location : Rear Of Driveway**Sinking/Subsiding, Extent : Moderate, Area Affected : 10%**Location : Rear Of Driveway*

Electrical	Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2031	\$14,700	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Main Service Disconnect Switch Rated At 200 Amperes.*

Switchgear / Switchboard

Fused Disc Sw	100%			2031	\$63,500	5		
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Raceway

Conduit	80%			2031	\$28,800	1		
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Conduit	20%			2051	**	1		
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Panelboards

Fused Disc Sw	10%			2030	\$4,800	5		
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Molded Case Bkrs	70%			2030	\$33,900	5	\$100	
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Molded Case Bkrs	20%			2047	**	5		
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Wiring

Thermoplastic	20%			2051	**	1		
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Thermoplastic	80%			2031	\$26,000	1		
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Motor Controllers

Locally Mounted	100%			2029	\$17,800	5		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 261/LADDER CO. 116
Asset # : 13150

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	30%			2026	\$15,500	10	\$1,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor, 2nd Floor Office</i>								
<i>Explanation : T-12 Lamps</i>								
Fluorescent	40%			2031	\$20,700	10	\$2,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement, 1st Floor</i>								
<i>Explanation : T-8 Lamps</i>								
LED	30%			2039	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : LED Lamps</i>								
Egress Lighting Exit, LED	100%			2059	**	1		
Exterior Lighting LED	20%			2031	\$6,400			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2051	**	1		
Conversion Equipment Steam Boiler	100%			2044	**	1	\$6,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution Steam Piping/Pump	100%	0-2	\$1,000	2041	**			
<i>Unbalanced System, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor Is Much Cooler</i>								
Terminal Devices Convactor/Radiator	100%			2029	\$48,600	1	\$2,000	
Air Conditioning								
Energy Source Electricity	100%			2047	**	1		
Conversion Equipment Window/Wall Unit	50%			2026	\$11,300	1		
No Component	50%							
Ventilation								
Distribution Ductwork/Diffusers	50%			LIFE	**	2-5	\$1,700	
No Component	50%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 261/LADDER CO. 116
Asset # : 13150

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
	Exhaust Fans							
	Roof	50%			2036	**	2	\$100
	Wall Unit	20%			2031	\$500	2	
	No Component	30%						
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2041	**	1	
	Water Heater With Tanks							
	Gas Fired	100%			2026	\$16,700	2	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 75 Gallon</i>				
	Sanitary Piping							
	Cast Iron	100%	0-2	\$1,500	LIFE	**	1	
				<i>Blockage /Clogged, Extent : Moderate, Area Affected : 20%</i>				
				<i>Location : Apparatus Floor And Basement</i>				
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2024	\$200	4	\$200
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	No Component	99%						
	Generic	1%			2026	\$800	1-3	\$700
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Kitchen</i>				
				<i>Explanation : 1 Set</i>				

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 262
Address : 30-89 21st STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.262 / 13151 **Yr Built/Renovated** : 1972 /
Area Sq Ft : 9,300 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Feb-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 551 **Lot** : 16 **BIN** : 4006338

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$288,800	
Interior Architecture	\$50,900	\$599,900
Electrical		\$127,000
Mechanical		\$70,600
Total	\$339,800	\$797,400
Importance Code A	\$288,800	\$63,500
Importance Code B	\$50,900	\$733,900
Total	\$339,800	\$797,400

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$82,900		\$3,500	
Interior Architecture	\$81,200	\$1,100		\$200
Electrical		\$100	\$6,200	
Mechanical	\$27,600	\$800	\$23,800	\$1,100
Site Enclosure	\$800			
Site Pavements	\$4,500			
Total	\$196,900	\$2,100	\$33,600	\$1,300
Importance Code A	\$83,300	\$500	\$4,100	\$500
Importance Code B	\$89,200	\$1,600	\$29,500	\$800
Importance Code C	\$24,400			
Total	\$196,900	\$2,100	\$33,600	\$1,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 262
Asset # : 13151

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	65%	Now	\$48,900	LIFE	**	5	\$12,200	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Masonry Relieving Angle At 2nd Floor Level</i>								
Metal Panel	10%			2041	**	5-10	\$12,900	
Metal Sect. OHD	10%	Now	\$66,300	2051	**	5	\$2,900	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Bottom Panel And Glass</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Bottom Of Overhead Door</i>								
Pre-Cast Concrete	15%			LIFE	**	5	\$9,100	
Windows								
Aluminum	100%	Now	\$72,000	2056	**	5	\$800	1
<i>Air Infiltration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : First Floor, Basement</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Windows At Alley</i>								
<i>Explanation : Metal Security Bars Rusted</i>								
Parapets								
Masonry: Brick	45%	2-4	\$5,000	LIFE	**	5	\$800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
<i>Caulking Deteriorated, Extent : Light, Area Affected : 15%</i>								
<i>Location : Main Roof</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
Pre-Cast Concrete	55%			LIFE	**	5	\$6,300	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 262
Asset # : 13151

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Built-Up (BUR)	98%	Now	\$150,500	2041	**			1
<i>Drains Clogged, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Main Roof</i>								
<i>Grvl/Blst Miss/Disp, Extent : Light, Area Affected : 5%</i>								
<i>Location : Main Roof</i>								
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Main Roof</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Lower Roof And Main Roof</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Lower Roof And Main Roof</i>								
Skylight, Plastic	2%	Now	\$29,000	2051	**	1		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof Skylight Covered With Membrane</i>								
<i>Glazing Clouded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof Skylight</i>								
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$11,600	LIFE	**	5	\$15,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Occasional Flooding Through Floor Slab From Hydrostatic Pressure</i>								
Ceramic Tile	10%			2040	**	5	\$1,400	
Quarry Tile	5%			2044	**	5	\$1,000	
Vinyl Tile	10%	4+	\$3,800	2031	\$37,600	3	\$500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Office, Bunk Room And Corridor</i>								
<i>Patching Evident, Extent : Light, Area Affected : 5%</i>								
<i>Location : Office</i>								
Vinyl Tile 9" X 9"	25%			2031	\$599,900	3	\$1,300	
<i>Patching Evident, Extent : Light, Area Affected : 5%</i>								
<i>Location : Corridor</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 262
Asset # : 13151

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	4%	2-4	\$8,200	2034	**	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bathroom Window</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Bathroom Window</i>								
Ceramic Tile	6%			2034	**	5	\$1,100	
Concrete Masonry Unit	10%	4+	\$3,500	LIFE	**	5	\$800	
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Stairwell And Basement</i>								
Plaster	30%	0-2	\$6,800	LIFE	**	5	\$1,700	
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 1st And 2nd Floor Perimeter And Bunk Room Windows</i>								
SGFT/Glazed Masonry	40%			LIFE	**			
Ceilings								
AcousTileConcealSpLn	30%	Now	\$39,400	2051	**	5	\$2,600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor Gymnasium, Locker Room And Dormitory</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 80%</i>								
<i>Location : 2nd Floor Throughout</i>								
Exposed Struc: Concrete	50%	0-2	\$50,900	LIFE	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement Mechanical Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Gypsum Board	5%	2-4	\$600	LIFE	**	5	\$900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen And Lounge</i>								
Plaster	15%	0-2	\$6,200	LIFE	**	5	\$1,300	
<i>Paint Peeling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Second Floor Bathroom</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 1st Floor Bathroom, 2nd Floor Bathroom, Office And Apparatus Floor</i>								
Site Enclosure								
Fence/Gates								
Iron Picket	100%	Now	\$800	2066	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Rear Gate</i>								
Free Standing Walls								
Under Construction	100%							
<i>Other Observation, Extent : N/A, Area Affected : 0%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : Temporary Plywood Wall Installed By Adjacent Property Owner</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 262
Asset # : 13151

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2036		**		
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On-Site Walkways

Cast in Place Concrete	100%	2-4	\$1,000	2036		**		
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 20%**Location : Overhead Door Apron**Loose/Delam Surface, Extent : Light, Area Affected : 5%**Location : Overhead Door Apron*

Parking/Driveway

Cast in Place Concrete	100%	Now	\$3,500	2036		**		
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*Broken/Missing Elements, Extent : Moderate, Area Affected : 15%**Location : Side Yard*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2031	\$63,500	5	\$200	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 400 Ampere Main Disconnect Switch*

Switchgear / Switchboard

Molded Case Bkrs	100%			2031	\$63,500	5	\$200	
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Raceway

Conduit	100%			2031	\$36,000	1		
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Panelboards

Fused Disc Sw	5%			2030	\$2,400	5		
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Molded Case Bkrs	95%			2030	\$46,000	5	\$200	
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Wiring

Thermoplastic	100%			2031	\$32,500	1		
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Motor Controllers

Locally Mounted	100%			2029	\$17,800	5	\$100	
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Ground

Grounding Devices

Generic	100%			LIFE		**	5	\$100
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Lighting

Interior Lighting

Fluorescent	70%			2036		**	10	\$6,000
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement And Second Floor**Explanation : T-8 Lamps*

LED	30%			2039		**		
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Exterior Lighting

LED	20%			2039		**		
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No Component	80%							
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*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 262
Asset # : 13151

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Security System

No Component

95%

Generic

5%

2031

\$900

1

\$200

*Other Observation, Extent : Light, Area Affected : 100%**Location : In Front Of The Building**Explanation : Only Outside*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2041

* *

1

Conversion Equipment

Hot Water Boiler

100%

2036

* *

1

\$4,600

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 1 Unit*

Distribution

Hot Wtr Piping/Pump

100%

2039

* *

4

\$500

Terminal Devices

Convactor/Radiator

95%

2029

\$70,600

1

\$2,900

Unit Heater - Steam

5%

2026

\$2,600

4

Air Conditioning

Energy Source

Electricity

100%

2039

* *

1

Conversion Equipment

Exterior Pkg Unit -

Cooling

20%

0-2

\$12,000

2041

* *

2

\$100

*Abandoned in Place, Extent : Severe, Area Affected : 100%**Location : Roof**Broken, Extent : Severe, Area Affected : 50%**Location : 2nd Floor*

Window/Wall Unit

35%

2026

\$12,000

1

No Component

45%

Ventilation

Distribution

Ductwork/Diffusers

40%

LIFE

* *

2-5

\$2,100

No Component

60%

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FIRE DEPARTMENT - 057
ENGINE CO. 262
Asset # : 13151

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Exhaust Fans								
Interior	20%	0-2	\$1,600	2026	\$8,100	2		
			<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Apparatus Floor</i>					
Roof	30%	0-2	\$5,300	2041	**	2	\$100	
			<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Roof</i>					
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		
Water Heater With Tanks								
Gas Fired	100%			2029	\$16,700	2		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Two 75 Gallon Units</i>					
Sanitary Piping								
Cast Iron	100%	0-2	\$5,700	LIFE	**	1		
			<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Apparatus Floor, Kitchen And Most Of The Bathrooms</i>					
			<i>Leak Evident, Extent : Moderate, Area Affected : 3%</i>					
			<i>Location : 2nd Floor Office Bathroom</i>					
Storm Drain Piping								
Cast Iron	90%			LIFE	**	1		
Cast Iron	10%	0-2	\$1,000	LIFE	**	1		
			<i>Blockage /Clogged, Extent : Moderate, Area Affected : 40%</i>					
			<i>Location : Outdoor Pit Drain Near Basement Mechanical Room</i>					
Sump Pump(s)								
Submersible	100%			2024	\$300	4	\$300	
			<i>Other Observation, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 6 Units</i>					
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2024	\$800	1-3	\$800	

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 263/LADDER CO. 117
Address : 42-06 ASTORIA BOULEVARD
Borough : QUEENS Agency's Number : N/A
Program / Asset # : FIRSECO.263 / 13152 Yr Built/Renovated : 1906 /
Area Sq Ft : 4,408 Project Type : FIRE DEPARTMENT
Date of Survey : 06-Feb-2020 Landmark Status : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 688 Lot : 17 BIN : 4011565

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$445,300	
Interior Architecture	\$269,600	
Mechanical		\$55,300
Total	\$714,900	\$55,300
Importance Code A	\$445,300	
Importance Code B	\$269,600	\$55,300
Total	\$714,900	\$55,300

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$84,400			
Interior Architecture	\$182,900			\$500
Electrical	\$26,000	\$400	\$4,300	\$300
Mechanical	\$17,600	\$600	\$10,700	\$700
Total	\$310,900	\$1,000	\$15,000	\$1,500
Importance Code A	\$84,900	\$400	\$400	\$400
Importance Code B	\$143,500	\$600	\$14,600	\$1,100
Importance Code C	\$82,500			
Total	\$310,900	\$1,000	\$15,000	\$1,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 263/LADDER CO. 117
Asset # : 13152

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$219,400	LIFE	**	5	\$27,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Chimney On Roof</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout, Front Facade Between 2nd And 3rd Floor</i>								
Masonry: Granite	3%			LIFE	**	5	\$900	
Masonry: Limestone	15%	Now	\$45,000	LIFE	**	5	\$4,400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Front Facade</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : North Facade</i>								
Metal Sect. OHD	12%			2044	**	5	\$14,600	
Windows								
Aluminum	100%	Now	\$99,600	2056	**	5	\$1,100	
<i>Condensation Present, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor And Front Offices</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	20%	4+	\$11,900	LIFE	**	5	\$5,200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Crown</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Crown</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>								
<i>Location : At Crown</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Upper Parapet</i>								
<i>Explanation : Exposed Rebar</i>								
Masonry: Brick	80%	0-2	\$66,500	LIFE	**	5	\$2,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Parapet</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Exterior Parapet</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Interior Parapet</i>								
<i>Painted Surfaces, Extent : Light, Area Affected : 100%</i>								
<i>Location : Upper Parapet</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 263/LADDER CO. 117
Asset # : 13152

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	95%	Now	\$59,800	2036		**		
<i>Alligatoring, Extent : Light, Area Affected : 10%</i>								
<i>Location : Upper Roof</i>								
<i>Blisters, Extent : Light, Area Affected : 5%</i>								
<i>Location : Upper Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At All Penetrations</i>								
Skylight, Metal/Glass	5%	Now	\$20,200	2041		**		1
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$66,300	LIFE		**	5	\$17,500
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Floor On Ladder Side</i>								
<i>Explanation : Structurally Inadequate</i>								
Ceramic Tile	10%	2-4	\$22,000	2034		**	5	\$1,000
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Ladder Company 117 Bathrooms And Showers</i>								
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Ladder Company 117 Bathrooms And Showers</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Ladder Company 117 Bathrooms And Showers</i>								
Quarry Tile	10%			2044		**	5	\$3,000
Vinyl Tile	20%	Now	\$10,800	2036		**	3	\$1,500
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
Wood	20%	Now	\$46,500	2046		**	5	\$3,700
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 3rd Floor Gymnasium, And Stair Landings</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 263/LADDER CO. 117
Asset # : 13152

Architecture		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	10%	Now	\$29,500	2034	* *	5	\$1,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Third Floor Bathrooms</i>								
Masonry: Brick	20%	0-2	\$20,400	LIFE	* *			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Cellar</i>								
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Cellar</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 25%</i>								
<i>Location : Cellar</i>								
Plaster	50%	Now	\$32,600	LIFE	* *	5	\$4,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement Engine Side, 3rd Floor Rear, Baths And Scuttle To Roof</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Rear 3rd Floor Offices</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Bunk Room East Wall At Window, Bathroom Window Openings And Scuttle To Roof</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 80%</i>								
<i>Location : 3rd Floor Around Roof Scuttle</i>								
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Scuttle To Roof</i>								
<i>Explanation : Exposed Rebar</i>								
SGFT/Glazed Masonry	20%			LIFE	* *			

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FIRE DEPARTMENT - 057
ENGINE CO. 263/LADDER CO. 117
Asset # : 13152

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	15%	0-2	\$4,900	2036	**	5	\$1,500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor At Lockers And Bathrooms, Kitchen</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor At Lockers And Bathrooms</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor At Lockers And Bathrooms</i>								
Embossed Metal	15%	4+	\$4,400	LIFE	**	5	\$1,300	
<i>Bent/Warped Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apparatus Room Throughout</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Room</i>								
Exposed Struc: Concrete	15%	Now	\$109,500	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Basement Throughout</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Exposed Struc: Steel	20%	2-4	\$93,700	LIFE	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	35%	Now	\$10,400	LIFE	**	5	\$4,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 3rd Floor Roof Scuttle Throughout</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Roof Scuttle</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2031	\$14,700	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>								
Raceway								
Conduit	100%			2031	\$36,000	1		
Panelboards								
Fused Disc Sw	5%			2030	\$2,400	5		
Molded Case Bkrs	95%			2030	\$46,000	5	\$100	

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FIRE DEPARTMENT - 057
ENGINE CO. 263/LADDER CO. 117
Asset # : 13152

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
Wiring								
	Braided Cloth	40%	2-4	\$13,000	2056	**	1	
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
	Thermoplastic	40%			2031	\$13,000	1	
	Thermoplastic	20%			2041	**	1	
Motor Controllers								
	Locally Mounted	100%			2029	\$17,800	5	
Ground								
Grounding Devices								
	Generic	100%	0-2	\$10,200	LIFE	**	5	\$100
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Water Main Basement</i>								
<i>Explanation : Corroded.</i>								
Stand-by Power								
Transfer Switches								
	Automatic	100%			2036	**	1	\$1,400
Generators								
	Diesel	100%			2034	**	1	\$1,700
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 60 Kilowatts</i>								
Batteries								
	Lead/Acid	100%			2024	\$2,400	5	\$200
Fuel Storage								
	Day Tank	50%			2039	**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 60 Gallons</i>								
	Main Tank	50%			2034	**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 550 Gallons</i>								
Lighting								
Interior Lighting								
	Fluorescent	65%			2031	\$24,300	10	\$2,600
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement And Second Floor</i>								
<i>Explanation : T-8 Lamps</i>								
	Incandescent	5%			2031	\$2,700	2	
	LED	30%			2039	**		
Exterior Lighting								
	HID	20%			2026	\$4,000	10	
	No Component	80%						

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FIRE DEPARTMENT - 057
ENGINE CO. 263/LADDER CO. 117
Asset # : 13152

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2051	**	1		
Conversion Equipment								
Steam Boiler	100%			2044	**	1	\$4,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Steam Piping/Pump	100%	Now	\$700	2041	**			
<i>Corroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Return Line In Basement</i>								
<i>Leak Evident, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Supply Line In Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : There Is Only One Thermostat In The Building</i>								
Terminal Devices								
Convactor/Radiator	100%	Now	\$700	2029	\$35,200	1	\$1,300	
<i>Leak Evident, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 2nd Floor Engine Company Office</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Split Unit	15%	0-2	\$4,600	2031	\$15,300			
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen And Engine Side 1st Floor Back Room</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 2 Units.</i>								
Window/Wall Unit	40%	0-2	\$3,900	2031	\$6,500	1		
<i>Malfunctioning, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : 2nd And 3rd Floors</i>								
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd And 3rd Floors</i>								
Window/Wall Unit	10%			2026	\$1,600	1		
No Component	35%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$500	
No Component	80%							

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FIRE DEPARTMENT - 057
ENGINE CO. 263/LADDER CO. 117
Asset # : 13152

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
Exhaust Fans								
Roof	20%			2039	**	2		
Wall Unit	20%	0-2	\$400	2041	**	2		
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Apparatus Floor</i>						
		<i>Explanation : 2 Extended Life Time And Inefficient Units</i>						
No Component	60%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2031		\$55,300	1	
Water Heater With Tanks								
Gas Fired	50%			2026		\$8,300	2	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit 74 Gallon</i>						
Gas Fired	50%			2030		\$8,300	2	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit 74 Gallon</i>						
Sanitary Piping								
Cast Iron	30%	Now	\$4,900	LIFE	**	1		
		<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Kitchen And Toilets</i>						
		<i>Corroded, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Basement</i>						
		<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : 3rd Floor Truck Side Rear Shower Tub, 2nd Floor Rear Bathroom And Girls Bathroom</i>						
Cast Iron	70%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	30%	Now	\$900	LIFE	**	1		
		<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Water Backs Up In Basement</i>						
		<i>Corroded, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Basement</i>						
Cast Iron	70%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2024		\$100	4	\$100
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2024		\$800	1-3	\$800

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 265/LADDER CO. 121 / EMS STATION 47
Address : 303 BEACH 49 STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.265 / 13154 **Yr Built/Renovated** : 2004 /
Area Sq Ft : 18,010 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Feb-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2,3
Block : 15926 **Lot** : 44 **BIN** : 4302052

CAPITAL		FY 2024 - 2027	FY 2028 - 2033
Mechanical			\$125,800
Total			\$125,800
Importance Code B			\$125,800
Total			\$125,800

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$17,000	\$26,300		\$12,500
Interior Architecture	\$37,000	\$1,700	\$1,300	
Electrical	\$11,400	\$1,500	\$4,000	\$17,900
Mechanical	\$7,100	\$2,300	\$3,100	\$1,500
Site Enclosure	\$4,000			
Site Pavements	\$6,400			
Total	\$82,900	\$31,800	\$8,400	\$31,900
Importance Code A	\$17,900	\$27,200	\$900	\$13,400
Importance Code B	\$51,600	\$4,600	\$6,900	\$18,400
Importance Code C	\$13,400		\$600	
Total	\$82,900	\$31,800	\$8,400	\$31,900



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FIRE DEPARTMENT - 057
ENGINE CO. 265/LADDER CO. 121 / EMS STATION 47
Asset # : 13154

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	1%			2052	**	10	\$100	
Concrete Masonry Unit	25%			LIFE	**	5	\$6,900	
Exposed Struc: Steel	4%			LIFE	**	5	\$5,500	
Masonry: Brick	55%			LIFE	**	5	\$24,300	
Metal Sect. OHD	10%			2045	**	5	\$13,800	
Window Wall	5%			2052	**	5	\$8,300	
Windows								
Aluminum	95%			2048	**	5	\$2,900	
Metal Louvers	5%			2041	**	10	\$1,000	
Parapets								
Concrete Masonry Unit	25%			LIFE	**	5	\$1,200	
Masonry: Brick	60%			LIFE	**	5	\$2,600	
Metal Panel	5%			2052	**	5	\$900	
Metal Rail	10%			2045	**	5-10	\$8,000	
Roof								
Metal Panel	25%			2045	**	10	\$14,600	
Modified Bitumen	50%	Now	\$17,000	2037	**			
								<i>Blisters, Extent : Moderate, Area Affected : 5%</i>
								<i>Location : Removed Skylight</i>
								<i>Vegetation Growth, Extent : Moderate, Area Affected : 1%</i>
								<i>Location : Roof Drain</i>
								<i>Water Penetration, Extent : Light, Area Affected : 15%</i>
								<i>Location : Over The Second Floor</i>
Modified Bitumen	25%			2037	**	10	\$7,900	
								<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>
								<i>Location : Over The Second Floor</i>
								<i>Explanation : Concrete Pavers</i>
Soffits								
Cast in Place Concrete	100%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	70%	Now	\$31,400	LIFE	**	5	\$41,300	
								<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>
								<i>Location : 2nd Floor Mechanical Room</i>
Ceramic Tile	5%			2041	**	5	\$1,300	
Quarry Tile	5%			2045	**	5	\$2,000	
Vinyl Tile	20%			2037	**	3	\$2,000	

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FIRE DEPARTMENT - 057
ENGINE CO. 265/LADDER CO. 121 / EMS STATION 47
Asset # : 13154

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Interior									
Interior Walls									
Ceramic Tile	5%			2041	**	5	\$1,200		
Concrete Masonry Unit	30%			LIFE	**	5	\$3,000		
Gypsum Board	45%	Now	\$3,100	LIFE	**	5	\$6,700		
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>									
<i>Location : Throughout</i>									
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>									
<i>Location : 2nd Floor And Corridors</i>									
Masonry: Brick	5%			LIFE	**				
SGFT/Glazed Masonry	10%			LIFE	**				
Wood	5%			LIFE	**	5	\$5,000		
Ceilings									
AcousTileSusp.Lay-In	30%	Now	\$2,600	2045	**	5	\$4,000		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>									
<i>Location : Throughout</i>									
<i>Staining/Discoloring, Extent : Light, Area Affected : 1%</i>									
<i>Location : Throughout</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>									
<i>Location : 1st Floor Emergency Medical Services Offices</i>									
Exposed Struc: Steel	60%			LIFE	**				
Gypsum Board	10%			LIFE	**	5	\$3,400		
Site Enclosure									
Fence/Gates									
Chain Link	50%			2052	**				
Iron Picket	50%	Now	\$2,000	2067	**				
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 30%</i>									
<i>Location : Throughout</i>									
Free Standing Walls									
Concrete Masonry Unit	100%	Now	\$2,000	2052	**				
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Along 48th Street</i>									
<i>Other Observation, Extent : Light, Area Affected : 5%</i>									
<i>Location : Masonry Free Standing Wall</i>									
<i>Explanation : Decorative Steel Detailing Above Needs Reanchoring</i>									
Site Pavements									
Public Sidewalk									
Cast in Place Concrete	100%			2052	**				
On-Site Walkways									
Cast in Place Concrete	100%	Now	\$6,400	2045	**				
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Rear Parking Lot</i>									
Parking/Driveway									
Asphalt	80%			2047	**				
Cast in Place Concrete	20%			2052	**				

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FIRE DEPARTMENT - 057
ENGINE CO. 265/LADDER CO. 121 / EMS STATION 47
Asset # : 13154

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment Fused Disc Sw	100%			2052	**	5	\$100	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 400 Amperes.</i>								
Switchgear / Switchboard Fused Disc Sw	100%			2052	**	5	\$100	
Raceway Conduit	100%			2052	**	1		
Panelboards Fused Disc Sw	10%			2048	**	5		
Molded Case Bkrs	90%			2048	**	5	\$400	
Wiring Thermoplastic	100%			2052	**	1		
Motor Controllers Locally Mounted	100%			2045	**	5	\$100	
Ground								
Grounding Devices Generic	100%	0-2	\$10,200	LIFE	**	5	\$300	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Water Meter Room</i>								
Stand-by Power								
Transfer Switches Automatic	100%			2045	**	1	\$5,500	
Generators Diesel	100%			2041	**	1	\$7,000	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : Emergency Generator Rated At 80 Kilovolt Amperes.</i>								
Batteries Lead/Acid	100%			2026	\$2,400	5	\$700	
Fuel Storage Main Tank	100%			2060	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : 60 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting Fluorescent	100%			2037	**	10	\$16,500	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Egress Lighting Emergency, Service	50%			2037	**	1		
Exit, LED	50%			2060	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 265/LADDER CO. 121 / EMS STATION 47
Asset # : 13154

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Exterior Lighting								
HID	30%			2037	**	10		
No Component	70%							
Lightning Protection								
Arresters/Cabling								
Generic	100%			2060	**	5	\$300	
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2052	**	1		
Conversion Equipment								
Furnace	15%			2040	**	1	\$1,300	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 2 Rooftop Package Units</i>						
Furnace	25%			2032	\$13,700	1	\$2,200	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 4 Rooftop Units</i>						
Hot Water Boiler	60%			2045	**	1	\$5,300	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : 1st Floor Boiler Room</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Hot Wtr Piping/Pump	60%			2048	**	4	\$800	
No Component	40%							
Terminal Devices								
Air Handler	15%			2032	\$49,700	1	\$1,700	
Convector/Radiator	15%			2037	**	1	\$900	
Unit Heater - Steam	30%			2032	\$30,000	4	\$700	
No Component	40%							
Air Conditioning								
Energy Source								
Electricity	100%			2048	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 265/LADDER CO. 121 / EMS STATION 47
Asset # : 13154

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Reciprocating Compr/Chiller	20%			2032	\$51,900	1	\$1,700
				<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i> <i>Location : 2nd Floor Mechanical Room</i>				
	Ext Pkg Unit - Heating/Cooling	25%			2032	\$73,900	2	\$300
				<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i> <i>Location : 4 Rooftop Package Units</i>				
	Ext Pkg Unit - Heating/Cooling	15%			2040	**	2	\$200
				<i>Other Observation, Extent : N/A, Area Affected : 100%</i> <i>Location : Roof</i> <i>Explanation : 2 Units. R-410a</i>				
	No Component	40%						
Terminal Devices								
	Air Handler/Dir Expansion	20%			2032	\$40,500	1	
	No Component	80%						
Heat Rejection								
	Air Cooled Condenser Unit	20%			2032	\$6,100	2	\$2,500
	No Component	80%						
Ventilation								
Distribution								
	Ductwork/Diffusers	70%			LIFE	**	2-5	\$7,000
	No Component	30%						
Exhaust Fans								
	Interior	15%			2032	\$11,700	2	\$100
	Roof	50%			2032	\$17,100	2	\$300
	No Component	35%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2052	**	1	
Water Heater With Tanks								
	Gas Fired	100%			2030	\$16,700	2	
				<i>Other Observation, Extent : N/A, Area Affected : 100%</i> <i>Location : Boiler Room</i> <i>Explanation : Two 100 Gallon Units</i>				
Sanitary Piping								
	Cast Iron	100%	0-2	\$4,400	LIFE	**	1	
				<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i> <i>Location : Apparatus Floor, Kitchen And 2nd Floor Bathroom</i>				
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Backflow Preventer								
	Generic	100%			2032	\$7,900	1	\$1,100

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FIRE DEPARTMENT - 057
ENGINE CO. 265/LADDER CO. 121 / EMS STATION 47
Asset # : 13154

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
Fixtures								
Generic		100%						
Fire Suppression								
Chemical System								
No Component		99%						
Generic		1%			2025	\$800	1-3	\$700
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 266
Address : 92-20 ROCKAWAY BEACH BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.266 / 13155 **Yr Built/Renovated** : 1922 / 2009
Area Sq Ft : 11,960 **Project Type** : FIRE DEPARTMENT
Date of Survey : 24-May-2019 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 16127 **Lot** : 1 **BIN** : 4439014

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$309,200	\$134,800
Interior Architecture	\$66,900	\$98,600
Electrical		\$63,500
Mechanical		\$179,700
Total	\$376,100	\$476,600
Importance Code A	\$309,200	\$134,800
Importance Code B	\$66,900	\$341,800
Total	\$376,100	\$476,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$48,100	\$6,900		
Interior Architecture	\$77,200			\$900
Electrical	\$13,700	\$1,100	\$900	\$900
Mechanical	\$11,400	\$37,100	\$1,800	\$1,700
Site Enclosure	\$10,000			
Site Pavements	\$104,600			
Total	\$265,000	\$45,100	\$2,800	\$3,500
Importance Code A	\$49,300	\$8,200	\$1,200	\$1,200
Importance Code B	\$60,200	\$37,000	\$1,600	\$2,300
Importance Code C	\$155,500			
Total	\$265,000	\$45,100	\$2,800	\$3,500



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FIRE DEPARTMENT - 057
ENGINE CO. 266
Asset # : 13155

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	25%	Now	\$55,800	LIFE	**	5	\$6,900	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 30%</i>								
<i>Location : All Facades</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Northwest Facade</i>								
Masonry: Granite	5%			LIFE	**	5	\$1,000	
Masonry: Limestone	5%			LIFE	**	5	\$1,000	
<i>Staining/Discoloring, Extent : Light, Area Affected : 2%</i>								
<i>Location : Underside Of Cornice, Front Facade.</i>								
Stucco Cement	55%	Now	\$253,400	2043	**	5	\$19,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Side And Rear Walls</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Side And Rear Facades Into Interior</i>								
Wood Overhead Doors	10%			2035	**	5	\$13,900	
Windows								
Aluminum	100%	Now	\$7,100	2046	**	5	\$1,500	
<i>Hardware Missing, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Weather Strip Missing, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Parapets								
Pre-Cast Concrete	10%	Now	\$600	LIFE	**	5	\$2,300	
<i>Vegetation Growth, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Coping Stones</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Coping Stopes</i>								
Stucco Cement	90%			2043	**	5	\$8,300	
Roof								
Modified Bitumen	75%	Now	\$40,400	2030	\$101,100			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Flashing Misaligned Along Parapet On Roof Access Hatch Side.</i>								
<i>Ponding, Extent : Light, Area Affected : 5%</i>								
<i>Location : Third Floor Roof</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Through 3rd Floor</i>								
Modified Bitumen	25%			2030	\$33,700	10	\$3,200	
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 266
Asset # : 13155

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$66,900	LIFE	**	5	\$17,600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Basement</i>								
<i>Explanation : Exposed Rebars</i>								
Ceramic Tile	10%			2033	\$98,600	5	\$1,800	
Quarry Tile	5%	0-2	\$1,300	2035	**	5	\$700	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	40%	Now	\$3,900	2035	**	3	\$2,700	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Kitchen And Dining Area</i>								
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	10%	Now	\$13,200	2043	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Kitchen, Toilets</i>								
Masonry: Brick	5%	Now	\$11,400	LIFE	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement, Throughout.</i>								
Plaster	55%	Now	\$16,100	LIFE	**	5	\$4,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Deteriorated Finish, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	30%	Now	\$13,000	LIFE	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Apparatus Floor</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Apparatus Floor</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 266
Asset # : 13155

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	5%	Now	\$8,700	2050	**	5	\$400	
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Kitchen</i>								
Metal Panel	5%			LIFE	**	5	\$1,100	
Plaster	90%	Now	\$9,600	LIFE	**	5	\$10,100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Second Floor Locker Room</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Apparatus Area</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : 2nd And 3rd Floor</i>								
Site Enclosure								
Fence/Gates								
Chain Link	70%	Now	\$10,000	2050	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Gate</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Side Yard</i>								
Chain Link	30%			2050	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	50%			2043	**			
Cast in Place Concrete	50%	Now	\$12,800	2050	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Disota Road</i>								
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$26,700	2050	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Side Yard</i>								
Parking/Driveway								
Asphalt	80%	Now	\$48,500	2045	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Rear Parking Area</i>								
Cast in Place Concrete	20%	Now	\$16,600	2050	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Rear Parking Area</i>								
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

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FIRE DEPARTMENT - 057
ENGINE CO. 266
Asset # : 13155

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2030	\$14,700	5	\$100	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : No Available Nameplate Rating Capacity</i>					
Switchgear / Switchboard								
Molded Case Bkrs	100%			2030	\$63,500	5	\$300	
Raceway								
Conduit	60%			2030	\$21,600	1		
Conduit	40%			2050	**	1		
Panelboards								
Molded Case Bkrs	60%			2029	\$29,100	5	\$200	
Molded Case Bkrs	40%			2046	**	5	\$100	
Wiring								
Thermoplastic	40%			2050	**	1		
Thermoplastic	60%			2030	\$19,500	1		
Ground								
Grounding Devices								
Generic	100%	2-4	\$10,200	LIFE	**	5	\$200	
			<i>Corroded, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Pit</i>					
Stand-by Power								
Transfer Switches								
Automatic	100%			2043	**	1	\$3,700	
Generators								
Diesel	100%			2039	**	1	\$4,600	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Backyard</i>					
			<i>Explanation : 80 Kilovolt-ampere Nameplate Rating Capacity</i>					
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$400	
Fuel Storage								
Main Tank	100%			2058	**	5		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Backyard</i>					
			<i>Explanation : 60 Gallons Nameplate Rating Capacity</i>					
Lighting								
Interior Lighting								
LED	100%			2038	**			
Exterior Lighting								
HID	20%			2030	\$10,900	10		
No Component	80%							
Alarm								

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FIRE DEPARTMENT - 057
ENGINE CO. 266
Asset # : 13155

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Security System

No Component

90%

Generic

10%

2038

* *

1

\$500

*Other Observation, Extent : Light, Area Affected : 100%**Location : Front Of The Building**Explanation : CCTV Surveillance Camera*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2040

* *

1

Conversion Equipment

Steam Boiler

100%

2043

* *

1

\$11,800

Distribution

Steam Piping/Pump

10%

0-2

\$1,900

2040

* *

*Corroded, Extent : Moderate, Area Affected : 40%**Location : Basement**Other Observation, Extent : Moderate, Area Affected : 100%**Location : 2nd Floor Captain Office**Explanation : There Is Only One Thermostat In The Building*

Steam Piping/Pump

90%

2030

\$84,200

Terminal Devices

Convactor/Radiator

10%

0-2

\$500

2028

\$9,600

1

\$400

*Corroded, Extent : Light, Area Affected : 20%**Location : All Floors*

Convactor/Radiator

90%

2028

\$86,000

1

\$3,500

Air Conditioning

Energy Source

Electricity

100%

2038

* *

1

Conversion Equipment

Split Unit

5%

2030

\$13,900

Window/Wall Unit

50%

0-2

\$1,100

2025

\$22,100

1

*Other Observation, Extent : Moderate, Area Affected : 5%**Location : Lunch Room**Explanation : Too Hot In Lunch Room, One More Unit Needed.*

No Component

45%

Terminal Devices

Fan Coil - 2 Pipe

5%

2030

\$9,800

1

\$200

No Component

95%

Heat Rejection

Air Cooled Condenser

5%

2030

\$900

2

\$400

Unit

No Component

95%

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 266
Asset # : 13155

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Dehumidifier								
No Component	75%							
Generic	25%			2034	**			
Ventilation								
Distribution								
Ductwork/Diffusers	10%	0-2	\$1,000	LIFE	**	2-5	\$700	
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Generator Exhaust</i>								
No Component	90%							
Exhaust Fans								
Wall Unit	25%	2-4	\$1,300	2040	**	2	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor And Kitchen</i>								
<i>Explanation : 3 Old Units</i>								
No Component	75%							
Plumbing								
H/C Water Piping								
Brass/Copper	10%	0-2	\$300	2040	**	1		
<i>Not Insulated, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Brass/Copper	90%			2040	**	1		
Water Heater With Tanks								
Electric	20%			2028	\$4,600	4		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Solar Heater</i>								
Gas Fired	80%			2025	\$13,300	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%	0-2	\$2,900	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor East Side Of The Building</i>								
<i>Corroded, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Basement</i>								
<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor To Apparatus Floor</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2024	\$400	4	\$400	
Fixtures								
Generic	100%							
<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor Restroom</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 266
Asset # : 13155

Mechanical	Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%	0-2	\$300	2030	\$800	1-3	\$700	

Other Observation, Extent : Moderate, Area Affected : 100%

Location : Kitchen

Explanation : 1 Obsolete Unit

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 271/LADDER CO. 124
Address : 392 HIMROD STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.271 / 13158 **Yr Built/Renovated** : 1908 / 2008
Area Sq Ft : 13,108 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-Jun-2019 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3281 **Lot** : 22 **BIN** : 3074885

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$339,400	\$142,200
Interior Architecture	\$181,500	\$439,800
Electrical		\$228,200
Site Pavements		\$91,800
Total	\$520,900	\$901,900
Importance Code A	\$339,400	\$142,200
Importance Code B	\$181,500	\$598,200
Importance Code C		\$161,500
Total	\$520,900	\$901,900

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$207,000	\$7,800		
Interior Architecture	\$118,500			\$600
Electrical	\$9,100	\$1,100	\$900	\$900
Mechanical	\$22,200	\$62,300	\$3,100	\$2,000
Site Enclosure	\$4,400			
Site Pavements	\$1,400			
Total	\$362,600	\$71,100	\$4,000	\$3,500
Importance Code A	\$208,300	\$9,100	\$1,300	\$1,300
Importance Code B	\$93,300	\$62,100	\$2,700	\$2,300
Importance Code C	\$61,100			
Total	\$362,600	\$71,100	\$4,000	\$3,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 271/LADDER CO. 124
Asset # : 13158

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	62%	Now	\$339,400	LIFE	**	5	\$19,200	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout.</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	5%	2-4	\$13,100	LIFE	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : Front Facade At Grade Level</i>								
Masonry: Limestone	15%			LIFE	**	5	\$3,500	
Metal Panel	3%	Now	\$6,600	2060	**	5	\$1,700	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Hose Tower</i>								
<i>Deformed/Dented, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Hose Tower</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Hose Tower</i>								
Stucco Cement	5%	Now	\$28,200	2035	**	5	\$1,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Front Facade At Roof And Parapet Level</i>								
Wood Overhead Doors	10%			2035	**	5	\$15,500	
Windows								
Aluminum	100%	Now	\$32,600	2038	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Toilet Room Third Floor</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	15%			LIFE	**	5	\$2,200	
Masonry: Brick	80%	Now	\$41,500	LIFE	**	5	\$1,500	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Facade On West Parapet</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Front Façade / West Parapet</i>								
<i>Spalling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Pre-Cast Concrete	5%	Now	\$4,200	LIFE	**	5	\$600	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : Located At Front Facade.</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Located At Front Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Located At Front Facade.</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 271/LADDER CO. 124
Asset # : 13158

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Built-Up (BUR)	90%	Now	\$42,700	2030	\$142,200			
<i>Blisters, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout.</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 3rd Floor Lounge And Workout Room.</i>								
Skylight, Metal/Glass	10%	Now	\$38,000	2040	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Main Roof And Stair Bulkhead</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Upper And Lower Roofs</i>								
Soffits								
Wood	100%			2035	**	5		
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$70,600	LIFE	**	5	\$16,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor And Basement.</i>								
Ceramic Tile	5%	Now	\$2,600	2033	\$52,000	5	\$400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Laundry Room And Bathroom</i>								
Quarry Tile	5%	Now	\$1,400	2035	**	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	30%	Now	\$30,600	2030	\$152,900	3	\$1,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd And 3rd Floors</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd And 3rd Floors</i>								
Wood	15%	Now	\$16,500	2033	\$165,100	5	\$2,400	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 3rd Floor</i>								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 271/LADDER CO. 124
Asset # : 13158

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	5%	Now	\$3,500	2033	\$69,800	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Apparatus Room And Stair</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room And Stair</i>								
Gypsum Board	10%			LIFE	**	5	\$1,400	
Masonry: Brick	20%	Now	\$19,300	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement Foundation Wall</i>								
Plaster	30%	Now	\$3,700	LIFE	**	5	\$2,100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Bunk Room And Toilet Room On The Truck Side.</i>								
SGFT/Glazed Masonry	25%	Now	\$28,500	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
Wood	10%	Now	\$1,400	LIFE	**	5	\$9,500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Staircase By The Engine Chief Side Was Missing Balusters.</i>								
Ceilings								
AcousTileSusp.Lay-In	10%	Now	\$1,500	2035	**	5	\$900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 20%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st And 2nd Floors</i>								
Embossed Metal	50%	Now	\$5,600	LIFE	**	5	\$3,900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 8%</i>								
<i>Location : Throughout 1st Floor</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Steel	5%	Now	\$110,900	LIFE	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Basement Both Sides.</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Temporary Support In Place Due To Cracking</i>								
Plaster	35%	Now	\$3,900	LIFE	**	5	\$3,800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : 3rd Floor Workout Room.</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 3rd Floor Workout Room And 2nd Floor Bunk Room.</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	4+	\$500	2040	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Side Yard</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 271/LADDER CO. 124
Asset # : 13158

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Enclosure								
Free Standing Walls								
Concrete Masonry Unit	100%	Now	\$3,800	2040		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Property Line</i>								
Retaining Walls								
Cast in Place Concrete	100%			2050		**		
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	\$1,200	2043		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : At Entrance</i>								
On-Site Walkways								
Cast in Place Concrete	100%			2043		**		
Parking/Driveway								
Asphalt	90%			2033	\$91,800			
Cast in Place Concrete	10%	4+	\$300	2043		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Ramp</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2030	\$16,200	5	\$100	
Switchgear / Switchboard								
Molded Case Bkrs	100%			2030	\$69,700	5	\$300	
Raceway								
Conduit	100%			2040		**	1	
Panelboards								
Molded Case Bkrs	80%			2029	\$42,600	5	\$300	
Molded Case Bkrs	20%			2046		**	5	\$100
Wiring								
Thermoplastic	100%			2040		**	1	
Ground								
Grounding Devices								
Generic	100%			LIFE		**	5	\$200
Stand-by Power								
Transfer Switches								
Automatic	100%			2043		**	1	\$4,000
Generators								
Diesel	100%			2039		**	1	\$5,100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside Yard</i>								
<i>Explanation : 73 Kilowatt</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 271/LADDER CO. 124
Asset # : 13158

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power Batteries								
Lead/Acid	100%			2024	\$2,600	5	\$500	
Fuel Storage Day Tank								
	50%			2046	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 130 Gallon</i>								
Main Tank								
	50%			2058	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 550 Gallon</i>								
Lighting								
Interior Lighting Fluorescent								
	85%			2030	\$103,700	10	\$10,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent								
	10%			2030	\$12,200	10	\$1,200	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent								
	5%	Now	\$5,200	2040	**	2		
<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement, Electrical Service Side</i>								
Exterior Lighting HID								
	50%			2035	**	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Perimeter</i>								
<i>Explanation : Operated Via Photocell</i>								
No Component								
	50%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas								
	100%			2050	**	1		
Conversion Equipment Furnace								
	1%			2030	\$400	1	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Engine Bay</i>								
<i>Explanation : Gas Fired Unit Heater</i>								
Steam Boiler								
	99%			2035	**	1	\$12,900	
Distribution Steam Piping/Pump								
	100%			2040	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 271/LADDER CO. 124

Asset # : 13158

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Terminal Devices								
Convactor/Radiator	100%	Now	\$2,300	2035	**	1	\$3,800	
	<i>Controller Not Working, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Radiator Controls Are Not Working Throughout The Building</i>							
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		
Conversion Equipment								
Window/Wall Unit	70%			2025	\$37,300	1		
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$7,300	
Exhaust Fans								
Roof	40%			2030	\$10,900	2	\$200	
Wall Unit	60%			2030	\$3,600	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2050	**	1		
Water Heater With Tanks								
Gas Fired	100%			2025	\$18,300	2		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Two 75 Gallon Units</i>							
Sanitary Piping								
Cast Iron	100%	Now	\$17,700	LIFE	**	1		
	<i>Blockage /Clogged, Extent : Severe, Area Affected : 30%</i>							
	<i>Location : Basement When It Rains</i>							
	<i>Leak Evident, Extent : Severe, Area Affected : 10%</i>							
	<i>Location : 2nd Floor Bathroom On The Ladder Company Side Of Building</i>							
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2024	\$400	4	\$400	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	95%							
Generic	5%			2025	\$4,400	1-3	\$3,700	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

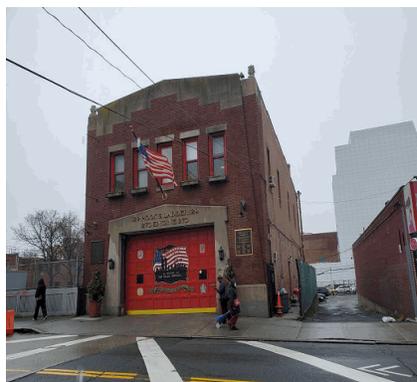
Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 273/LADDER CO. 129
Address : 40-18 UNION STREET @ LIRR
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.273 / 13159 **Yr Built/Renovated** : 1931 / 2011
Area Sq Ft : 5,508 **Project Type** : FIRE DEPARTMENT
Date of Survey : 13-Mar-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5019 **Lot** : 66 **BIN** : 4113561

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$84,400	
Interior Architecture	\$135,500	
Total	\$220,000	
Importance Code A	\$84,400	
Importance Code B	\$135,500	
Total	\$220,000	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$33,100		\$12,700	
Interior Architecture	\$9,100	\$400		\$300
Electrical			\$2,600	
Mechanical	\$3,400	\$800	\$5,000	\$900
Site Enclosure	\$5,300			
Site Pavements	\$18,300			
Total	\$69,200	\$1,300	\$20,300	\$1,200
Importance Code A	\$33,700	\$500	\$13,300	\$500
Importance Code B	\$14,300	\$500	\$7,000	\$600
Importance Code C	\$21,200	\$200		
Total	\$69,200	\$1,300	\$20,300	\$1,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 273/LADDER CO. 129
Asset # : 13159

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	3%	4+	\$12,500	LIFE	**	5	\$2,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Along Railroad</i>								
Cast in Place Concrete	4%			LIFE	**	5	\$3,600	
Masonry: Brick	74%			LIFE	**	5	\$13,200	
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : North And West Façade</i>								
Masonry: Granite	1%			LIFE	**	5	\$100	
Masonry: Limestone	9%	4+	\$12,400	LIFE	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Around Overhead Door</i>								
Wood Overhead Doors	9%			2036	**	5	\$8,000	
Windows								
Aluminum	100%	0-2	\$84,400	2039	**	5	\$900	
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	75%	4+	\$4,200	LIFE	**	5	\$1,700	
<i>Efflorescence, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout Parapet</i>								
Masonry: Limestone	15%	2-4	\$4,100	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Parapete Coping Along Railroad</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Along Union Street</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 25%</i>								
<i>Location : Along Union Street</i>								
Pre-Cast Concrete	10%			LIFE	**	5	\$1,400	
Roof								
Modified Bitumen	100%			2036	**	10	\$8,700	
<i>Ponding, Extent : Light, Area Affected : 5%</i>								
<i>Location : Roof By HVAC Unit</i>								
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Roof</i>								
Interior								
Floors								
Cast in Place Concrete	60%	2-4	\$8,200	LIFE	**	5	\$10,800	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%			2040	**	5	\$400	
Quarry Tile	5%			2044	**	5	\$600	
Vinyl Tile	30%			2039	**	3	\$1,200	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 273/LADDER CO. 129
Asset # : 13159

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	4%			2040	**	5	\$500	
Gypsum Board	15%			LIFE	**	5	\$1,100	
Masonry: Brick	14%			LIFE	**			
Plaster	45%			LIFE	**	5	\$1,600	
SGFT/Glazed Masonry	20%			LIFE	**			
Wood	2%			LIFE	**	5	\$900	
Ceilings								
AcousTileSusp.Lay-In	5%			2044	**	5	\$500	
Exposed Struc: Concrete	50%	Now	\$135,500	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basemnet</i>								
<i>Explanation : Lally Columns In Basement Shore Up Apparatus Floor Above.</i>								
Plaster	45%			LIFE	**	5	\$2,600	
Site Enclosure								
Fence/Gates								
Chain Link	100%	4+	\$2,900	2051	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Along Side Walkway</i>								
<i>Corrosion/Rusting, Extent : Light, Area Affected : 25%</i>								
<i>Location : Along Side Walkway</i>								
Retaining Walls								
Cast in Place Concrete	100%	2-4	\$2,400	2066	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Side Walkway</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			
On-Site Walkways								
Cast in Place Concrete	100%			2044	**			
Parking/Driveway								
Cast in Place Concrete	100%	2-4	\$18,300	2044	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Cracking At Overhead Door</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 273/LADDER CO. 129
Asset # : 13159

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2041	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 400 Amperes.</i>								
<hr/>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2041	**	5		
<hr/>								
Raceway								
Conduit	50%			2031	\$18,000	1		
Conduit	50%			2041	**	1		
<hr/>								
Panelboards								
Fused Disc Sw	10%			2030	\$4,800	5		
Molded Case Bkrs	30%			2030	\$14,500	5		
Molded Case Bkrs	50%			2039	**	5	\$100	
Molded Case Bkrs	10%			2053	**	5		
<hr/>								
Wiring								
Thermoplastic	50%			2031	\$16,300	1		
Thermoplastic	50%			2041	**	1		
<hr/>								
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<hr/>								
Lighting								
Interior Lighting								
Fluorescent	45%			2031	\$21,000	10	\$2,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	5%			2026	\$2,300	10	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : T-12 Lamps</i>								
LED	50%			2039	**			
<hr/>								
Egress Lighting								
Exit, LED	100%			2066	**	1		
<hr/>								
Exterior Lighting								
HID	25%			2031	\$6,300	10		
LED	5%			2039	**			
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2051	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 273/LADDER CO. 129
Asset # : 13159

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
Conversion Equipment	Steam Boiler	100%			2044	**	1	\$5,500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution	Steam Piping/Pump	100%			2031	\$43,100		
Terminal Devices	Convactor/Radiator	100%			2029	\$44,000	1	\$1,800
Air Conditioning								
Energy Source	Electricity	100%			2039	**	1	
Conversion Equipment	Exterior Pkg Unit - Cooling	40%			2036	**	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Units. R-410a Refrigerant</i>								
	Window/Wall Unit	20%			2026	\$4,100	1	
	No Component	40%						
Ventilation								
Distribution	Ductwork/Diffusers	20%			LIFE	**	2-5	\$600
	No Component	80%						
Exhaust Fans	Roof	20%			2039	**	2	
	Wall Unit	15%			2031	\$300	2	
	No Component	65%						
Plumbing								
H/C Water Piping	Brass/Copper	100%			2041	**	1	
Water Heater With Tanks	Gas Fired	100%			2029	\$16,700	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping	Cast Iron	100%	0-2	\$1,400	LIFE	**	1	
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Water Backs Up In Basement</i>								
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	

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FIRE DEPARTMENT - 057
ENGINE CO. 273/LADDER CO. 129
Asset # : 13159

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Sump Pump(s) Submersible	100%	Now	\$200	2024	\$200	4	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Leaks Down To Basement From Access Door When It Rains.</i>								
<i>Additional Sump Pump Needed.</i>								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2024	\$800	1-3	\$800	

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 274
Address : 41-20 MURRAY STREET @ LIRR
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.274 / 13160 **Yr Built/Renovated** : 1940 /
Area Sq Ft : 6,204 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Feb-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5058 **Lot** : 37 **BIN** : 4114925

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$102,300	
Total	\$102,300	
Importance Code A	\$102,300	
Total	\$102,300	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$95,700			
Interior Architecture	\$62,800	\$300	\$500	\$400
Electrical	\$15,600	\$500	\$600	\$500
Mechanical	\$9,000	\$800	\$26,700	\$900
Site Enclosure	\$100			
Site Pavements	\$28,400			
Total	\$211,700	\$1,600	\$27,700	\$1,700
Importance Code A	\$96,300	\$600	\$600	\$600
Importance Code B	\$81,400	\$900	\$27,100	\$1,100
Importance Code C	\$34,000	\$100		
Total	\$211,700	\$1,600	\$27,700	\$1,700



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 274
Asset # : 13160

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	77%	Now	\$102,300	LIFE	**	5	\$12,700	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : South Facade</i>								
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : South Facade At Upper Roof Eave</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : South Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : South Facade</i>								
<i>Other Observation, Extent : N/A, Area Affected : 1%</i>								
<i>Location : South Facade</i>								
<i>Explanation : Crack Monitoring Installed</i>								
Masonry: Granite	3%			LIFE	**	5	\$400	
Masonry: Limestone	10%	2-4	\$25,400	LIFE	**	5	\$1,200	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Facade</i>								
Wood Overhead Doors	10%	Now	\$46,300	2051	**	5	\$4,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Overhead Door</i>								
<i>Dry Rot/Decay, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Overhead Door</i>								
Windows								
Aluminum	100%	Now	\$19,200	2056	**	5	\$200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Second Floor</i>								
<i>Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Rotted Wood Frame</i>								
Roof								
Asphalt Shingle	100%	Now	\$4,700	2040	**			
<i>Gut/DS Non Func/Miss, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Upper Gutters</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Hose Tower</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second Floor</i>								
Soffits								
Wood	100%			2036	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof Eave</i>								
<i>Explanation : Exposed Wood Structure At Eave</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 274
Asset # : 13160

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$8,300	
Cast in Place Concrete	15%			LIFE	**	5	\$3,100	
Ceramic Tile	5%			2040	**	5	\$500	
Quarry Tile	5%			2044	**	5	\$700	
Vinyl Tile	30%	2-4	\$23,000	2041	**	3	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor</i>								
Wood	5%			2059	**	5	\$900	
Interior Walls								
Ceramic Tile	5%			2040	**	5	\$100	
Plaster	70%	Now	\$4,300	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Hose Tower</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 85%</i>								
<i>Location : Hose Tower</i>								
<i>Other Observation, Extent : N/A, Area Affected : 1%</i>								
<i>Location : Stairwell</i>								
<i>Explanation : Crack Monitors Installed In Stairwell</i>								
SGFT/Glazed Masonry	25%	4+	\$1,100	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Apparatus Floor</i>								
Ceilings								
AcousTileSusp.Lay-In	10%			2036	**	5	\$900	
Exposed Struc: Concrete	30%			LIFE	**	5	\$400	
Exposed Struc: Steel	20%	2-4	\$22,300	LIFE	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Plaster	40%	Now	\$11,300	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Second Floor, Hose Tower And Apparatus Floor</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Second Floor And Hose Tower</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Locker, Corridor On 2nd Floor</i>								
Site Enclosure								

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FIRE DEPARTMENT - 057
ENGINE CO. 274
Asset # : 13160

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Enclosure

Fence/Gates

Chain Link

60% 0-2 \$100 2057 * *

*Broken/Missing Elements, Extent : Moderate, Area Affected : 10%**Location : Backyard**Corrosion/Rusting, Extent : Moderate, Area Affected : 20%**Location : Railroad Side And Backyard**Other Observation, Extent : Severe, Area Affected : 30%**Location : Railroad Side**Explanation : Chain Link Fence Leaning*

Under Construction

40%

*Other Observation, Extent : N/A, Area Affected : 0%**Location : South Side Neighbor**Explanation : South Neighbor Has Installed Wood Construction Fence*

Site Pavements

Public Sidewalk

Cast in Place Concrete

100% 2036 * *

On-Site Walkways

Cast in Place Concrete

100% Now \$28,400 2044 * *

*Broken/Missing Elements, Extent : Moderate, Area Affected : 10%**Location : Backyard**Cracking/Crumbling, Extent : Light, Area Affected : 10%**Location : Backyard**Misaligned/Bulging, Extent : Severe, Area Affected : 10%**Location : Railroad Side**Other Observation, Extent : Severe, Area Affected : 10%**Location : East, South And North Metal Hatches To Basement Failed**Explanation : Leaks Into Basement*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw

100% 2041 * * 5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room**Explanation : Main Service Disconnect Switch Rated At 200 Amperes.*

Switchgear / Switchboard

Molded Case Bkrs

100% 2041 * * 5 \$200

Raceway

Conduit

100% 2041 * * 1

Panelboards

Molded Case Bkrs

100% 2039 * * 5 \$200

Wiring

Thermoplastic

100% 2041 * * 1

Ground

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 274
Asset # : 13160

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%	0-2	\$10,200	LIFE	**	5	\$100	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Stand-by Power								
Transfer Switches Automatic	100%			2036	**	1	\$1,900	
Generators Diesel	100%			2034	**	1	\$2,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Emergency Generator Rated At 80 Kilovolt-amperes.</i>								
Batteries Lead/Acid	100%			2024	\$2,400	5	\$200	
Fuel Storage Main Tank	100%			2046	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 60 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting Fluorescent	80%			2031	\$42,100	10	\$4,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement, 1st Floor</i>								
<i>Explanation : T-8 Lamps</i>								
LED	20%			2031	\$15,000			
Egress Lighting Emergency, Service	100%			2031	\$3,700	1		
Exterior Lighting Fluorescent	10%	Now	\$2,400	2041	**			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front Of The Building</i>								
<i>Explanation : Compact Fluorescent Lights. Not Functional</i>								
HID	20%			2031	\$5,700	10		
No Component	70%							
Alarm								
Security System No Component	80%							
Generic	20%			2031	\$2,300	1	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front And Right Side Of The Building</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 274
Asset # : 13160

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2041	**	1		
Conversion Equipment								
Steam Boiler	100%			2036	**	1	\$6,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Steam Piping/Pump	100%	0-2	\$1,000	2041	**			
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : 2nd Floor Is Too Cold.</i>								
Terminal Devices								
Convactor/Radiator	100%			2036	**	1	\$2,000	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Window/Wall Unit	40%	0-2	\$3,700	2026	\$9,200	1		
<i>Not Energy Efficient, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Various Locations</i>								
No Component	60%							
Ventilation								
Exhaust Fans								
Wall Unit	20%	0-2	\$500	2041	**	2		
<i>Malfunctioning, Extent : Severe, Area Affected : 20%</i>								
<i>Location : The Unit Is Inoperable, Apparatus Floor</i>								
No Component	80%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>Explanation : No Exhaust Fan For Kitchen And Girls Bathroom</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		
Water Heater With Tanks								
Gas Fired	100%			2026	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	20%	Now	\$3,100	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Flooding In Front Side Of Basement Due To No Drainage</i>								
Cast Iron	80%			LIFE	**	1		

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 274
Asset # : 13160

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost	Priority
	Type	Total	(Years)		FY		(Yrs)		
Plumbing									
	Sump Pump(s)								
	Non-Submersible	100%			2031	\$1,200	4	\$100	
Fixtures									
	Generic	100%							

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 275/LADDER CO. 133
Address : 111-36 MERRICK BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.275 / 13161 **Yr Built/Renovated** : 1960 / 2009
Area Sq Ft : 6,306 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Nov-2019 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 10208 **Lot** : 45 **BIN** : 4217371

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture		\$97,100
Interior Architecture		\$24,500
Total		\$121,600
Importance Code A		\$97,100
Importance Code B		\$24,500
Total		\$121,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$81,300		\$400	
Interior Architecture	\$31,600			\$500
Electrical	\$500	\$400	\$5,900	\$500
Mechanical	\$20,900	\$1,100	\$1,000	\$2,200
Site Pavements	\$4,900			
Total	\$139,100	\$1,500	\$7,200	\$3,100
Importance Code A	\$81,600	\$300	\$700	\$300
Importance Code B	\$41,000	\$1,200	\$6,600	\$2,800
Importance Code C	\$16,500			
Total	\$139,100	\$1,500	\$7,200	\$3,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 275/LADDER CO. 133
Asset # : 13161

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	95%	4+	\$26,400	LIFE	**	5	\$16,400	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Multiple Relieving Angles</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Missing Mortar At Relieving Angles At Several Locations</i>								
Wood Overhead Doors	5%			2044	**	5	\$4,300	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Front Facade</i>								
Windows								
Aluminum	100%			2053	**	5	\$400	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	90%	0-2	\$4,200	LIFE	**	5	\$1,700	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Hose Tower Structure</i>								
Metal Panel	10%			2051	**	5	\$700	
Roof								
Built-Up (BUR)	100%	Now	\$48,500	2031			\$97,100	1
<i>Alligatoring, Extent : Severe, Area Affected : 65%</i>								
<i>Location : Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Base Flashing At Stair/ Hose Tower</i>								
<i>Ponding, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Various Locations And Bulkhead Roof</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : At Hose Tower Roof</i>								
Interior								
Floors								
Cast in Place Concrete	30%	Now	\$11,300	LIFE	**	5	\$6,000	
<i>Spalling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Main Apparatus Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Ceramic Tile	15%			2034	**	5	\$1,400	
Granite Panels	15%			LIFE	**	5	\$1,000	
Vinyl Tile	30%			2036	**	3	\$1,400	
Vinyl Tile	10%	Now	\$500	2031		3	\$300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor Bunker Room, Lockers, Weight Room</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 275/LADDER CO. 133
Asset # : 13161

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	10%	4+	\$8,600	LIFE		**		
<i>Paint Peeling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Cellar</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Multiple Locations In The Cellar</i>								
Ceramic Tile	10%			2034	**	5	\$600	
Concrete Masonry Unit	5%			LIFE	**	5	\$100	
Gypsum Board	10%			LIFE	**	5	\$300	
Plaster	40%	Now	\$2,700	LIFE	**	5	\$700	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations On The 2nd Floor And Stair Tower, Basement Stair</i>								
<i>Spalling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Hose/ Stair Tower And Basement Stairs</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Hose/ Stair Tower And Basement</i>								
SGFT/Glazed Masonry	20%			LIFE	**			
Wood	5%			LIFE	**	5	\$1,200	
Ceilings								
AcousTileSusp.Lay-In	10%			2044	**	5	\$900	
Exposed Struc: Concrete	10%	Now	\$6,600	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Stair Tower</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Stair Tower, Basement Boiler Room</i>								
Plaster	80%			LIFE	**	5	\$4,500	
Site Enclosure								
Fence/Gates								
Aluminum Rail	5%			2036	**	5-10		
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : On Roof</i>								
<i>Explanation : Aluminum Guard Railing</i>								
Chain Link	95%			2051	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			
On-Site Walkways								
Cast in Place Concrete	100%			2044	**			
Parking/Driveway								
Cast in Place Concrete	100%	4+	\$4,900	2044	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Parking Area</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 275/LADDER CO. 133
Asset # : 13161

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts								
	Service Equipment							
	Fused Disc Sw	100%			2051	**	5	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Electrical Room Basement</i>					
			<i>Explanation : One 200 Ampere Main Disconnect Switch</i>					
Raceway								
	Conduit	50%			2031	\$18,000	1	
	Conduit	50%			2051	**	1	
Panelboards								
	Fused Disc Sw	5%			2047	**	5	
	Molded Case Bkrs	10%			2030	\$4,800	5	
	Molded Case Bkrs	85%			2047	**	5	\$100
Wiring								
	Braided Cloth	30%			2030	\$9,800	1	
	Thermoplastic	70%			2051	**	1	
Motor Controllers								
	Locally Mounted	100%			2044	**	5	
Ground								
	Grounding Devices							
	Generic	100%			LIFE	**	5	\$100
Stand-by Power								
	Transfer Switches							
	Automatic	100%			2048	**	1	\$1,900
Generators								
	Diesel	100%			2044	**	1	\$2,400
Batteries								
	Lead/Acid	100%			2026	\$2,400	5	\$200
Fuel Storage								
	Day Tank	50%			2053	**	5	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Generator Room Outside</i>					
			<i>Explanation : One 127 Gallons</i>					
	Main Tank	50%			2034	**	5	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : One 550 Gallons</i>					
Lighting								
	Interior Lighting							
	Fluorescent	50%			2036	**	10	\$2,900
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement And First Floor</i>					
	LED	50%			2039	**		
Egress Lighting								
	Emergency, Service	35%			2036	**	1	
	Emergency, Service	15%			2039	**	1	
	No Component	50%						

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FIRE DEPARTMENT - 057
ENGINE CO. 275/LADDER CO. 133
Asset # : 13161

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting

HID	10%			2039	**	10		
HID	20%			2031	\$5,700	10		
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Electricity	5%			2051	**	1		
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*Other Observation, Extent : Light, Area Affected : 5%**Location : 1st Floor TV Room**Explanation : Hard Wired Electric Heater Serving TV Room*

Natural Gas	95%			2051	**	1		
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Conversion Equipment

Hot Water Boiler	100%			2036	**	1	\$3,100	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One Unit*

Distribution

Hot Wtr Piping/Pump	100%			2039	**	4	\$300	
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Terminal Devices

Convactor/Radiator	80%			2036	**	1	\$1,600	
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Unit Heater - Hot Water	20%			2036	**			
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Air Conditioning

Energy Source

Electricity	100%			2039	**	1		
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Conversion Equipment

Split Unit	20%			2031	\$29,300			
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Window/Wall Unit	80%			2024	\$18,700	1		
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Ventilation

Exhaust Fans

Interior	20%			2031	\$5,500	2		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Apparatus Room**Explanation : Blower Fan*

Roof	80%			2031	\$9,600	2	\$200	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Roof**Explanation : Two Bathroom Ventilation Units***Plumbing**

H/C Water Piping

Galvanized Steel	100%			2044	**	1		
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FIRE DEPARTMENT - 057
ENGINE CO. 275/LADDER CO. 133
Asset # : 13161

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	Water Heater With Tanks Gas Fired	100%			2029	\$16,700	2		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
			<i>Location : Basement</i>						
			<i>Explanation : 50 Gallons. Nameplate Incorrectly Reads 75 Gallons.</i>						
	Sanitary Piping Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping Cast Iron	100%			LIFE	* *	1		
			<i>Other Observation, Extent : Moderate, Area Affected : 40%</i>						
			<i>Location : First Floor</i>						
			<i>Explanation : Occassional Flooding And Sewage Backup At First Floor Due To Ground Water Infiltration</i>						
	Sump Pump(s) Submersible	100%			2024	\$200	4	\$200	
			<i>Other Observation, Extent : Light, Area Affected : 20%</i>						
			<i>Location : Basement</i>						
			<i>Explanation : Simplex Pump</i>						
	Fixtures Generic	100%							
Fire Suppression									
	Chemical System Wet	10%			2030	\$8,000	1-3	\$9,300	
	No Component	90%							

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 276
Address : 1635 EAST 14th STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.276 / 13162 **Yr Built/Renovated** : 1910 /
Area Sq Ft : 13,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 15-Jul-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 6777 **Lot** : 64 **BIN** : 3182420

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture	\$79,900	\$262,500
Electrical	\$33,100	\$204,200
Mechanical		\$106,900
Total	\$113,000	\$573,600
Importance Code A		\$63,500
Importance Code B	\$113,000	\$510,100
Total	\$113,000	\$573,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$23,500		\$11,300	\$1,000
Interior Architecture	\$85,800		\$700	\$1,200
Electrical	\$3,600	\$1,100	\$7,300	\$1,000
Mechanical	\$19,000	\$2,000	\$63,600	\$2,000
Site Pavements	\$1,900			
Total	\$133,900	\$3,100	\$82,800	\$5,200
Importance Code A	\$24,800	\$1,300	\$12,700	\$2,300
Importance Code B	\$84,300	\$1,800	\$70,100	\$2,900
Importance Code C	\$24,800			
Total	\$133,900	\$3,100	\$82,800	\$5,200



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 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 276
Asset # : 13162

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	77%	4+	\$13,200	LIFE	**	5	\$8,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Street Facade At Door</i>								
Masonry: Granite	3%	4+	\$4,900	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	3%	4+	\$2,500	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Metal Sect. OHD	10%	4+	\$1,900	2044	**	5	\$1,700	
<i>Deformed/Dented, Extent : Light, Area Affected : 5%</i>								
<i>Location : Bottom Panel Over Head Door</i>								
Wood	7%			2036	**	5	\$3,700	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Front Facade</i>								
<i>Explanation : Covered With Sheet Metal</i>								
Windows								
Aluminum	100%			2047	**	5	\$2,000	
Parapets								
Masonry: Brick	60%			LIFE	**	5	\$1,000	
Masonry: Limestone	30%			LIFE	**	5	\$600	
Metal Cornice	10%			2059	**	10	\$500	
Roof								
Asphalt Shingle	10%			2040	**	10	\$200	
Metal Panel	5%			2044	**	10	\$1,000	
Modified Bitumen	85%			2036	**	10	\$9,400	
Interior								
Floors								
Cast in Place Concrete	44%	Now	\$14,200	LIFE	**	5	\$18,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Ceramic Tile	3%	2-4	\$600	2040	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen And Bathrooms</i>								
Mosaic Tile	3%			2036	**	5	\$1,500	
Vinyl Tile	50%	0-2	\$26,200	2031	\$262,500	3	\$3,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd And 3rd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 276
Asset # : 13162

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	40%	Now	\$6,400	2034	**	5	\$3,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Bathrooms</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Concrete Masonry Unit	5%	0-2	\$1,400	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Masonry: Brick	10%	0-2	\$13,800	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Plaster	45%	Now	\$3,200	LIFE	**	5	\$2,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd And 3rd Floors And Roof Hatch</i>								
Ceilings								
Ceramic Tile	35%	2-4	\$11,200	LIFE	**	5	\$4,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor Ceiling</i>								
Exposed Struc: Steel	35%	Now	\$79,900	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Bilco Doors</i>								
Plaster	30%	Now	\$8,700	LIFE	**	5	\$3,600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : 2nd Floor Bunk Room</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd And 3rd Floor</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 2nd Floor Bunk Room</i>								
<i>Explanation : Exposed Structural Steel</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	0-2	\$1,900	2036	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Sidewalk</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2036	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

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FIRE DEPARTMENT - 057
ENGINE CO. 276
Asset # : 13162

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2031	\$63,500	5	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Main Service Disconnect Switch Rated At 350 Amperes.</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	\$63,500	5	\$300	
Raceway								
Conduit	80%			2031	\$28,800	1		
Conduit	10%			2041	**	1		
Under Construction	10%							
Panelboards								
Fused Disc Sw	10%			2030	\$4,800	5		
Molded Case Bkrs	70%			2030	\$33,900	5	\$200	
Molded Case Bkrs	10%			2039	**	5		
Under Construction	10%							
Wiring								
Thermoplastic	80%			2031	\$26,000	1		
Thermoplastic	10%			2041	**	1		
Under Construction	10%							
Motor Controllers								
Locally Mounted	100%			2029	\$17,800	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	**	1	\$4,000	
Generators								
Diesel	100%			2034	**	1	\$5,000	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Emergency Generator Rated At 80 Kilovolt-Amperes.</i>						
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$500	
Fuel Storage								
Day Tank	30%			2039	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 75 Gallons Rated Capacity</i>						
Main Tank	70%			2046	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 275 Gallons Rated Capacity</i>						

Lighting

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FIRE DEPARTMENT - 057
ENGINE CO. 276
Asset # : 13162

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	30%			2026	\$33,100	10	\$3,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : T-12 Lamps</i>								
Fluorescent	70%			2031	\$77,200	10	\$8,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement, 1st Floor, 3rd Floor</i>								
<i>Explanation : T-8 Lamps</i>								
Egress Lighting Emergency, Service	100%			2031	\$7,800	1		
Exterior Lighting LED	10%			2039	**			
No Component	90%							
Alarm								
Security System No Component	90%							
Generic	10%			2026	\$2,400	1	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Of The Building</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2051	**	1		
Conversion Equipment Steam Boiler	100%			2036	**	1	\$12,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Boiler</i>								
Distribution Steam Piping/Pump	100%			2041	**			
Terminal Devices Convactor/Radiator	75%			2029	\$77,900	1	\$3,200	
Unit Heater - Steam	25%			2026	\$18,000	4	\$300	
Air Conditioning								
Energy Source Electricity	100%			2039	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 276
Asset # : 13162

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Split Unit	10%			2031	\$30,200			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 Unit. R-410a</i>								
Window/Wall Unit	40%			2026	\$19,200	1		
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Roof</i>								
<i>Explanation : There Are 4 Air Conditioning Units Sitting On Roof But Electrical Power Never Been Connected.</i>								
Window/Wall Unit	25%	0-2	\$7,200	2031	\$12,000	1		
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								
No Component	25%							
Distribution								
No Component	50%							
Under Construction	50%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2031	\$29,100	1	\$400	
Fan Coil - 2 Pipe	40%			2041	**	1	\$1,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd And 3rd Floors</i>								
<i>Explanation : New Installation</i>								
No Component	50%							
Heat Rejection								
Evaporative Condenser	10%			2031	\$5,000	2	\$900	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%	Now	\$1,100	LIFE	**	2-5	\$700	
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Kitchen Roof</i>								
<i>Explanation : The Generator Exhaust Duct Needs To Be Extended To Outside Of The Roof</i>								
No Component	90%							
Exhaust Fans								
Roof	10%			2036	**	2		
Roof	25%	0-2	\$300	2026	\$6,200	2	\$100	
<i>Not in Service, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Roof</i>								
Wall Unit	25%			2026	\$1,400	2	\$100	
No Component	40%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 276
Asset # : 13162

Mechanical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Water Heater With Tanks Gas Fired	100%			2026	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units, 74 Gallons Each</i>								
<hr/>								
Sanitary Piping Cast Iron	100%	Now	\$8,000	LIFE		* *	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Badly Between Apparatus Floor And Dining Room, 3rd Floor Shower Tub, Apparatus Floor.</i>								
<i>Corroded, Extent : Severe, Area Affected : 10%</i>								
<i>Location : And Leaking, Basement</i>								
<hr/>								
Storm Drain Piping Cast Iron	100%			LIFE		* *	1	
<hr/>								
Sump Pump(s) Submersible	100%			2024	\$400	4	\$400	
<hr/>								
Fixtures								
Generic	100%							
<i>Obsolete Fixtures, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor Bathroom</i>								
<hr/>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 277/LADDER CO. 112
Address : 582 KNICKERBOCKER AVENUE @ PALMETTO ST.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.277 / 13163 **Yr Built/Renovated** : 2007 /
Area Sq Ft : 15,756 **Project Type** : FIRE DEPARTMENT
Date of Survey : 15-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3343 **Lot** : 29 **BIN** : 3076461

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$266,800	\$140,000
Mechanical		\$129,300
Total	\$266,800	\$269,300
Importance Code A	\$266,800	\$140,000
Importance Code B		\$129,300
Total	\$266,800	\$269,300

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$4,600	\$8,000		\$15,200
Interior Architecture	\$61,900	\$1,600	\$800	
Electrical	\$2,100	\$2,400	\$4,800	\$2,200
Mechanical	\$45,000	\$2,400	\$5,700	\$3,100
Site Pavements	\$200			
Total	\$113,800	\$14,500	\$11,300	\$20,500
Importance Code A	\$12,800	\$8,800	\$800	\$16,000
Importance Code B	\$88,400	\$5,700	\$9,700	\$4,400
Importance Code C	\$12,600		\$800	
Total	\$113,800	\$14,500	\$11,300	\$20,500



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FIRE DEPARTMENT - 057
ENGINE CO. 277/LADDER CO. 112
Asset # : 13163

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	3%			LIFE	**	5	\$9,600	
Glass Block	2%			LIFE	**	5	\$800	
Metal/Glass Curt Wall	18%	Now	\$190,500	LIFE	**	5	\$21,700	
<i>Glazing Clouded, Extent : Light, Area Affected : 30%</i>								
<i>Location : Unable To Clean Exterior Face Glass. Areas Inaccessible</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bunk Room</i>								
Metal Sect. OHD	8%			2045	**	5	\$16,100	
Pre-Cast Concrete	67%	0-2	\$76,300	LIFE	**	5	\$140,000	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Perimeter Walls At Grade. Tiled Walls</i>								
Window Wall	2%			2052	**	5	\$4,800	
Windows								
Aluminum	100%	Now	\$4,600	2048	**	5	\$500	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bunk Room And Office</i>								
Parapets								
Pre-Cast Concrete	90%			LIFE	**	5	\$21,600	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Interior Parapet</i>								
<i>Explanation : Rubber Waterproofing Applied To Parapet Walls</i>								
Weathering Steel	10%			LIFE	**	1		
Roof								
Modified Bitumen	100%			2037	**	10	\$12,800	
<i>Debris Present, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Reflective Surface, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	55%	Now	\$21,600	LIFE	**	5	\$28,400	
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Apparatus Floor. At Edges Of Slab And Floor Drains Into Basement</i>								
Mosaic Tile	3%			2045	**	5	\$1,800	
Quarry Tile	2%	2-4	\$700	2045	**	5	\$400	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	25%			2037	**	3	\$2,200	
Wood	15%	Now	\$20,600	2047	**	5	\$3,300	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Bunk Room</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 277/LADDER CO. 112
Asset # : 13163

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	25%	Now	\$12,600	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Electrical Room</i>								
Ceramic Tile	5%			2041	**	5	\$1,700	
Concrete Masonry Unit	20%			LIFE	**	5	\$2,700	
Gypsum Board	45%			LIFE	**	5	\$9,100	
Wood	5%			LIFE	**	5	\$6,800	
Ceilings								
AcousTileSusp.Lay-In	55%			2049	**	5	\$13,000	
Exposed Struc: Steel	35%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Component Actually Concrete Metal Decking</i>								
Gypsum Board	10%			LIFE	**	5	\$2,900	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2045	**			
Activity Yard								
Cast in Place Concrete	100%	Now	\$200	2045	**			
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Courtyard</i>								
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2052	**	5	\$100	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 800 Amperes.</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2052	**	5	\$100	
Raceway								
Conduit	100%			2052	**	1		
Panelboards								
Fused Disc Sw	5%			2048	**	5		
Molded Case Bkrs	95%			2048	**	5	\$400	
Wiring								
Thermoplastic	100%			2052	**	1		
Motor Controllers								
Locally Mounted	100%			2045	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	

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FIRE DEPARTMENT - 057
ENGINE CO. 277/LADDER CO. 112
Asset # : 13163

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Transfer Switches								
Automatic	100%			2045	**	1	\$4,900	
Generators								
Diesel	100%			2041	**	1	\$6,100	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Generator Room</i>						
		<i>Explanation : Emergency Generator Rated At 80 Kilowatts</i>						
Batteries								
Lead/Acid	100%			2026	\$2,400	5	\$600	
Fuel Storage								
Main Tank	100%			2060	**	5		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Generator Room</i>						
		<i>Explanation : 275 Gallons Rated Capacity</i>						
Lighting								
Interior Lighting								
LED	100%			2040	**			
Egress Lighting								
Emergency, Service	50%			2037	**	1		
Exit, Service	50%			2037	**	1		
Exterior Lighting								
HID	30%			2037	**	10		
No Component	70%							
Alarm								
Security System								
No Component	80%							
Generic	20%			2037	**	1	\$1,200	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Front Of The Building</i>						
		<i>Explanation : CCTV Surveillance Cameras</i>						
Fire/Smoke Detection								
Generic, Analog	100%			2037	**	1-3	\$9,700	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : Strobe Lights, Manual Pull Stations, Alarm Bells, Smoke Detectors And Horns</i>						

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2052	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 277/LADDER CO. 112
Asset # : 13163

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
	Conversion Equipment							
	Hot Water Boiler	100%	Now	\$8,200	2045	**	1	\$7,000
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement Boiler Room</i>						
		<i>Explanation : 2 Units</i>						
<hr/>								
	Distribution							
	Hot Wtr Piping/Pump	100%	0-2	\$3,400	2048	**	4	\$800
		<i>Broken, Extent : Severe, Area Affected : 50%</i>						
		<i>Location : Basement, Circulating Pump</i>						
		<i>Controller Not Working, Extent : Moderate, Area Affected : 75%</i>						
		<i>Location : Throughout, Uneven Heat Distribution</i>						
<hr/>								
	Terminal Devices							
	Air Handler	30%			2037	**	1	\$2,900
	Convactor/Radiator	40%			2045	**	1	\$2,000
	Fan Coil Unit/Heat	30%			2037	**	1	\$1,500
<hr/>								
Air Conditioning								
	Energy Source							
	Electricity	100%			2048	**	1	
<hr/>								
	Conversion Equipment							
	Ext Pkg Unit - Heating/Cooling	50%			2032	\$129,300	2	\$500
		<i>R-22 Refrigerant, Extent : Light, Area Affected : 55%</i>						
		<i>Location : Roof</i>						
		<i>Other Observation, Extent : Light, Area Affected : 80%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 4 Units. Inefficient Units.</i>						
	Split Unit	10%			2037	**		
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : House Watch And 2nd Floor</i>						
		<i>Explanation : 2 Units. R-410a</i>						
	Window/Wall Unit	20%			2030	\$11,700	1	
	No Component	20%						
<hr/>								
	Distribution							
	Ductwork/Diffusers	40%	Now	\$10,800	LIFE	**	2	\$8,200
		<i>Corroded, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Basement</i>						
	No Component	60%						
<hr/>								
	Terminal Devices							
	Fan Coil - 2 Pipe	10%			2037	**	1	\$500
	No Component	90%						
<hr/>								
	Heat Rejection							
	Evaporative Condenser	10%			2037	**	2	\$1,100
	No Component	90%						

Ventilation

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 277/LADDER CO. 112

Asset # : 13163

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Distribution								
Ductwork/Diffusers	100%	Now	\$13,500	LIFE	**	2-5	\$8,800	
<i>Corroded, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Boiler Room. Due To Water Leaks From Apparatus Floor:</i>								
Exhaust Fans								
Roof	100%	Now	\$6,000	2037	**	2	\$400	
<i>Broken, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Roof Exhaust System</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2052	**	1		
Water Heater With Tanks								
Gas Fired	100%			2030	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : 2 Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Backing Up In Basement Frequently. Infrastructure Issue</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%	Now	\$900	2037	**	4	\$300	
<i>Unit Inoperable, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
Backflow Preventer								
Generic	100%			2037	**	1	\$1,000	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	80%							
Generic	20%			2052	**	1-2	\$900	
Chemical System								
No Component	90%							
Generic	10%			2030	\$8,000	1-3	\$8,100	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 279/LADDER CO. 131
Address : 252 LORRAINE STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.279 / 13165 **Yr Built/Renovated** : 1912 / 2011
Area Sq Ft : 10,548 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Aug-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 486 **Lot** : 18 **BIN** : 3008207

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture	\$77,500	\$255,600
Electrical	\$40,300	\$171,700
Mechanical		\$82,500
Total	\$117,800	\$509,800
Importance Code A		\$63,500
Importance Code B	\$40,300	\$446,300
Importance Code C	\$77,500	
Total	\$117,800	\$509,800

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$8,100	\$2,400		\$17,900
Interior Architecture	\$57,700	\$700		\$1,200
Electrical	\$11,600	\$100	\$200	\$9,100
Mechanical	\$5,700	\$2,400	\$1,900	\$6,100
Site Enclosure	\$3,500			
Site Pavements	\$5,700			
Total	\$92,300	\$5,500	\$2,000	\$34,400
Importance Code A	\$9,100	\$3,400	\$1,000	\$19,100
Importance Code B	\$69,400	\$1,800	\$1,000	\$15,300
Importance Code C	\$13,800	\$300		
Total	\$92,300	\$5,500	\$2,000	\$34,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 279/LADDER CO. 131
Asset # : 13165

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	**	5	\$22,500	
Masonry: Granite	5%			LIFE	**	5	\$1,200	
Masonry: Limestone	10%	2-4	\$4,900	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
Stucco Cement	5%			2045	**	5	\$4,000	
<i>Recent Repair Evident, Extent : N/A, Area Affected : 10%</i>								
<i>Location : Rear Facade</i>								
Wood Overhead Doors	10%			2037	**	5	\$16,100	
Windows								
Aluminum	100%			2040	**	5	\$700	
Parapets								
Cast Stone/Terra Cotta	30%	2-4	\$3,200	LIFE	**	5	\$2,700	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Facade Parapet And Cornice</i>								
Masonry: Brick	70%			LIFE	**	5	\$800	
Roof								
Modified Bitumen	100%			2037	**	10	\$9,900	
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	**	5	\$10,400	
Ceramic Tile	5%			2035	**	5	\$800	
Quarry Tile	5%	4+	\$1,100	2037	**	5	\$600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	60%	2-4	\$5,100	2032	\$255,600	3	\$3,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : 3rd Floor Corridor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd And 3rd Floor</i>								
Interior Walls								
Ceramic Tile	5%			2035	**	5	\$500	
Masonry: Brick	40%	Now	\$77,500	LIFE	**			
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Floor</i>								
<i>Spalling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Bearing Wall At Rear Beam Basement</i>								
Plaster	55%	Now	\$6,800	LIFE	**	5	\$1,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 3rd Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 279/LADDER CO. 131
Asset # : 13165

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	5%	4+	\$300	2037	**	5	\$400	
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen And Office 2nd Floor</i>								
Exposed Struc: Concrete	20%	Now	\$9,200	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement Rear Wall Beam And Gymnasium</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement Rear Wall Beam And Gymnasium</i>								
Plaster	75%	Now	\$35,200	LIFE	**	5	\$7,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor, 2nd Floor Bunk And 3rd Floor Locker</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2052	**			
Free Standing Walls								
Masonry: Brick	100%	Now	\$3,500	2042	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Wall</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	2-4	\$2,200	2037	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Smith Street</i>								
Parking/Driveway								
Cast in Place Concrete	100%	2-4	\$3,500	2045	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Rear Driveway And Front Apron</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2032	\$63,500	5	\$300	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 250 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2032	\$63,500	5	\$300	
Raceway								
Conduit	90%			2032	\$32,400	1		
Conduit	10%			2042	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 279/LADDER CO. 131
Asset # : 13165

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Panelboards								
Fused Disc Sw	10%			2048	**	5		
Molded Case Bkrs	80%			2031	\$38,800	5	\$200	
Molded Case Bkrs	10%			2040	**	5		
Wiring								
Thermoplastic	20%			2042	**	1		
Thermoplastic	80%			2032	\$26,000	1		
Motor Controllers								
Locally Mounted	100%			2037	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%	0-2	\$10,200	LIFE	**	5	\$200	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Lighting								
Interior Lighting								
Fluorescent	50%			2032	\$44,700	10	\$4,800	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 1st Floor, 2nd Floor</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	45%			2027	\$40,300	10	\$4,400	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 1st Floor, Hallways, 3rd Floor</i>								
<i>Explanation : T-12 Lamps</i>								
Fluorescent	4%	Now	\$1,400	2042	**			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Not Functioning</i>								
LED	1%			2040	**			
Egress Lighting								
Exit, Service	100%			2027	\$4,400	1		
Exterior Lighting								
LED	20%			2040	**			
No Component	80%							
Alarm								
Security System								
No Component	90%							
Generic	10%			2032	\$1,900	1	\$400	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Front Of The Building</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Heating

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 279/LADDER CO. 131
Asset # : 13165

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2042	**	1		
Conversion Equipment								
Steam Boiler	100%			2052	**	1	\$10,500	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Steam Piping/Pump	100%			2032	\$82,500			
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : There Is Only 1 Thermostat In The Building</i>								
Terminal Devices								
Convactor/Radiator	90%			2037	**	1	\$3,100	
Unit Heater - Steam	10%	2-4	\$3,500	2042	**	4	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : 2 Extended Life Time Unit Heaters Serve Truck Bays</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2040	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	40%			2037	**	2	\$300	
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 Unit. Uses R410 A</i>								
Window/Wall Unit	10%			2027	\$3,900	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$2,900	
No Component	50%							
Exhaust Fans								
Roof	50%			2037	**	2	\$200	
Wall Unit	15%			2027	\$700	2	\$100	
No Component	35%							
Plumbing								
H/C Water Piping								
Brass/Copper	10%	0-2	\$300	2042	**	1		
<i>Not Insulated, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Brass/Copper	90%			2042	**	1		
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 279/LADDER CO. 131
Asset # : 13165

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Water Heater With Tanks Gas Fired	100%			2031	\$16,700	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 Units</i>						
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Submersible	100%			2024	\$300	4	\$300	
Backflow Preventer Generic	5%	0-2		2032	\$200	1		
		<i>Other Observation, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Apparatus Floor</i>						
		<i>Explanation : Leaking</i>						
Generic	95%			2032	\$4,400	1	\$600	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System No Component Generic	99%			2025	\$800	1-3	\$700	
	1%							
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Serves Kitchen Only</i>						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 28/ LADDER CO. 11
Address : 222 EAST 2nd STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.028 / 13020 **Yr Built/Renovated** : 1959 / 2010
Area Sq Ft : 6,532 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-May-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 385 **Lot** : 58 **BIN** : 1004608

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$456,800	\$99,500
Interior Architecture	\$682,700	
Electrical		\$63,500
Mechanical	\$59,800	\$52,200
Site Pavements	\$74,100	
Total	\$1,273,300	\$215,200
Importance Code A	\$456,800	\$99,500
Importance Code B	\$742,400	\$115,700
Importance Code C	\$74,100	
Total	\$1,273,300	\$215,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$57,100	\$3,300		
Interior Architecture	\$60,200		\$100	\$800
Electrical	\$22,900			\$100
Mechanical	\$26,000	\$4,900	\$4,800	\$11,800
Site Enclosure	\$27,700			
Total	\$193,900	\$8,200	\$5,000	\$12,700
Importance Code A	\$57,400	\$3,600	\$300	\$300
Importance Code B	\$67,500	\$4,600	\$4,600	\$12,100
Importance Code C	\$69,000			\$400
Total	\$193,900	\$8,200	\$5,000	\$12,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 28/ LADDER CO. 11
Asset # : 13020

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	90%	Now	\$456,800	LIFE	**	5	\$18,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Corners Of Building</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Street Facade</i>								
<i>Explanation : Netting Installed On 2nd Floor</i>								
Metal Sect. OHD	10%			2050	**	5	\$6,600	
Windows								
Aluminum	100%	Now	\$29,300	2049	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Crtrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Metal Panel	90%	Now	\$8,800	2053	**	5	\$4,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Hose Tower</i>								
Metal Rail	10%	Now	\$4,900	2046	**	5	\$1,800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Main Entrance Facade</i>								
<i>Deformed/Dented, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Main Entrance Facade</i>								
Roof								
Modified Bitumen	100%	Now	\$10,000	2033			\$99,500	
<i>Blisters, Extent : Light, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof And Hose Tower Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Into 2nd Floor Hall</i>								
Soffits								
Cast Stone/Terra Cotta	100%	Now	\$4,100	LIFE	**	5	\$2,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Above Overhead Door</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 28/ LADDER CO. 11
Asset # : 13020

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	65%	Now	\$106,200	LIFE	**	5	\$14,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement And Apparatus Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Underside Of Stairs To Basement</i>								
<i>Explanation : Steel Corrosion</i>								
Ceramic Tile	5%			2042	**	5	\$500	
Vinyl Tile	10%			2041	**	3	\$400	
Vinyl Tile 9" X 9"	20%	Now	\$339,000	2043	**	3	\$700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Cast in Place Concrete	30%			LIFE	**	10	\$10,700	
Ceramic Tile	5%			2042	**	5	\$700	
Gypsum Board	5%			LIFE	**	5-10	\$1,200	
Plaster	35%	Now	\$23,600	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Hose Tower</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement, Staircase And Hose Tower</i>								
SGFT/Glazed Masonry	25%	Now	\$6,200	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
Ceilings								
AcousTileSusp.Lay-In	10%	4+	\$300	2038	**	5	\$500	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Concrete	55%	0-2	\$237,500	LIFE	**	5	\$800	
<i>Worn/Eroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Gypsum Board	5%			LIFE	**	5-10	\$1,700	
Plaster	30%	Now	\$17,500	LIFE	**	5	\$1,800	
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Hall And Hose Tower</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$27,700	2043	**			
<i>Impact Damage, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Parking Lot</i>								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 28/ LADDER CO. 11
Asset # : 13020

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	**			
On-Site Walkways								
Cast in Place Concrete	100%			2046	**			
Parking/Driveway								
Asphalt	100%	Now	\$74,100	2036	**			
			<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Driveway And Parking Lot</i>					
			<i>Ponding, Extent : Moderate, Area Affected : 25%</i>					
			<i>Location : Parking Lot</i>					
			<i>Sinking/Subsiding, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Parking Lot</i>					

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2033	\$14,700	5		
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes</i>					
Switchgear / Switchboard								
Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
Raceway								
Conduit	100%			2033	\$36,000	1		
Panelboards								
Molded Case Bkrs	70%			2032	\$33,900	5	\$100	
Molded Case Bkrs	30%			2055	**	5	\$100	
Wiring								
Braided Cloth	70%	2-4	\$22,800	2058	**	1		
			<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
Thermoplastic	30%			2059	**	1		
Motor Controllers								
Locally Mounted	100%			2038	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	10%			2033	\$5,500	10	\$600	
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : T-8 Lamps</i>					
LED	90%			2041	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 28/ LADDER CO. 11
Asset # : 13020

System Component Type	Current Repair			Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting								
HID	30%			2028	\$8,900	10		
No Component	70%							

System Component Type	Current Repair			Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2046	**	1	\$3,200	
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 Unit</i>					
Distribution								
Hot Wtr Piping/Pump	100%			2041	**	4	\$500	
Terminal Devices								
Convactor/Radiator	100%			2031	\$52,200	1	\$2,100	
Controls								
Electrical	100%			2028	\$35,500			

Air Conditioning

Energy Source								
Electricity	100%			2041	**	1		
Conversion Equipment								
Split Unit	10%			2038	**			
Window/Wall Unit	50%	0-2	\$12,100	2033	\$12,100	1		
			<i>Not Energy Efficient, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Various Locations</i>					
			<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Various Locations</i>					
			<i>Explanation : On Extended Life</i>					
No Component	40%							
			<i>Other Observation, Extent : Light, Area Affected : 0%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Gymnasium Has No Air Conditioning</i>					
Terminal Devices								
Fan Coil - 2 Pipe	10%			2038	**	1	\$200	
No Component	90%							
			<i>Other Observation, Extent : N/A, Area Affected : 0%</i>					
			<i>Location :</i>					
			<i>Explanation : One Evaporator Could Be Installed To The Split Unit For Basement Gymnasium.</i>					

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FIRE DEPARTMENT - 057
ENGINE CO. 28/ LADDER CO. 11
Asset # : 13020

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Heat Rejection								
	Air Cooled Condenser Unit	10%			2038	**	2	\$500
	No Component	90%						
Ventilation								
Distribution								
	Ductwork/Diffusers	20%			LIFE	**	2-5	\$1,200
	No Component	80%						
Exhaust Fans								
	Roof	20%			2033	\$2,500	2	
	No Component	80%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2043	**	1	
Water Heater With Tanks								
	Gas Fired	100%			2031	\$33,400	2	
	<i>Other Observation, Extent : N/A, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Two 75 Gallon Units</i>							
Sanitary Piping								
	Cast Iron	100%	Now	\$1,600	LIFE	**	1	
	<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>							
	<i>Location : Basement</i>							
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Non-Submersible	100%			2033	\$1,300	4	\$200
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System								
	Wet	100%			2026	\$59,800	1-3	\$69,700
	<i>Other Observation, Extent : N/A, Area Affected : 100%</i>							
	<i>Location : Kitchen</i>							
	<i>Explanation : Covers 15 Square Feet</i>							

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 280/LADDER CO. 132
Address : 489 ST. JOHN'S PLACE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.280 / 13166 **Yr Built/Renovated** : 1912 / 2008
Area Sq Ft : 5,775 **Project Type** : FIRE DEPARTMENT
Date of Survey : 28-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1174 **Lot** : 51 **BIN** : 3029451

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture	\$89,500	
Total	\$89,500	
Importance Code B	\$89,500	
Total	\$89,500	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$3,400			\$300
Interior Architecture	\$47,400	\$400	\$300	\$700
Electrical	\$10,600	\$400	\$2,900	\$600
Mechanical	\$8,600	\$9,900	\$1,400	\$30,900
Site Enclosure	\$1,200			
Site Pavements	\$2,800			
Total	\$74,000	\$10,700	\$4,600	\$32,500
Importance Code A	\$5,900	\$600	\$600	\$1,000
Importance Code B	\$57,300	\$10,200	\$4,000	\$31,500
Importance Code C	\$10,800			
Total	\$74,000	\$10,700	\$4,600	\$32,500



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 280/LADDER CO. 132
Asset # : 13166

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Concrete Masonry Unit	5%			LIFE	**	5	\$600	
Masonry: Brick	75%			LIFE	**	5	\$15,200	
Masonry: Granite	2%	2-4	\$600	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 1%</i>								
<i>Location : Front Facade</i>								
Masonry: Limestone	10%			LIFE	**	5	\$1,500	
Metal Sect. OHD	8%			2049	**	5	\$5,100	
Windows								
Aluminum	100%			2054	**	5	\$500	
Parapets								
Masonry: Brick	80%			LIFE	**	5	\$600	
Metal: Cage/Fence	10%			2037	**	5-10	\$600	
Pre-Cast Concrete	10%			LIFE	**	5	\$500	
Roof								
Asphalt Shingle	20%			2041	**	10	\$200	
Modified Bitumen	80%			2042	**	10	\$5,500	
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	**	5	\$6,700	
Cast in Place Concrete	25%	Now	\$21,200	LIFE	**	5	\$5,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 1st Floor Truck Area</i>								
<i>Horizontal Cracks, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 1st Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 1st Floor Has Structural Cracks And Is Being Supported By Several Adjustable Jack Post</i>								
Ceramic Tile	5%			2041	**	5	\$500	
Quarry Tile	5%			2045	**	5	\$800	
Vinyl Tile	35%	Now	\$9,600	2042	**	3	\$1,300	
<i>Adhesion Failure, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor</i>								
Interior Walls								
Masonry: Brick	45%			LIFE	**			
Plaster	50%	Now	\$6,800	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Dormitory, Laundry, At Window Heads, Scuttle And Stairwell</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor Officer, Bathroom</i>								
Wood	5%			LIFE	**	5	\$600	

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FIRE DEPARTMENT - 057
ENGINE CO. 280/LADDER CO. 132
Asset # : 13166

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	5%			2037	**	5	\$500	
Exposed Struc: Concrete	30%	Now	\$89,500	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1st Floor; Basement Ceiling Is Failing. Large Structural Cracks. Ceiling Is Now Being Supported By Temp Jack Post</i>								
Plaster	65%	Now	\$9,800	LIFE	**	5	\$4,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Front Office</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$1,200	2052	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Gate</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Parking Lot</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2045	**			
Parking/Driveway								
Asphalt	100%	Now	\$2,800	2035	**			
<i>Potholes, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Driveway</i>								
<i>Sinking/Subsiding, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Parking Lot And Driveway</i>								
Activity Yard								
Cast in Place Concrete	100%			2045	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2052	**	5	\$200	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 600 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2052	**	5	\$200	

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FIRE DEPARTMENT - 057
ENGINE CO. 280/LADDER CO. 132
Asset # : 13166

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	50%			2042	**	1		
Conduit	50%			2052	**	1		
Panelboards								
Molded Case Bkrs	100%			2048	**	5	\$200	
Wiring								
Thermoplastic	100%			2052	**	1		
Motor Controllers								
Locally Mounted	100%			2045	**	5		
Ground								
Grounding Devices								
Generic	100%	2-4	\$10,200	LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded</i>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2045	**	1	\$1,800	
Generators								
Natural Gas	100%			2041	**	1	\$2,200	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Rear Of The Building</i>								
<i>Explanation : Emergency Generator Rated At 70 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2026	\$2,400	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	10%			2032	\$4,900	10	\$500	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : T-8 Lamps</i>								
LED	90%			2037	**			
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : LED Lights</i>								
Egress Lighting								
Emergency, Service	40%			2032	\$1,400	1		
Emergency, Battery	10%			2032	\$900	10	\$100	
Exit, Service	50%			2032	\$1,200	1		
Exterior Lighting								
HID	30%			2032	\$7,900	10		
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

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Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 280/LADDER CO. 132

Asset # : 13166

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2052	**	1		
Conversion Equipment								
Steam Boiler	100%	0-2	\$2,500	2045	**	1	\$5,100	
<i>Controller Not Working, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout, Thermostat.</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Steam Piping/Pump	100%	Now	\$900	2042	**			
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Terminal Devices								
Convactor/Radiator	100%			2030	\$46,100	1	\$1,900	
<i>On Extended Life, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2040	**	1		
Conversion Equipment								
Window/Wall Unit	50%	Now	\$500	2027	\$10,700	1		
<i>Broken, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Bunker Bedroom, Two Units</i>								
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$600	
No Component	80%							
Exhaust Fans								
Roof	20%			2027	\$2,200	2		
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2042	**	1		
Water Heater With Tanks								
Gas Fired	100%			2027	\$16,700	2		
Sanitary Piping								
Cast Iron	100%	Now	\$3,600	LIFE	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 280/LADDER CO. 132

Asset # : 13166

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Storm Drain Piping							
	Cast Iron	100%	0-2	\$400	LIFE	**	1	
		<i>Corroded, Extent : Moderate, Area Affected : 30%</i>						
		<i>Location : Basement</i>						
		<i>Other Observation, Extent : Moderate, Area Affected : 15%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Water Backs Up, Causes Flooding In Basement During Rain.</i>						
<hr/>								
Fixtures								
	Generic	100%						
		<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 70%</i>						
		<i>Location : Various Locations</i>						
<hr/>								
Fire Suppression								
	Chemical System							
	No Component	90%						
	Generic	10%			2025	\$8,000	1-3	\$7,400
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : 1 Set</i>						

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 281/LADDER CO. 147
Address : 1210 CORTELYOU ROAD
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.281 / 13167 **Yr Built/Renovated** : 1912 /
Area Sq Ft : 10,106 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5155 **Lot** : 4 **BIN** : 3118638

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$382,500	\$117,700
Interior Architecture	\$76,700	\$183,700
Electrical		\$127,000
Mechanical		\$262,800
Total	\$459,200	\$691,100
Importance Code A	\$382,500	\$181,200
Importance Code B		\$510,000
Importance Code C	\$76,700	
Total	\$459,200	\$691,100

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$28,200			
Interior Architecture	\$81,700			\$900
Electrical	\$33,000	\$100	\$300	
Mechanical	\$36,600	\$1,300	\$41,200	\$1,300
Site Pavements	\$1,900			
Total	\$181,300	\$1,400	\$41,400	\$2,200
Importance Code A	\$29,200	\$1,000	\$1,100	\$1,000
Importance Code B	\$128,500	\$400	\$40,300	\$1,200
Importance Code C	\$23,600			
Total	\$181,300	\$1,400	\$41,400	\$2,200



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 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 281/LADDER CO. 147
Asset # : 13167

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$118,500	LIFE	**	5	\$29,500	
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Side Facade</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Boiler Room And Behind Electrical Panel</i>								
Masonry: Granite	3%			LIFE	**	5	\$900	
Masonry: Limestone	15%	2-4	\$90,700	LIFE	**	5	\$4,400	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%</i>								
<i>Location : Over Head Door Jambs</i>								
Metal Sect. OHD	5%			2048	**	5	\$6,100	
Slate Panels	2%	2-4	\$11,900	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Window Sills</i>								
Windows								
Aluminum	100%	Now	\$98,700	2056	**	5	\$1,100	
<i>Unit Inoperable, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Second Floor Bathroom</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Windows Are Old, Single Glazed And Deteriorated. They Should Be Replaced</i>								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$1,500	
Masonry: Brick	80%	0-2	\$74,700	LIFE	**	5	\$3,000	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Exterior Of Parapet</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : Street Facade At Entrance</i>								
Masonry: Sandstone	15%	Now	\$3,900	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Main Roof Parapet</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Coping Stones</i>								
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Coping</i>								
<i>Explanation : Actually Bluestone</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 281/LADDER CO. 147
Asset # : 13167

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	100%	Now	\$11,800	2031	\$117,700			
<i>Blisters, Extent : Light, Area Affected : 15%</i>								
<i>Location : Main Roof</i>								
<i>Miss/Damaged Flashings, Extent : Light, Area Affected : 15%</i>								
<i>Location : Main Roof</i>								
<i>Ridging, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Upper And Lower Roofs</i>								
Soffits								
Stucco Cement	100%	2-4	\$600	2036	**	5	\$400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Over Head Door</i>								
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$10,100	LIFE	**	5	\$13,200	
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Back Up From Storm Drain</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Gymnasium Floor</i>								
Mosaic Tile	10%	Now	\$6,900	2036	**	5	\$1,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor Bath</i>								
Quarry Tile	5%			2044	**	5	\$1,100	
Vinyl Tile	45%	0-2	\$9,200	2031	\$183,700	3	\$2,600	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Second And Third Floors</i>								
Interior Walls								
Ceramic Tile	10%	0-2	\$6,300	2034	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor Bathroom</i>								
Masonry: Brick	35%	Now	\$76,700	LIFE	**			
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Rear And Front Basement Wall</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor By Kitchen</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Rear And Front Basement Walls</i>								
Plaster	55%	0-2	\$15,400	LIFE	**	5	\$3,900	
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Roof Hatch</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 281/LADDER CO. 147
Asset # : 13167

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	43%	4+	\$2,100	2036	**	5	\$3,300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Steel	25%	4+	\$17,800	LIFE	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 1%</i>								
<i>Location : Coal Storage Room</i>								
Gypsum Board	5%	Now	\$7,800	LIFE	**	5	\$900	
<i>Worn/Eroded, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Kitchen</i>								
Plaster	25%	Now	\$5,600	LIFE	**	5	\$2,400	
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Apparatus Floor Ceiling</i>								
Wood	2%			LIFE	**	5	\$2,600	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2036	**			
Parking/Driveway								
Cast in Place Concrete	100%	2-4	\$1,900	2036	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Apron</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2031	\$63,500	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 350 Amperes. Missing Cover</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	\$63,500	5	\$300	
Raceway								
Conduit	100%			2031	\$36,000	1		
Panelboards								
Fused Disc Sw	2%			2030	\$1,000	5		
Molded Case Bkrs	48%			2030	\$23,300	5	\$100	
Molded Case Bkrs	50%			2039	**	5	\$100	

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FIRE DEPARTMENT - 057
ENGINE CO. 281/LADDER CO. 147
Asset # : 13167

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Wiring								
Braided Cloth	70%	0-2	\$22,800	2056	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	30%			2031	\$9,800	1		
Motor Controllers								
Locally Mounted	100%			2048	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%	0-2	\$10,200	LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded</i>								
Lighting								
Interior Lighting								
LED	100%			2036	**			
Exterior Lighting								
LED	10%			2036	**			
No Component	90%							
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2041	**	1		
Conversion Equipment								
Steam Boiler	100%			2036	**	1	\$10,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Steam Piping/Pump	30%	Now	\$4,700	2041	**			
<i>Corroded, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Basement</i>								
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Steam Piping/Pump	70%			2031	\$55,300			
Terminal Devices								
Convactor/Radiator	100%			2029	\$80,700	1	\$3,300	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 281/LADDER CO. 147
Asset # : 13167

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Split Unit	5%	0-2	\$2,300	2036		**		
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 1st Floor Sitting Room</i>								
<i>Explanation : Defective Unit</i>								
Window/Wall Unit	60%	Now	\$1,100	2026	\$22,400	1		
<i>Not in Service, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various</i>								
No Component	35%							
Terminal Devices								
Fan Coil - 2 Pipe	5%			2036		**	1	\$200
No Component	95%							
Heat Rejection								
Air Cooled Condenser Unit	5%			2036		**	2	\$400
No Component	95%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE		**	2-5	\$2,300
<i>Other Observation, Extent : Light, Area Affected : 80%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Not Be Used</i>								
No Component	60%							
Exhaust Fans								
Roof	10%			2031	\$1,900		2	
Wall Unit	20%	0-2	\$900	2041		**	2	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Back Of Apparatus Floor</i>								
<i>Explanation : On Extended Life Time</i>								
No Component	70%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Poor Air Circulation</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	10%	0-2	\$300	2031	\$12,700		1	
<i>Not Insulated, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Brass/Copper	90%			2031	\$114,100		1	
Water Heater With Tanks								
Gas Fired	100%			2026	\$16,700		2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 281/LADDER CO. 147
Asset # : 13167

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Sanitary Piping Cast Iron	100%	Now	\$24,900	LIFE		**	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement And Apparatus Floor</i>								
<i>Corroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Causes Leaking In Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Pit Fill Up With Soil Completely. Flooding In Basement. Sewage Issue Needs To Be Take Care Urgently!</i>								
Storm Drain Piping Cast Iron	100%	Now	\$700	LIFE		**	1	
<i>Corroded, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Sump Pump(s) Submersible	100%	Now	\$300	2026	\$300	4	\$200	
<i>Malfunctioning, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Fixtures Generic	100%							

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 282/LADDER CO. 148
Address : 4210 12th AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.282 / 13168 **Yr Built/Renovated** : 1912 / 2003
Area Sq Ft : 13,756 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Jul-2019 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5597 **Lot** : 44 **BIN** : 3135859

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$105,900			
Interior Architecture	\$23,400			
Electrical	\$3,100	\$100	\$100	
Mechanical	\$2,100	\$1,900	\$7,200	\$1,800
Total	\$134,500	\$2,000	\$7,400	\$1,800
Importance Code A	\$107,700	\$300	\$300	\$300
Importance Code B	\$25,800	\$1,700	\$7,000	\$1,400
Importance Code C	\$1,000			
Total	\$134,500	\$2,000	\$7,400	\$1,800



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**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 282/LADDER CO. 148
Asset # : 13168

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$29,200	LIFE	**	5	\$18,200	
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 2nd Floor Over Window Head</i>								
Masonry: Granite	5%			LIFE	**	5	\$900	
Masonry: Limestone	10%			LIFE	**	5	\$1,700	
<i>Staining/Discoloring, Extent : Light, Area Affected : 2%</i>								
<i>Location : Front Façade</i>								
Metal Sect. OHD	5%			2043	**	5	\$3,500	
Windows								
Aluminum	100%	4+	\$2,900	2038	**	5	\$1,500	
<i>Hardware Missing, Extent : Light, Area Affected : 15%</i>								
<i>Location : 2nd Floor Latches Loose Or Broken</i>								
Parapets								
Masonry: Brick	75%	Now	\$24,800	LIFE	**	5	\$2,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Façade</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Parapets</i>								
Masonry: Limestone	15%	Now	\$4,800	LIFE	**	5	\$500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 15%</i>								
<i>Location : Coping Stones Located Over Cornice At Front Façade</i>								
Metal Rail	10%			2043	**	5-10	\$4,800	
Roof								
Modified Bitumen	90%	4+	\$44,300	2035	**			
<i>Alligatoring, Extent : Light, Area Affected : 10%</i>								
<i>Location : All Seams.</i>								
<i>Drains Inad/Misposn, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Roof.</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Upper Roof Over Locker Room And Lower Roof Over Kitchen</i>								
Skylight, Metal/Glass	10%			2050	**	10	\$3,800	
Interior								
Floors								
Cast in Place Concrete	44%			LIFE	**	5	\$14,200	
Ceramic Tile	9%			2039	**	5	\$1,300	
Wood	47%	Now	\$20,200	2058	**	5	\$6,500	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : 2nd And 3rd Floor</i>								
Interior Walls								
Ceramic Tile	10%			2039	**	5	\$2,000	
Gypsum Board	35%			LIFE	**	5	\$4,300	
Masonry: Brick	55%			LIFE	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 282/LADDER CO. 148
Asset # : 13168

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	10%			2043	**	5	\$1,500	
Exposed Struc: Steel	20%			LIFE	**			
Gypsum Board	30%	Now	\$1,500	LIFE	**	5	\$5,500	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Third Floor Locker Room</i>								
Metal Panel	10%			LIFE	**	5	\$1,800	
Plaster	30%			LIFE	**	5	\$2,800	
Site Enclosure								
Retaining Walls								
Masonry: Brick	100%			2040	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2043	**			
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%	Now	\$1,500	2050	**	5		
<i>Enclosure Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 Ampere Main Disconnect Switch</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2040	**	5	\$100	
Raceway								
Conduit	100%			2050	**	1		
Panelboards								
Fused Disc Sw	30%			2038	**	5	\$100	
Molded Case Bkrs	70%			2046	**	5	\$300	
Wiring								
Thermoplastic	100%			2050	**	1		
Motor Controllers								
Locally Mounted	100%			2035	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
LED	100%			2035	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 282/LADDER CO. 148
Asset # : 13168

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Egress Lighting								
Emergency, Battery	20%			2030	\$4,500	10	\$700	
Exit, LED	80%	Now	\$1,600	2045	**	1		
<i>Damaged Fixtures, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 1st Floor</i>								
<hr/>								
Exterior Lighting								
LED	50%			2035	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside Perimeter</i>								
<i>Explanation : Operated Via Timer</i>								
<hr/>								
No Component	50%							
<hr/>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2050	**	1		
<hr/>								
Conversion Equipment								
Hot Water Boiler	50%			2043	**	1	\$3,400	
No Component	50%							
<hr/>								
Distribution								
Hot Wtr Piping/Pump	50%	Now	\$400	2046	**	4	\$300	
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Explanation : Small Leak At Seal</i>								
<hr/>								
No Component	50%							
<hr/>								
Terminal Devices								
Convactor/Radiator	100%			2043	**	1	\$4,400	
<hr/>								
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		
<hr/>								
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	100%			2035	**	2	\$800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Four Units Total</i>								
<hr/>								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$17,900	
<hr/>								
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$7,700	
<hr/>								
Exhaust Fans								
Roof	40%			2030	\$10,400	2	\$200	
Roof	60%			2035	**	2	\$300	
<hr/>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 282/LADDER CO. 148
Asset # : 13168

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
H/C Water Piping	Brass/Copper	100%			2050	**	1	
Water Heater With Tanks	Gas Fired	100%			2028	\$16,700	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)	Non-Submersible	100%			2035	**	4	\$300
Backflow Preventer	Generic	100%			2035	**	1	\$800
Fixtures								
	Generic	100%						
Fire Suppression								
Sprinkler	Generic	100%			2050	**	1-2	\$3,900
Chemical System	No Component	95%						
	Generic	5%			2028	\$4,000	1-3	\$3,700

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 283
Address : 885 HOWARD AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.283 / 13169 **Yr Built/Renovated** : 1974 /
Area Sq Ft : 11,898 **Project Type** : FIRE DEPARTMENT
Date of Survey : 18-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3580 **Lot** : 20 **BIN** : 3081953

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$205,700	
Interior Architecture		\$154,400
Electrical	\$99,500	\$127,000
Total	\$305,200	\$281,500
Importance Code A	\$205,700	\$63,500
Importance Code B	\$99,500	\$217,900
Total	\$305,200	\$281,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$33,700		\$1,800	
Interior Architecture	\$68,000			\$700
Electrical	\$13,700	\$1,100	\$1,200	\$900
Mechanical	\$10,600	\$500	\$26,600	\$800
Site Enclosure	\$10,500			
Site Pavements	\$18,100			
Total	\$154,700	\$1,500	\$29,700	\$2,500
Importance Code A	\$33,700		\$2,000	
Importance Code B	\$74,800	\$1,500	\$27,700	\$2,500
Importance Code C	\$46,100			
Total	\$154,700	\$1,500	\$29,700	\$2,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 283
Asset # : 13169

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	0-2	\$139,700	LIFE	**	5	\$17,400	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Outside Corners And Overhead Door Pillars</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 50%</i>								
<i>Location : South, East And North Facades.</i>								
Metal/Glass Curt Wall	10%			LIFE	**	5	\$4,700	
Metal Sect. OHD	15%			2048	**	5	\$11,600	
Metal: Cage/Fence	5%	2-4	\$3,600	2036	**	5	\$2,700	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Exterior Caged Storage</i>								
Windows								
Aluminum	100%	Now	\$6,200	2039	**	5	\$700	
<i>Glazing Clouded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
Parapets								
Concrete Masonry Unit	70%			LIFE	**	5	\$2,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Lower And Upper Roof</i>								
<i>Explanation : Masonry Surfaces Painted</i>								
Metal Panel	30%			2051	**	5	\$3,700	
Roof								
Asphalt Shingle	5%			2040	**	10	\$200	
Metal Panel	5%	2-4	\$4,300	2044	**			
<i>Deteriorated Finish, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Side Yard</i>								
Modified Bitumen	80%	2-4	\$17,300	2036	**			
<i>Ponding, Extent : Light, Area Affected : 5%</i>								
<i>Location : Upper Roof</i>								
Sloped Glazing	10%	Now	\$66,000	LIFE	**	5	\$27,100	
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Corridor</i>								
<i>Glazing Clouded, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Soffits								
Metal Panel	100%	0-2	\$2,200	2041	**	5	\$1,600	
<i>Misaligned/Bulging, Extent : Light, Area Affected : 10%</i>								
<i>Location : Corner Exterior Storage</i>								
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 283
Asset # : 13169

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$25,000	
	<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>							
	<i>Location : Throughout</i>							
	<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>							
	<i>Location : Throughout</i>							
Mosaic Tile	5%	Now	\$4,400	2036	**	5	\$1,200	
	<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : 2nd Floor Bathroom</i>							
Quarry Tile	5%			2044	**	5	\$1,400	
Vinyl Tile	30%	Now	\$3,100	2031	\$154,400	3	\$2,100	
	<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>							
	<i>Location : 2nd Floor</i>							
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	5%	Now	\$1,400	2040	**	5	\$700	
	<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : 1st Floor And 2nd Floor Bath</i>							
Concrete Masonry Unit	42%	4+	\$20,200	LIFE	**	5	\$4,400	
	<i>Vertical Cracks, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : 2nd Floor Corridor</i>							
Gypsum Board	8%			LIFE	**	5	\$1,300	
Plaster	10%			LIFE	**	5	\$800	
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
AcousTileConcealSpLn	10%	Now	\$2,900	2036	**	5	\$1,200	
	<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : 2nd Floor</i>							
	<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : 2nd Floor</i>							
	<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>							
	<i>Location : 2nd Floor</i>							
AcousTileSusp.Lay-In	55%	Now	\$16,400	2036	**	5	\$5,100	
	<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>							
	<i>Location : Throughout 1st Floor</i>							
	<i>Misaligned/Bulging, Extent : Light, Area Affected : 1%</i>							
	<i>Location : Offices</i>							
	<i>Recent Repair Evident, Extent : N/A, Area Affected : 15%</i>							
	<i>Location : 1st Floor</i>							
	<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : Throughout 1st Floor</i>							
Exposed Struc: Concrete	35%	Now	\$18,900	LIFE	**	5	\$1,000	
	<i>Paint Peeling, Extent : Severe, Area Affected : 60%</i>							
	<i>Location : Apparatus Room At Doors</i>							

Site Enclosure

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 283
Asset # : 13169

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Enclosure								
Fence/Gates								
Chain Link	100%	0-2	\$10,500	2041		**		
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Parking Lot</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	2-4	\$4,200	2036		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Howard Avenue</i>								
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$2,500	2036		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over Head Door Apron</i>								
Parking/Driveway								
Asphalt	100%	Now	\$11,500	2034		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Parking Lot</i>								
<i>Potholes, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Parking Lot</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2031	\$63,500	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 350 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	\$63,500	5	\$300	
Raceway								
Conduit	90%			2031	\$32,400	1		
Conduit	10%			2041	**	1		
Panelboards								
Molded Case Bkrs	90%			2030	\$43,600	5	\$300	
Molded Case Bkrs	10%			2039	**	5		
Wiring								
Thermoplastic	90%			2031	\$29,300	1		
Thermoplastic	10%			2041	**	1		
Motor Controllers								
Locally Mounted	50%			2029	\$8,900	5		
Locally Mounted	50%			2048	**	5		

Ground

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 283
Asset # : 13169

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%	2-4	\$10,200	LIFE	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded</i>								
Stand-by Power								
Transfer Switches Automatic	100%			2029	\$12,900	1	\$3,700	
Generators Diesel	100%			2027	\$99,500	1	\$4,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Available Nameplate Rating Capacity</i>								
Batteries Lead/Acid	100%			2024	\$2,400	5	\$400	
Fuel Storage Day Tank	5%			2030	\$1,300	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : 10 Gallons Rated Capacity</i>								
Underground Storage	95%			LIFE	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Underground</i>								
<i>Explanation : No Available Nameplate Rating Capacity</i>								
Lighting								
Interior Lighting LED	100%			2036	**			
Egress Lighting Emergency, Service	100%			2036	**	1		
Exterior Lighting LED	20%			2039	**			
No Component	80%							
Alarm								
Security System No Component	80%							
Generic	20%			2031	\$4,400	1	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside Perimeter</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2041	**	1		

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 283
Asset # : 13169

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment Under Construction	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : Boiler Replacement Is In Progress.</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2039	**	4	\$600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : There Is Only 1 Thermostat In The Building</i>								
Terminal Devices								
Convactor/Radiator	70%	0-2	\$1,300	2036	**	1	\$2,400	
<i>Not in Service, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Chiefs Office And Back Of The Kitchen</i>								
Unit Heater - Hot Water	30%			2041	**			
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	40%	0-2	\$2,500	2036	**	2	\$200	
<i>Not in Service, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1 Out Of 3 Units, Roof</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 3 Units. R-410a</i>								
Split Unit	10%			2036	**			
Window/Wall Unit	20%	0-2	\$2,600	2026	\$8,800	1		
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Various Locations</i>								
No Component	30%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2036	**	1	\$400	
No Component	90%							
Heat Rejection								
Air Cooled Condenser Unit	10%			2036	**	2	\$800	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	60%			LIFE	**	2-5	\$4,000	
<i>Needs Cleaning, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor Locker Room</i>								
No Component	40%							

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 283
Asset # : 13169

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Ventilation								
	Exhaust Fans							
	Roof	60%			2031	\$13,500	2	\$200
	Wall Unit	40%			2031	\$2,000	2	\$100
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2041	* *	1	
	Water Heater With Tanks							
	Gas Fired	100%			2026	\$16,700	2	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : Two 75 Gallon Units</i>				
	Sanitary Piping							
	Cast Iron	10%	Now	\$2,900	LIFE	* *	1	
				<i>Blockage /Clogged, Extent : Severe, Area Affected : 30%</i>				
				<i>Location : Water Backup In Basement</i>				
	Cast Iron	90%			LIFE	* *	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	* *	1	
	Fixtures							
	Generic	100%						
Fire Suppression								
	Sprinkler							
	No Component	90%						
	Generic	10%			2031	\$16,100	1-2	\$300
	Chemical System							
	No Component	99%						
	Generic	1%			2024	\$800	1-3	\$800
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Kitchen</i>				
				<i>Explanation : 1 Set</i>				

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 284/LADDER CO. 149
Address : 1157 79th STREET BTWN 11TH AVE - 12TH AVE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.284 / 13170 **Yr Built/Renovated** : 1913 / 1999
Area Sq Ft : 10,350 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 6254 **Lot** : 53 **BIN** : 3161800

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$184,500	
Interior Architecture	\$61,700	
Electrical		\$127,000
Mechanical		\$66,100
Total	\$246,200	\$193,100
Importance Code A	\$184,500	\$63,500
Importance Code B	\$61,700	\$129,600
Total	\$246,200	\$193,100

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$46,900	\$11,900		\$12,600
Interior Architecture	\$93,100	\$2,600	\$900	
Electrical			\$100	\$2,200
Mechanical	\$5,100	\$1,600	\$1,700	\$61,200
Site Enclosure	\$20,600			
Total	\$165,800	\$16,100	\$2,700	\$76,000
Importance Code A	\$47,900	\$12,900	\$1,000	\$13,800
Importance Code B	\$12,800	\$2,100	\$1,700	\$62,200
Importance Code C	\$105,100	\$1,200		
Total	\$165,800	\$16,100	\$2,700	\$76,000



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 284/LADDER CO. 149
Asset # : 13170

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$184,500	LIFE	**	5	\$22,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Sides And Back Of Building</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd And 3rd Floor Living Space</i>								
Masonry: Granite	5%			LIFE	**	5	\$1,100	
Masonry: Limestone	5%			LIFE	**	5	\$1,100	
Metal Sect. OHD	10%			2045	**	5	\$9,000	
Windows								
Aluminum	100%	Now	\$16,200	2048	**	5	\$1,700	
<i>Crack/Balnc Not Funct, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bunk Rooms And Kitchen</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd And 3rd Floor Windows</i>								
Parapets								
Cast Stone/Terra Cotta	20%	Now	\$11,900	LIFE	**	5	\$5,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Third Floor</i>								
Masonry: Brick	30%	Now	\$6,200	LIFE	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Exterior Parapet</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Exterior Parapet</i>								
Metal Rail	20%			2045	**	5-10	\$12,200	
Stucco Cement	30%	Now	\$12,200	2037	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Interior Of Parapet Walls</i>								
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Interior Of Parapet Upper Roof</i>								
Roof								
Asphalt Shingle	10%	Now	\$400	2041	**			
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Gymnasium</i>								
Modified Bitumen	90%			2037	**	10	\$12,600	
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 284/LADDER CO. 149
Asset # : 13170

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$19,200	
Ceramic Tile	10%			2041	**	5	\$1,800	
Quarry Tile	5%			2045	**	5	\$1,300	
Vinyl Tile	35%			2037	**	3	\$2,300	
Interior Walls								
Ceramic Tile	5%	Now	\$38,800	2047	**	5	\$600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
Ceramic Tile	10%			2035	**	5	\$2,400	
Masonry: Brick	35%	0-2	\$31,400	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Plaster	50%	Now	\$14,300	LIFE	**	5	\$3,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : First And Second Floors</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor Door To Roof Deck</i>								
Ceilings								
AcousTileSusp.Lay-In	35%	Now	\$5,000	2045	**	5	\$3,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 3rd Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Around Windows And Gymnasium</i>								
Exposed Struc: Steel	30%	2-4	\$61,700	LIFE	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Below Apron</i>								
Plaster	35%	Now	\$3,600	LIFE	**	5	\$3,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : First Floor</i>								
Site Enclosure								
Fence/Gates								
Iron Picket	100%			2067	**			
Free Standing Walls								
Masonry: Brick	39%	Now	\$20,600	2042	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Yard Side Walls Coping</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Rear Yard Side Walls</i>								
Masonry: Brick	61%			2042	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2037	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 284/LADDER CO. 149
Asset # : 13170

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Parking/Driveway

Cast in Place Concrete	100%			2045		**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2032	\$63,500	5	\$300	
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Electrical Room**Explanation : Main Service Disconnect Switch Rated At 200 Amperes.*

Switchgear / Switchboard

Molded Case Bkrs	100%			2032	\$63,500	5	\$300	
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Raceway

Conduit	100%			2032	\$36,000	1		
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Panelboards

Fused Disc Sw	5%			2031	\$2,400	5		
Molded Case Bkrs	85%			2031	\$41,200	5	\$200	
Molded Case Bkrs	10%			2048	**	5		

Wiring

Thermoplastic	80%			2032	\$26,000	1		
Thermoplastic	20%			2052	**	1		

Motor Controllers

Locally Mounted	100%			2030	\$17,800	5	\$100	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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Lighting

Interior Lighting

Fluorescent	20%			2037	**	10	\$1,900	
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : T-8 Lamps*

LED	80%			2040	**			
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Exterior Lighting

LED	30%			2040	**			
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No Component	70%							
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Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas	100%			2058	**	1		
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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 284/LADDER CO. 149
Asset # : 13170

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment								
Furnace	5%			2032	\$1,600	1	\$300	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Gymnasium</i>								
<i>Explanation : 1 Modine Gas Fire Unit</i>								
Steam Boiler	95%			2045	**	1	\$9,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Steam Piping/Pump	95%			2042	**			
No Component	5%							
Terminal Devices								
Convactor/Radiator	80%			2030	\$66,100	1	\$2,700	
Fan Coil Unit/Heat	15%			2032	\$37,600	1	\$500	
No Component	5%							
Air Conditioning								
Energy Source								
Electricity	100%			2040	**	1		
Conversion Equipment								
Split Unit	10%			2027	\$24,000			
<i>R-22 Refrigerant, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2 Units, Roof</i>								
Window/Wall Unit	60%			2027	\$23,000	1		
No Component	30%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2037	**	1	\$300	
No Component	90%							
Heat Rejection								
Evaporative Condenser	10%			2027	\$3,700	2	\$700	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	**	2-5	\$2,300	
No Component	60%							
Exhaust Fans								
Interior	20%			2027	\$9,000	2	\$100	
Roof	20%			2032	\$3,900	2	\$100	
Wall Unit	10%			2032	\$400	2		
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	80%			2042	**	1		
Galvanized Steel	20%	Now	\$500	2030	\$25,800	1		
<i>Corroded, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Water Main And Connecting Piping, Basement</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 284/LADDER CO. 149
Asset # : 13170

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Water Heater With Tanks Gas Fired	100%			2030	\$16,700	2		
Sanitary Piping Cast Iron	100%	0-2	\$2,500	LIFE	**	1		
		<i>Corroded, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Basement</i>						
Storm Drain Piping Cast Iron	100%	Now	\$700	LIFE	**	1		
		<i>Corroded, Extent : Severe, Area Affected : 10%</i>						
		<i>Location : Basement</i>						
Sump Pump(s) Non-Submersible	100%			2037	**	4	\$300	
Fixtures								
Generic	100%							
		<i>Obsolete Fixtures, Extent : Severe, Area Affected : 20%</i>						
		<i>Location : Kitchen</i>						

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 285/LADDER CO. 142
Address : 103-17 98th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.285 / 13171 **Yr Built/Renovated** : 1913 /
Area Sq Ft : 10,112 **Project Type** : FIRE DEPARTMENT
Date of Survey : 19-Dec-2018 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 9121 **Lot** : 11 **BIN** : 4438526

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture	\$67,100	
Total	\$67,100	
Importance Code C	\$67,100	
Total	\$67,100	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$26,900	\$10,100		
Interior Architecture	\$20,000		\$900	\$100
Electrical	\$700	\$3,400	\$800	\$700
Mechanical	\$7,600	\$13,700	\$1,800	\$1,900
Total	\$55,200	\$27,200	\$3,500	\$2,700
Importance Code A	\$27,900	\$11,100	\$1,000	\$1,000
Importance Code B	\$27,300	\$16,100	\$2,500	\$1,700
Importance Code C				
Total	\$55,200	\$27,200	\$3,500	\$2,700



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 285/LADDER CO. 142
Asset # : 13171

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	10%	0-2	\$13,300	LIFE	**	5	\$21,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Window Sills On Various Floors</i>								
Masonry: Brick	70%			LIFE	**	5	\$19,200	
Masonry: Limestone	5%			LIFE	**	5	\$1,000	
Metal Sect. OHD	15%			2043	**	5	\$12,900	
Windows								
Aluminum	100%	0-2	\$12,800	2038	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 2nd Floor And 3rd Floor</i>								
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$900	
Metal Panel	10%	4+	\$800	2050	**	5	\$200	
<i>Deformed/Dented, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Parapet Coping Cover</i>								
<i>Seams Open/Split, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Parapet Coping Cover</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Parapet Coping Cover</i>								
Roof								
Metal, Corrugated	5%			2035	**	1		
Modified Bitumen	95%			2035	**	10	\$10,100	
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	**	5	\$9,900	
<i>Recent Repair Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
Ceramic Tile	6%			2043	**	5	\$900	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Bathrooms</i>								
Quarry Tile	5%			2043	**	5	\$1,100	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	45%			2038	**	3	\$2,600	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Vinyl Tile	5%	Now	\$6,100	2040	**	3	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Staircase Landings</i>								
Wood	9%			2058	**	5	\$2,600	

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FIRE DEPARTMENT - 057
ENGINE CO. 285/LADDER CO. 142
Asset # : 13171

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%			2043	**	5	\$800	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Bathrooms</i>								
Masonry: Brick	20%			LIFE	**			
Plaster	50%			LIFE	**	5	\$2,300	
SGFT/Glazed Masonry	25%	4+	\$67,100	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Apparatus Floor</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
Ceilings								
AcousTileSusp.Lay-In	5%			2043	**	5	\$800	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Concrete	30%	4+	\$13,900	LIFE	**	5	\$700	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Plaster	65%			LIFE	**	5	\$6,400	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2050	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2047	**			
On-Site Walkways								
Cast in Place Concrete	100%			2047	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2050	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 400 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2050	**	5	\$300	
Raceway								
Conduit	100%			2050	**	1		
Panelboards								
Molded Case Bkrs	100%			2046	**	5	\$300	

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 285/LADDER CO. 142
Asset # : 13171

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Wiring								
Thermoplastic	100%			2050	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2047	**	1	\$3,100	
Generators								
Diesel	100%			2043	**	1	\$3,900	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Generator Room</i>						
		<i>Explanation : Emergency Generator Rated At 50 Kilowatts</i>						
Batteries								
Lead/Acid	100%			2025	\$2,400	5	\$400	
Fuel Storage								
Day Tank								
	10%			2052	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Generator Room</i>						
		<i>Explanation : 25 Gallons Rated Capacity</i>						
Main Tank	90%			2065	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 275 Gallons Rated Capacity</i>						
Lighting								
Interior Lighting								
LED	100%			2038	**			
Egress Lighting								
Emergency, Service	50%			2038	**	1		
Exit, LED	50%			2065	**	1		
Exterior Lighting								
HID	30%			2035	**	10		
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2056	**	1		
Conversion Equipment								
Steam Boiler	100%			2043	**	1	\$10,000	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						

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FIRE DEPARTMENT - 057
ENGINE CO. 285/LADDER CO. 142
Asset # : 13171

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
Distribution								
	Steam Piping/Pump	100%	0-2	\$1,600	2040	**		
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Terminal Devices								
	Convactor/Radiator	80%	0-2	\$1,300	2035	**	1	\$2,300
<i>Corroded, Extent : Light, Area Affected : 30%</i>								
<i>Location : 2nd And 3rd Floors</i>								
	Unit Heater - Steam	20%			2025	\$11,200	4	\$300
Air Conditioning								
Energy Source								
	Electricity	100%			2046	**	1	
Conversion Equipment								
	Split Unit	30%	0-2	\$3,500	2035	**		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 3 Units. R-410a. Unit For Kichen Is Inefficient.</i>								
	Window/Wall Unit	25%			2028	\$9,400	1	
	No Component	45%						
Terminal Devices								
	Fan Coil - 2 Pipe	30%			2035	**	1	\$1,000
	No Component	70%						
Heat Rejection								
	Dry Cooler	30%			2035	**	2	\$2,100
	No Component	70%						
Ventilation								
Distribution								
	Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,700
	No Component	70%						
Exhaust Fans								
	Interior	30%			2035	**	2	\$100
	Roof	10%			2035	**	2	
	Wall Unit	20%			2035	**	2	\$100
	No Component	40%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2050	**	1	
Water Heater With Tanks								
	Gas Fired	100%			2028	\$16,700	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	

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FIRE DEPARTMENT - 057
ENGINE CO. 285/LADDER CO. 142
Asset # : 13171

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sump Pump(s)							
	Submersible	100%			2025	\$300	4	\$300
Fixtures								
	Generic	100%						
Fire Suppression								
	Chemical System							
	No Component	98%						
	Generic	2%			2029	\$1,600	1-3	\$1,500
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : 1 Set</i>						

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 286/LADDER CO. 135
Address : 66-44 MYRTLE AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.286 / 13172 **Yr Built/Renovated** : 1913 /
Area Sq Ft : 8,772 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Jan-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3700 **Lot** : 21 **BIN** : 4090228

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$228,200	\$100,000
Interior Architecture	\$84,400	
Electrical		\$63,500
Mechanical		\$13,700
Total	\$312,600	\$177,200
Importance Code A	\$228,200	\$163,500
Importance Code B	\$84,400	\$13,700
Total	\$312,600	\$177,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$57,900		\$10,500	\$300
Interior Architecture	\$111,500	\$1,000	\$500	\$700
Electrical	\$100	\$100	\$11,600	\$100
Mechanical	\$24,700	\$1,200	\$3,300	\$1,200
Site Enclosure	\$5,100			
Site Pavements	\$3,200			
Total	\$202,600	\$2,300	\$25,800	\$2,300
Importance Code A	\$58,800	\$900	\$11,400	\$1,200
Importance Code B	\$87,300	\$500	\$14,400	\$1,200
Importance Code C	\$56,500	\$1,000		
Total	\$202,600	\$2,300	\$25,800	\$2,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 286/LADDER CO. 135
Asset # : 13172

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	73%	Now	\$163,800	LIFE	**	5	\$20,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Sides And Rear Facade</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Sides And Rear Facades</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Facade</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Sides And Rear Facades</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Rear And West Facade</i>								
Masonry: Granite	2%	4+	\$900	LIFE	**	5	\$400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Along Base At Overhead Door Entrance Corners</i>								
Masonry: Limestone	10%	4+	\$64,400	LIFE	**	5	\$2,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Third And Second Floor Window Openings, Horizontal Band</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Horizontal Band At Third Floor</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : First Floor Cornice</i>								
Wood Overhead Doors	15%			2036	**	5	\$20,900	
Windows								
Aluminum	85%			2047	**	5	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Second And Third Floor Main Rooms</i>								
<i>Explanation : New Windows Four Years Ago</i>								
Aluminum	15%	Now	\$4,900	2056	**	5	\$100	
<i>Air Infiltration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : First Floor And All Bathrooms</i>								
<i>Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 100%</i>								
<i>Location : First Floor And All Bathrooms</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 286/LADDER CO. 135
Asset # : 13172

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Parapets								
Cast in Place Concrete	10%	Now	\$900	LIFE	**	5	\$1,100	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Copping Stones</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : All Facades</i>								
Masonry: Brick	80%	Now	\$10,100	LIFE	**	5	\$800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : All Facades</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : All Parapets</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : All Facades</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : All Facades</i>								
Masonry: Limestone	10%	Now	\$1,200	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade Cornice</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Front Facade Cornice</i>								
Roof								
Modified Bitumen	95%	Now	\$40,000	2031	\$100,000			
<i>Blisters, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								
<i>Ridging, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Main Roof</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Main Roof And Lower Roof</i>								
Skylight, Metal/Glass	5%			2041	**	10	\$1,600	
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 286/LADDER CO. 135
Asset # : 13172

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$43,600	LIFE	**	5	\$11,500	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Various Locations In The Cellar, At Vault Area, Center And Rear</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Slab Is Currently Shored With Temporary Columns To Carry Truck Load, Repair And Replacement Is Required</i>								
Ceramic Tile	8%	Now	\$1,200	2034	**	5	\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen And Dining Floor And Base Tile</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen And Dining Floor And Base Tile</i>								
Quarry Tile	2%	0-2	\$1,900	2036	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 4%</i>								
<i>Location : First Floor Toilet And Corridor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : First Floor Toilet And Corridor</i>								
Sheet Vinyl/Rubber	5%			2036	**	5	\$1,000	
Vinyl Tile	45%	Now	\$3,200	2036	**	3	\$2,200	
<i>Adhesion Failure, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Base Tile At Second And Third Floor Corridors</i>								

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Estimates are rounded to the nearest hundred dollars.
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FIRE DEPARTMENT - 057
ENGINE CO. 286/LADDER CO. 135
Asset # : 13172

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	15%			2040	**	5	\$2,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen And Bathroom Tiles</i>								
<i>Explanation : Renovated Four Years Ago</i>								
Ceramic Tile	5%			2034	**	5	\$700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Painted Tile</i>								
Gypsum Board	30%			LIFE	**	5	\$2,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Second And Third Floor</i>								
<i>Explanation : Renovated Four Years Ago</i>								
Masonry: Brick	15%	Now	\$18,200	LIFE	**			
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Vault Area At Front</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement Front And Side Walls</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front Of Building</i>								
<i>Water Penetration, Extent : Light, Area Affected : 15%</i>								
<i>Location : Front And Rear Of Building</i>								
Masonry: Brick	25%	Now	\$30,300	LIFE	**			
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Second And Third Floor Perimeter Walls</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Second And Third Floor Perimeter Walls</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Second And Third Floor Perimeter Walls</i>								
Plaster	10%	Now	\$1,600	LIFE	**	5	\$400	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement Stairs</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement Stairs</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Cellar Hatch</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 286/LADDER CO. 135
Asset # : 13172

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	55%	Now	\$5,600	2044	**	5	\$3,400	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Second And Third Floors</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Kitchen, Second And Third Floor</i>								
Exposed Struc: Concrete	23%	Now	\$84,400	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement Beams And Slab At Rear</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 33%</i>								
<i>Location : Basement Vaults At Myrtle Avenue Facade</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 33%</i>								
<i>Location : Basement</i>								
<i>Explanation : Concrete Ceiling Is Temporarily Shored With Steel Columns To Carry Truck Load, Future Replacement And Repair Is Required.</i>								
Exposed Struc: Steel	2%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Vault</i>								
Gypsum Board	5%			LIFE	**	5	\$800	
Plaster	15%	Now	\$5,600	LIFE	**	5	\$1,200	
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Stair To Basement And Apparatus Floor Towards Kitchen</i>								
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement Stair</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Stair To Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apparatus Floor Towards Kitchen</i>								
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%	Now	\$5,100	2041	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Side Yard</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$2,300	2036	**			
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 10%</i>								
<i>Location : At Curb And Street Joint</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Curb And Street Joint</i>								
<i>Explanation : Water Ponding Penetrating Into Vault At Basement</i>								
On-Site Walkways								
Cast in Place Concrete	100%	2-4	\$900	2036	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Side Yard</i>								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 286/LADDER CO. 135
Asset # : 13172

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2031	\$63,500	5	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Main Service Disconnect Switch Rated At 400 Amperes.</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2041	**	5	\$200	
Raceway								
Conduit	100%			2041	**	1		
Panelboards								
Molded Case Bkrs	50%			2039	**	5	\$100	
Molded Case Bkrs	50%			2030	\$24,200	5	\$100	
Wiring								
Thermoplastic	100%			2041	**	1		
Motor Controllers								
Locally Mounted	100%			2036	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	100%			2036	**	10	\$8,000	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : T-8 Lamps</i>						
Egress Lighting								
Emergency, Battery	50%			2031	\$7,200	10	\$1,100	
Exit, Service	50%			2031	\$1,800	1		
Exterior Lighting								
HID	20%			2031	\$8,000	10		
No Component	80%							
Alarm								
Security System								
No Component	80%							
Generic	20%			2026	\$3,200	1	\$700	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Front Of The Building</i>						
		<i>Explanation : CCTV Surveillance Cameras</i>						

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2041	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 286/LADDER CO. 135
Asset # : 13172

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment								
Steam Boiler	100%			2044	**	1	\$8,700	
Distribution								
Steam Piping/Pump	20%			2031	\$13,700			
Steam Piping/Pump	80%			2057	**			
Terminal Devices								
Convactor/Radiator	90%			2044	**	1	\$2,600	
Unit Heater - Steam	10%	0-2	\$2,900	2041	**	4	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : 2 Obsolete Units</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Split Unit	10%	0-2	\$1,000	2036	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Lower Roof</i>								
<i>Explanation : 2 Inefficient Units, R-410a</i>								
Split Unit	10%			2039	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Lower Roof</i>								
<i>Explanation : R-410a</i>								
Window/Wall Unit	40%			2024	\$13,000	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	20%			2036	**	1	\$600	
No Component	80%							
Heat Rejection								
Air Cooled Condenser	20%			2036	**	2	\$1,200	
Unit								
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	25%			LIFE	**	2-5	\$1,200	
No Component	75%							
Exhaust Fans								
Interior	10%	0-2	\$3,800	2041	**	2		
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Bathrooms</i>								
Roof	10%			2031	\$1,700	2		
Wall Unit	20%			2026	\$700	2	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Apparatus Floor Air Circulation Is Poor</i>								
No Component	60%							

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Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 286/LADDER CO. 135

Asset # : 13172

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
H/C Water Piping	Brass/Copper	100%			2041	**	1	
Water Heater With Tanks	Gas Fired	100%			2029	\$16,700	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : 75 Gallon Heater</i>								
Sanitary Piping	Cast Iron	100%	0-2	\$2,200	LIFE	**	1	
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Water Backs Up On Apparatus Floor</i>								
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)	Submersible	100%			2024	\$300	4	\$300
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System	No Component	99%						
	Generic	1%			2026	\$800	1-3	\$700
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 287/LADDER CO. 136
Address : 86-53 GRAND AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.287 / 13173 **Yr Built/Renovated** : 1913 /
Area Sq Ft : 8,800 **Project Type** : FIRE DEPARTMENT
Date of Survey : 15-Nov-2019 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2477 **Lot** : 26 **BIN** : 4057367

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$435,000	
Interior Architecture		\$103,000
Mechanical		\$251,600
Total	\$435,000	\$354,500
Importance Code A	\$435,000	
Importance Code B		\$354,500
Total	\$435,000	\$354,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$92,500		\$3,600	
Interior Architecture	\$69,700	\$500	\$500	
Electrical	\$700	\$3,200	\$6,300	\$600
Mechanical	\$60,300	\$2,200	\$6,000	\$2,000
Total	\$223,100	\$5,900	\$16,400	\$2,600
Importance Code A	\$92,900	\$400	\$4,100	\$400
Importance Code B	\$76,800	\$5,500	\$12,300	\$2,200
Importance Code C	\$53,500			
Total	\$223,100	\$5,900	\$16,400	\$2,600



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 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 287/LADDER CO. 136
Asset # : 13173

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Copper/Terne	3%	4+	\$25,000	2066	**			
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Cornice At Front Of Building</i>								
Masonry: Brick	70%	Now	\$297,600	LIFE	**	5	\$18,500	1
<i>Diagonal Cracks, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Front And Rear Facade</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Exterior Wall Of Kitchen And Side Yard Due To Adjacent Construction</i>								
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Side And Rear Of Building</i>								
<i>Explanation : Structural Damage To Masonry Wall</i>								
Masonry: Granite	2%			LIFE	**	5	\$400	
Masonry: Limestone	10%			LIFE	**	5	\$2,000	
Metal Sect. OHD	5%			2044	**	5	\$4,100	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Front Elevation</i>								
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
<i>Explanation : Fiberglass Overhead Door</i>								
Stucco Cement	10%			2036	**	5	\$6,600	
Windows								
Aluminum	100%	0-2	\$38,500	2047	**	5	\$1,400	
<i>Air Infiltration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Side Yard Windows Are Out Of Plumb In Masonry Opening</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$27,000	LIFE	**	5	\$2,400	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Cast Stone Copings At Parapet</i>								
Masonry: Brick	85%	Now	\$63,800	LIFE	**	5	\$2,600	1
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Throughout Parapets</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Rear Perimeter Of Building</i>								
Metal Panel	5%			2051	**	5	\$600	
Roof								
Modified Bitumen	97%	Now	\$73,600	2036	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout Main Roof</i>								
<i>Explanation : Water Penetration Reported Previously Results From Open And Missing Mortar Joint In Brick Parapets</i>								
Skylight, Metal/Glass	3%			2041	**	10	\$1,200	

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 287/LADDER CO. 136
Asset # : 13173

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	55%			LIFE	**	5	\$15,300	
Ceramic Tile	10%			2034	**	5	\$1,300	
Quarry Tile	5%			2036	**	5	\$1,000	
Vinyl Tile	30%			2031	\$103,000	3	\$1,400	
Interior Walls								
Ceramic Tile	15%			2034	**	5	\$2,400	
Ceramic Tile	25%	Now	\$28,800	2040	**	5	\$2,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Various Locations In Apparatus Room, Around Windows</i>								
Gypsum Board	30%	Now	\$1,300	LIFE	**	5	\$2,900	
<i>Water Penetration, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Second Floor Office At Windows</i>								
Masonry: Brick	15%	Now	\$22,200	LIFE	**			
<i>Vertical Cracks, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
Plaster	15%			LIFE	**	5	\$700	
Ceilings								
AcousTileSusp.Lay-In	35%	Now	\$14,500	2044	**	5	\$2,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Kitchen And Second Floor Perimeter</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Kitchen And Second Floor Perimeter</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Kitchen And Second Floor Perimeter</i>								
Exposed Struc: Steel	30%			LIFE	**			
Gypsum Board	5%	Now	\$1,100	LIFE	**	5	\$800	
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Soffit Of 2nd Floor Windows</i>								
Plaster	30%			LIFE	**	5	\$2,400	
Site Enclosure								
Fence/Gates								
Chain Link	50%			2051	**			
Chain Link	50%			2041	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

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FIRE DEPARTMENT - 057
ENGINE CO. 287/LADDER CO. 136
Asset # : 13173

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2041	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Electrical Room Basement</i>						
		<i>Explanation : One 600 Ampere Main Disconnect Switch</i>						
Switchgear / Switchboard								
Fused Disc Sw	100%			2041	**	5		
Raceway								
Conduit	100%			2041	**	1		
Panelboards								
Fused Disc Sw	5%			2039	**	5		
Molded Case Bkrs	95%			2039	**	5	\$200	
Wiring								
Thermoplastic	100%			2041	**	1		
Motor Controllers								
Locally Mounted	100%			2036	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	**	1	\$2,700	
Generators								
Diesel	100%			2040	**	1	\$3,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : One 64 Kilowatts</i>						
Batteries								
Lead/Acid	100%			2025	\$2,400	5	\$300	
Fuel Storage								
Day Tank	50%			2047	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : One 60 Gallons</i>						
Main Tank	50%			2046	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 550 Gallons</i>						
Lighting								
Interior Lighting								
Fluorescent	70%			2036	**	10	\$5,700	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
LED	30%			2039	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 287/LADDER CO. 136
Asset # : 13173

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Egress Lighting

Emergency, Service

35%

2031

\$1,900

1

Emergency, Service

15%

2039

* *

1

No Component

50%

Exterior Lighting

HID

30%

2031

\$12,000

10

No Component

70%

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2051

* *

1

Conversion Equipment

Furnace

50%

2036

* *

1

\$2,200

*Recent Replace Evident, Extent : N/A, Area Affected : 100%**Location : Rooftop*

Hot Water Boiler

50%

2036

* *

1

\$2,200

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 5 Boilers Piped Together*

Distribution

Ductwork/Diffusers

50%

LIFE

* *

2-5

\$2,500

Hot Wtr Piping/Pump

50%

2039

* *

4

\$200

Terminal Devices

Air Handler

50%

2036

* *

1

\$2,700

Convactor/Radiator

40%

2044

* *

1

\$1,100

Unit Heater - Steam

10%

2036

* *

4

\$100

*Other Observation, Extent : Moderate, Area Affected : 25%**Location : Apparatus Room**Explanation : 2 Units*

Air Conditioning

Energy Source

Electricity

100%

2047

* *

1

Conversion Equipment

Exterior Pkg Unit -

Cooling

90%

0-2

\$25,400

2031

\$84,800

2

\$400

*Other Observation, Extent : Severe, Area Affected : 80%**Location : Roof**Explanation : The Air Conditioning Units Blows Hot Air Instead Of Cold Air. Building**Extremely Hot In Summer*

Window/Wall Unit

10%

2029

\$3,300

1

*Other Observation, Extent : Moderate, Area Affected : 10%**Location : Engine Office Room**Explanation : Engine Office Air Conditioning Wall Unit Is Not Working*

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FIRE DEPARTMENT - 057
ENGINE CO. 287/LADDER CO. 136
Asset # : 13173

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Distribution								
Ductwork/Diffusers	90%			LIFE	**	2	\$10,300	
No Component	10%							
Terminal Devices								
Air Handler/Cool/Ht	100%	0-2	\$33,400	2031	\$166,800	1	\$4,900	
<i>Other Observation, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Rooftop Unit</i>								
<i>Explanation : The Air Conditioning System Is Malfunctioning.</i>								
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,900	
Exhaust Fans								
Interior	50%			2036	**	2	\$100	
Roof	50%			2036	**	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	**	1		
Water Heater With Tanks								
Electric	100%			2029	\$23,100	4		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 120 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2025	\$300	4	\$300	
Sewage Ejector(s)								
Electric	100%			2036	**	4	\$500	
Fixtures								
Generic	100%							
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Kitchen Sink Constantly Backing Up.</i>								
Fire Suppression								
Sprinkler								
No Component	25%							
Generic	75%			2051	**	1-2	\$1,800	
Chemical System								
Wet	5%			2029	\$4,000	1-3	\$4,200	
No Component	95%							

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 289/LADDER CO. 138
Address : 97-28 43rd AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.289 / 13175 **Yr Built/Renovated** : 1913 / 2002
Area Sq Ft : 7,990 **Project Type** : FIRE DEPARTMENT
Date of Survey : 25-Feb-2020 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1628 **Lot** : 18 **BIN** : 4040712

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$159,600	\$127,300
Interior Architecture	\$136,500	
Electrical		\$10,600
Total	\$296,100	\$137,900
Importance Code A	\$159,600	\$127,300
Importance Code B	\$136,500	\$10,600
Total	\$296,100	\$137,900

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$87,900	\$100		
Interior Architecture	\$149,800		\$2,000	\$800
Electrical	\$100		\$100	
Mechanical	\$8,500	\$1,100	\$8,000	\$1,200
Site Pavements	\$12,000			
Total	\$258,300	\$1,200	\$10,000	\$1,900
Importance Code A	\$88,600	\$800	\$800	\$700
Importance Code B	\$79,300	\$400	\$9,200	\$1,200
Importance Code C	\$90,300			
Total	\$258,300	\$1,200	\$10,000	\$1,900



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**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 289/LADDER CO. 138
Asset # : 13175

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	2-4	\$159,600	LIFE	**	5	\$18,100	
<i>Painted Surfaces, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Above Windows And Door Openings</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Side Elevation - Alley Side, 1st To 3rd Floor</i>								
Masonry: Granite	3%			LIFE	**	5	\$600	
Masonry: Limestone	20%	2-4	\$43,600	LIFE	**	5	\$3,900	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 2%</i>								
<i>Location : Front Elevation</i>								
Metal Sect. OHD	7%			2044	**	5	\$5,700	
Windows								
Aluminum	100%			2053	**	5	\$1,700	
Parapets								
Copper/Terne	2%			2075	**	5	\$300	
Masonry: Brick	88%			LIFE	**	5	\$2,300	
<i>Painted Surfaces, Extent : Light, Area Affected : 100%</i>								
<i>Location : Parapet</i>								
Masonry: Granite	10%			LIFE	**	5	\$300	
Roof								
Copper/Terne	3%	0-2	\$3,200	2046	**			
<i>Drains Clogged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 3rd Floor At Base Of Copper Roofs</i>								
Modified Bitumen	85%	0-2	\$38,200	2031	\$127,300			
<i>Alligatoring, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Upper Roof</i>								
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Upper Roof</i>								
<i>Ponding, Extent : Light, Area Affected : 5%</i>								
<i>Location : Upper And Lower Roof</i>								
Slate	12%			LIFE	**			
Interior								
Floors								
Cast in Place Concrete	38%			LIFE	**	5	\$11,000	
Mosaic Tile	10%			2036	**	5	\$3,300	
Quarry Tile	3%			2036	**	5	\$600	
Terrazzo	2%			LIFE	**	5	\$200	
Vinyl Tile	47%	2-4	\$18,400	2041	**	3	\$2,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 289/LADDER CO. 138
Asset # : 13175

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%	Now	\$1,000	2034	**	5	\$400	
<i>Adhesion Failure, Extent : Light, Area Affected : 5%</i>								
<i>Location : Bathrooms</i>								
Masonry: Brick	25%	0-2	\$43,700	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement Columns</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement Wall Near Sidewalk Hatch And 3rd Floor</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement, Stairwell</i>								
Granite Panels	5%	0-2	\$16,600	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Bathroom</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bathroom</i>								
Plaster	65%	Now	\$29,000	LIFE	**	5	\$3,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Third Floor, Third Floor Roof Access</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Stair</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Stairwell, 3rd Floor Roof Access</i>								
Ceilings								
AcousTileSusp.Lay-In	5%	Now	\$2,400	2044	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Engine Office, Restroom Next To Engine Office</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Engine Office, Restroom Next To Engine Office, Rear Sitting Room</i>								
Exposed Struc: Concrete	10%	0-2	\$10,600	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Exposed Struc: Steel	20%	2-4	\$136,500	LIFE	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
Plaster	65%	Now	\$28,100	LIFE	**	5	\$5,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Second And Third Floor Restrooms</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Third Floor, Stairwell</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second And Third Floor Restrooms And Engine Office</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 289/LADDER CO. 138
Asset # : 13175

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Enclosure

Fence/Gates

Chain Link

100%

2041

* *

Site Pavements

Public Sidewalk

Cast in Place Concrete

100%

Now

\$12,000

2051

* *

*Other Observation, Extent : Severe, Area Affected : 10%**Location : Sidewalk Hatch Leaking Into Basement**Explanation : Leaking Hatch*

Parking/Driveway

Cast in Place Concrete

100%

2044

* *

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw

100%

2051

* *

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Main Service Disconnect Switch Rated At 200 Amperes.*

Switchgear / Switchboard

Fused Disc Sw

100%

2041

* *

5

Raceway

Conduit

100%

2041

* *

1

Panelboards

Molded Case Bkrs

80%

2039

* *

5

\$200

Molded Case Bkrs

20%

2030

\$10,600

5

Wiring

Thermoplastic

25%

2031

\$8,900

1

Thermoplastic

75%

2041

* *

1

Motor Controllers

Locally Mounted

100%

2036

* *

5

\$100

Lighting

Interior Lighting

LED

100%

2039

* *

Exterior Lighting

HID

30%

2031

\$12,000

10

No Component

70%

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2051

* *

1

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FIRE DEPARTMENT - 057
ENGINE CO. 289/LADDER CO. 138

Asset # : 13175

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Conversion Equipment								
Heat Pump Air Sourced	10%			2036	**	2	\$200	
Steam Boiler	90%			2036	**	1	\$7,100	
Distribution								
Steam Piping/Pump	100%			2041	**			
Terminal Devices								
Convactor/Radiator	95%			2036	**	1	\$2,500	
No Component	5%							
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Split Unit	20%			2036	**			
Window/Wall Unit	20%			2026	\$6,500	1		
Window/Wall Unit	25%	0-2	\$4,900	2031	\$8,100	1		
<i>Unit Inoperable, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								
No Component	35%							
Terminal Devices								
Fan Coil - 2 Pipe	25%			2031	\$42,500	1	\$700	
No Component	75%							
Heat Rejection								
Air Cooled Condenser Unit	20%			2036	**	2	\$1,100	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$900	
No Component	80%							
Exhaust Fans								
Interior	25%			2031	\$9,500	2	\$100	
Roof	5%			2031	\$800	2		
Wall Unit	20%	Now	\$700	2041	**	2		
<i>Abandoned in Place, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 1 Unit, Apparatus Floor</i>								
No Component	50%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : 2nd Floor Mens Bathroom And Locker Room</i>								
<i>Explanation : No Exhaust Fan</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	90%			2051	**	1		
Brass/Copper	10%	0-2	\$200	2051	**	1		
<i>Not Insulated, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 289/LADDER CO. 138
Asset # : 13175

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Water Heater With Tanks Gas Fired	100%			2029	\$18,300	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Submersible	100%			2024	\$300	4	\$300	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System No Component Generic	99%			2024	\$900	1-3	\$800	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 290/LADDER CO. 103
Address : 480 SHEFFIELD AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.290 / 13176 **Yr Built/Renovated** : 1913 /
Area Sq Ft : 8,689 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Nov-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3804 **Lot** : 43 **BIN** : 3084622

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$559,100	
Interior Architecture	\$109,100	\$137,800
Electrical		\$127,000
Mechanical		\$274,600
Total	\$668,200	\$539,400
Importance Code A	\$559,100	\$63,500
Importance Code B		\$475,900
Importance Code C	\$109,100	
Total	\$668,200	\$539,400

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$29,100		\$200	
Interior Architecture	\$124,900		\$900	\$600
Electrical	\$4,100	\$300	\$400	\$400
Mechanical	\$44,800	\$17,100	\$8,600	\$6,900
Total	\$202,900	\$17,400	\$10,000	\$8,000
Importance Code A	\$29,900	\$800	\$1,000	\$800
Importance Code B	\$156,400	\$16,600	\$8,500	\$7,200
Importance Code C	\$16,700		\$500	
Total	\$202,900	\$17,400	\$10,000	\$8,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 290/LADDER CO. 103
Asset # : 13176

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	2%			2053	**	10	\$200	
Cast Stone/Terra Cotta	3%	Now	\$7,600	LIFE	**	5	\$7,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Concrete Masonry Unit	5%			LIFE	**	5	\$2,000	
Masonry: Brick	83%	Now	\$434,200	LIFE	**	5	\$27,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Light, Area Affected : 5%</i>								
<i>Location : Right Facade</i>								
Masonry: Granite	2%			LIFE	**	5	\$1,000	
Metal Sect. OHD	5%	4+	\$1,200	2046	**	5	\$2,500	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Inside Panels Of Door</i>								
Windows								
Aluminum	100%			2049	**	5	\$2,400	
Parapets								
Masonry: Brick	35%	0-2	\$17,600	LIFE	**	5	\$700	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Metal Panel	65%			2053	**	5	\$5,100	
<i>Other Observation, Extent : N/A, Area Affected : 65%</i>								
<i>Location : Coping Stones</i>								
<i>Explanation : Metal Panel Cover</i>								
Roof								
Asphalt Shingle	10%			2046	**	10	\$200	
Modified Bitumen	80%	Now	\$124,900	2043	**			
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Main Roof, Hose Tower</i>								
Modified Bitumen	10%			2038	**	10	\$1,500	
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$31,900	
Ceramic Tile	5%			2036	**	5	\$700	
Quarry Tile	10%			2038	**	5	\$2,200	
Vinyl Tile	35%	4+	\$6,900	2033	\$137,800	3	\$1,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 290/LADDER CO. 103
Asset # : 13176

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	5%			2036	**	5	\$1,000	
Gypsum Board	10%			LIFE	**	5-10	\$3,300	
Masonry: Brick	30%	Now	\$109,100	LIFE	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Plaster	25%	Now	\$11,600	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout, Apparatus Floor</i>								
SGFT/Glazed Masonry	30%			LIFE	**	10	\$2,900	
Ceilings								
AcousTileSusp.Lay-In	5%	0-2	\$3,500	2038	**	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 1st And 2nd Floor; Kitchen</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Concrete	20%	Now	\$41,600	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Steel	35%	4+	\$23,400	LIFE	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Missing Fireproofing At Steel Beam In Cellar Boiler Room</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Cellar At Front</i>								
Plaster	40%	0-2	\$16,900	LIFE	**	5	\$3,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2053	**			
Free Standing Walls								
Masonry: Brick	100%			2053	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	**			
On-Site Walkways								
Cast in Place Concrete	100%			2046	**			
Parking/Driveway								
Asphalt	60%			2042	**			
Cast in Place Concrete	40%			2046	**			

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Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 290/LADDER CO. 103
Asset # : 13176

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
Raceway								
Conduit	100%			2033	\$36,000	1		
Panelboards								
Fused Disc Sw	5%			2032	\$2,400	5		
Molded Case Bkrs	95%			2032	\$46,000	5	\$200	
Wiring								
Thermoplastic	100%			2033	\$32,500	1		
Motor Controllers								
Locally Mounted	100%			2031	\$17,800	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$300	
Lighting								
Interior Lighting								
Fluorescent	20%			2038	**	10	\$1,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Alley, Basement</i>								
Fluorescent	5%	Now	\$3,700	2043	**			
<i>Malfunctioning, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
LED	75%			2041	**			
Exterior Lighting								
LED	20%			2041	**			
No Component	80%							
Alarm								
Security System								
Generic	100%			2041	**	1	\$3,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : CCTV Cameras Installed By Fire Department Personnel</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 290/LADDER CO. 103
Asset # : 13176

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Conversion Equipment Hot Water Boiler	20%			2046	**	1	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Located In Front Of Members Room</i>								
Steam Boiler	80%			2046	**	1	\$6,900	
Distribution								
Hot Wtr Piping/Pump	20%			2055	**	4	\$100	
Central Plant Steam Piping/Pmp	80%			2033	\$190,900	4	\$500	
Terminal Devices								
Convactor/Radiator	90%	0-2	\$18,700	2038	**	1	\$2,300	
<i>Leak Evident, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Leaking Radiators Leaking Throughout</i>								
Unit Heater - Steam	10%			2038	**	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	30%			2041	**	2	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 4 Split Units. 410 A Refrigerant</i>								
Split Unit	30%			2038	**			
Window/Wall Unit	20%			2028	\$6,400	1		
No Component	20%							
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2	\$4,200	
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%	Now	\$18,600	LIFE	**	2-5	\$4,800	
<i>Needs Cleaning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Exhaust Fans								
Roof	50%			2033	\$8,200	2	\$100	
Wall Unit	50%			2033	\$1,800	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2043	**	1		
Water Heater With Tanks								
Gas Fired	100%			2031	\$33,400	2		
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 290/LADDER CO. 103
Asset # : 13176

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2026	\$300	4	\$300
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2033	\$200	1	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Serves Boiler Only</i>							
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Wet	100%			2031	\$83,700	1-3	\$87,500
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Kitchen, Covers 21 Square Feet</i>							
	<i>Explanation : Serves Cooking Area</i>							

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 291/LADDER CO. 140
Address : 56-07 METROPOLITAN AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.291 / 13177 **Yr Built/Renovated** : 1913 /
Area Sq Ft : 8,592 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-Mar-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2646 **Lot** : 18 **BIN** : 4440960

CAPITAL		FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture		\$238,400	
Interior Architecture		\$215,700	
Electrical			\$63,500
Mechanical			\$107,800
Total		\$454,100	\$171,300
Importance Code A		\$238,400	
Importance Code B		\$157,200	\$171,300
Importance Code C		\$58,600	
Total		\$454,100	\$171,300

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$64,200			
Interior Architecture	\$127,300			\$600
Electrical	\$100	\$100	\$100	
Mechanical	\$42,200	\$1,200	\$24,400	\$1,200
Site Pavements	\$2,100			
Total	\$235,800	\$1,200	\$24,500	\$1,800
Importance Code A	\$65,100	\$900	\$900	\$900
Importance Code B	\$153,200	\$400	\$23,600	\$900
Importance Code C	\$17,500			
Total	\$235,800	\$1,200	\$24,500	\$1,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 291/LADDER CO. 140

Asset # : 13177

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	8%	Now	\$34,700	LIFE	**	5	\$17,500	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Facade</i>								
Copper/Terne	2%	Now	\$58,700	2081	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Copper Fascia, Metropolitan Avenue</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Copper Fascia</i>								
Masonry: Brick	80%	4+	\$179,700	LIFE	**	5	\$22,300	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 2%</i>								
<i>Location : Metropolitan Avenue And Hose Tower</i>								
Masonry: Granite	5%	2-4	\$8,100	LIFE	**	5	\$1,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Door Jambs</i>								
Wood Overhead Doors	5%	2-4	\$2,000	2036	**	5	\$3,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Glass Window Panes</i>								
Windows								
Aluminum	100%	Now	\$19,500	2039	**	5	\$300	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor Windows</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 3rd Floor Rear In Lower Sash Out Of Frame, One Unit</i>								
Parapets								
Cast Stone/Terra Cotta	30%			LIFE	**	5	\$2,400	
Masonry: Brick	70%			LIFE	**	5	\$700	
Roof								
Modified Bitumen	100%			2039	**	10	\$10,200	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Upper And Lower Roof</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 291/LADDER CO. 140
Asset # : 13177

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior Floors								
Cast in Place Concrete	45%	Now	\$57,700	LIFE	**	5	\$12,700	
<i>Worn/Eroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Bunkroom</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus</i>								
<i>Explanation : Steel Columns Shoring Up Apparatus Room Floor From Basement Repair And Replacement Required</i>								
Ceramic Tile	8%	0-2	\$1,100	2034	**	5	\$500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd And 3rd Floor Bathroom</i>								
Marble Panels	4%	Now	\$44,100	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Stairs</i>								
Quarry Tile	5%	2-4	\$900	2036	**	5	\$500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	20%	Now	\$20,800	2041	**	3	\$1,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 75%</i>								
<i>Location : 2nd Floor Corridor And Office</i>								
Vinyl Tile 9" X 9"	18%	Now	\$20,000	2041	**	3	\$900	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd And 3rd Floor</i>								
Interior Walls								
Ceramic Tile	30%	2-4	\$11,400	2034	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen, Bathrooms</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Room</i>								
<i>Explanation : Historic Tiles In Need Of Restoration, Cleaning</i>								
Gypsum Board	10%	4+	\$300	LIFE	**	5	\$600	
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd And 3rd Floor Bunkrooms And Gymnasium</i>								
Masonry: Brick	30%	Now	\$58,600	LIFE	**			
<i>Paint Peeling, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Throughout Basement, Hose Tower</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Rear Cellar</i>								
Plaster	30%	2-4	\$3,700	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Stairs, 2nd Floor Office</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Bath And Stair</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 291/LADDER CO. 140
Asset # : 13177

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	45%	0-2	\$23,800	2044	**	5	\$2,400	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Kitchen</i>								
Exposed Struc: Concrete	25%	0-2	\$99,500	LIFE	**	5	\$400	
<i>Paint Peeling, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Cellar</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : Ceiling Is Temporarily Shored With Steel Columns To Support Truck Loads</i>								
Gypsum Board	30%	4+	\$1,100	LIFE	**	5	\$4,100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : 3rd Floor Bunkroom</i>								
<i>Recent Installation, Extent : N/A, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2051	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	4+	\$300	2044	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Side Alley</i>								
Parking/Driveway								
Cast in Place Concrete	100%	4+	\$1,700	2044	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Apron</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2031	\$14,700	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	\$63,500	5	\$200	
Raceway								
Conduit	100%			2031	\$36,000	1		
Panelboards								
Molded Case Bkrs	50%			2039	**	5	\$100	
Molded Case Bkrs	50%			2030	\$24,200	5	\$100	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 291/LADDER CO. 140
Asset # : 13177

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Wiring								
Thermoplastic	50%			2041	**	1		
Thermoplastic	50%			2031	\$16,300	1		
Motor Controllers								
Locally Mounted	100%			2029	\$17,800	5	\$100	
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
LED	100%			2039	**			
Exterior Lighting								
LED	10%			2039	**			
No Component	90%							
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	20%			2041	**	1		
Natural Gas	80%	Now	\$900	2061	**	1		
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : All Distribution Piping Are Extremely Corroded From Apparatus Floor Leak.</i>								
Conversion Equipment								
Steam Boiler	100%			2048	**	1	\$8,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Steam Piping/Pump	10%	0-2	\$100	2041	**			
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Cellar</i>								
Steam Piping/Pump	90%			2041	**			
Terminal Devices								
Convactor/Radiator	100%	0-2	\$3,400	2036	**	1	\$2,500	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Not Sufficient Heat</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2047	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 291/LADDER CO. 140
Asset # : 13177

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Conversion Equipment								
Window/Wall Unit	70%			2026	\$22,300	1		
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$500	
No Component	90%							
Exhaust Fans								
Roof	10%			2031	\$1,600	2		
Wall Unit	20%	0-2	\$700	2041	**	2		
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2031	\$107,800	1		
Water Heater With Tanks								
Gas Fired	100%			2029	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Only One 75 Gallon Unit. Not Enough Capacity For The Users.</i>								
Sanitary Piping								
Cast Iron	50%	0-2	\$1,100	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement And Apparatus Floor</i>								
Cast Iron	50%	Now	\$31,700	LIFE	**	1		
<i>Corroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
Storm Drain Piping								
Cast Iron	100%	Now	\$3,000	LIFE	**	1		
<i>Corroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Sump Pump(s)								
Submersible	100%			2024	\$300	4	\$300	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2026	\$800	1-3	\$700	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 292/RESCUE CO. 4
Address : 64-18 QUEENS BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.292 / 13178 **Yr Built/Renovated** : 1914 / 1999
Area Sq Ft : 7,657 **Project Type** : FIRE DEPARTMENT
Date of Survey : 16-Dec-2019 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2325 **Lot** : 37 **BIN** : 4053652

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$461,700	\$77,800
Total	\$461,700	\$77,800
Importance Code A	\$461,700	\$77,800
Total	\$461,700	\$77,800

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$6,100		\$1,800	
Interior Architecture	\$129,900		\$200	\$400
Electrical	\$100		\$3,600	
Mechanical	\$8,000	\$1,100	\$11,400	\$1,100
Total	\$144,000	\$1,100	\$16,900	\$1,500
Importance Code A	\$6,800	\$800	\$2,600	\$800
Importance Code B	\$70,600	\$300	\$14,400	\$700
Importance Code C	\$66,500			
Total	\$144,000	\$1,100	\$16,900	\$1,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 292/RESCUE CO. 4
Asset # : 13178

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	73%	Now	\$167,000	LIFE	**	5	\$20,800	
<i>Diagonal Cracks, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Side Elevations</i>								
<i>Horizontal Cracks, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout, Except Front Facade</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 64th Street Facade</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Sides And Rear</i>								
Masonry: Granite	2%	4+	\$900	LIFE	**	5	\$400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Base At Garage Corners</i>								
Masonry: Limestone	10%	Now	\$98,500	LIFE	**	5	\$2,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Cornice</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cornice</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Cornice</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Cornice And Crown Banding At First Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Lintels And Sills At Second Floor</i>								
Metal Sect. OHD	10%			2048	**	5	\$8,900	
<i>Recent Repair Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Front Garage Doors</i>								
Stucco Cement	5%			2051	**	5	\$3,600	
<i>Repairs in Progress, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Kitchen Extension</i>								
Windows								
Aluminum	100%	Now	\$145,200	2056	**	5	\$1,600	
<i>Air Infiltration, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Weather Strip Missing, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Seals/ Gaskets At Windows Broken</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 292/RESCUE CO. 4
Asset # : 13178

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Parapets								
Cast Stone/Terra Cotta	25%			LIFE	**	5	\$5,300	
Masonry: Brick	75%	Now	\$51,000	LIFE	**	5	\$2,100	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : All Roofs</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Rear And Side Facades</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear And Front Facade</i>								
<hr/>								
Roof								
Modified Bitumen	80%			2031	\$77,800	10	\$7,300	
Roll Roofing	15%	Now	\$5,200	2033	\$8,700	5	\$1,100	
<i>Split/Cracked, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Leaks Evident To 3rd Floor</i>								
<hr/>								
Skylight, Metal/Glass	5%			2041	**	10	\$1,500	
<hr/>								
Interior								
Floors								
Cast in Place Concrete	65%	Now	\$13,700	LIFE	**	5	\$18,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Workout Room On Third Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Second Floor</i>								
<i>Explanation : Finished Floor Missing In Foyer To Officers Rooms</i>								
<hr/>								
Ceramic Tile	5%			2034	**	5	\$600	
Quarry Tile	3%	Now	\$500	2036	**	5	\$300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<hr/>								
Vinyl Tile	25%			2036	**	3	\$1,600	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								
<hr/>								
Wood	2%			2066	**	5	\$500	

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FIRE DEPARTMENT - 057
ENGINE CO. 292/RESCUE CO. 4
Asset # : 13178

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	10%	Now	\$1,900	2034	**	5	\$900	
<i>Adhesion Failure, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Third And Second Floor Bathrooms</i>								
Gypsum Board	30%	Now	\$1,400	LIFE	**	5	\$3,100	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Third Floor Bathroom</i>								
Masonry: Brick	20%	Now	\$32,500	LIFE	**			
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Exposed Brick</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Rear Facade In Bunker Room At Second Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement At Front And East Wall, Rear Facade In Bunker Room At Second Floor</i>								
SGFT/Glazed Masonry	40%	Now	\$30,700	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Aparatus Floor</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Aparatus Floor</i>								
Ceilings								
AcousTileSusp.Lay-In	10%	Now	\$1,000	2036	**	5	\$600	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Second And Third Floor</i>								
AcousTileSusp.Lay-In	20%	4+	\$800	2048	**	5	\$1,300	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Second Floor</i>								
Exposed Struc: Concrete	50%	Now	\$46,500	LIFE	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement Rear</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement Rear</i>								
Exposed Struc: Steel	10%			LIFE	**			
Gypsum Board	10%			LIFE	**	5	\$1,600	
Site Enclosure								
Fence/Gates								
Under Construction	100%							
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			
Parking/Driveway								
Cast in Place Concrete	100%			2044	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Driveway</i>								
<i>Explanation : Shed For Next Door Construction</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 292/RESCUE CO. 4
Asset # : 13178

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2041	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>								
Raceway								
Conduit	90%			2041	**	1		
Conduit	10%			2057	**	1		
Panelboards								
Fused Disc Sw	5%			2039	**	5		
Molded Case Bkrs	75%			2039	**	5	\$200	
Molded Case Bkrs	20%			2053	**	5		
Wiring								
Thermoplastic	80%			2041	**	1		
Thermoplastic	20%			2057	**	1		
Motor Controllers								
Locally Mounted	100%			2036	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	50%			2036	**	10	\$3,500	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
LED	50%			2039	**			
Egress Lighting								
Exit, Service	50%			2031	\$1,600	1		
No Component	50%							
Exterior Lighting								
LED	30%			2039	**			
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2051	**	1		
Conversion Equipment								
Steam Boiler	100%			2044	**	1	\$7,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Under Size Unit</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 292/RESCUE CO. 4
Asset # : 13178

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Steam Piping/Pump	100%	0-2	\$1,200	2051	**			
<i>Malfunctioning, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : The Only Thermostat In Building, 2nd Floor</i>								
Terminal Devices								
Convactor/Radiator	100%	0-2	\$1,200	2036	**	1	\$2,200	
<i>Loose, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Valves, Various Locations</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2047	**	1		
Conversion Equipment								
Split Unit	25%			2036	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
<i>Explanation : Four Units. R-410a</i>								
Window/Wall Unit	35%			2026	\$9,900	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	25%			2036	**	1	\$600	
No Component	75%							
Heat Rejection								
Air Cooled Condenser Unit	25%			2036	**	2	\$1,300	
No Component	75%							
Ventilation								
Distribution								
Ductwork/Diffusers	15%			LIFE	**	2-5	\$600	
No Component	85%							
Exhaust Fans								
Interior	25%	0-2	\$4,100	2036	**	2		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : All Floors</i>								
<i>Explanation : No Exhaust Fan For 2 Bathrooms In 2nd Floor. The Other Bathrooms And Kitchen Exhaust Fans Are Working Poorly.</i>								
Wall Unit	20%			2031	\$600	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : One Under Size Wall Fan For Apparatus Floor, Poor Ventilation.</i>								
No Component	55%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 292/RESCUE CO. 4
Asset # : 13178

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater With Tanks Gas Fired	100%			2029	\$16,700	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement Ceiling</i>								
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Sump Pump(s) Submersible	100%			2024	\$200	4	\$200
	Fixtures Generic	100%						

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 293
Address : 89-40 87th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.293 / 13179 **Yr Built/Renovated** : 1915 / 2006
Area Sq Ft : 4,225 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Feb-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 8968 **Lot** : 25 **BIN** : 4185536

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$12,700			\$200
Interior Architecture	\$8,400	\$1,700		
Electrical	\$400	\$300	\$300	\$2,800
Mechanical	\$6,900	\$700	\$1,100	\$600
Site Enclosure	\$700			
Total	\$29,100	\$2,800	\$1,500	\$3,600
Importance Code A	\$13,100	\$400	\$400	\$600
Importance Code B	\$15,400	\$1,300	\$1,100	\$3,000
Importance Code C	\$700	\$1,100		
Total	\$29,100	\$2,800	\$1,500	\$3,600



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FIRE DEPARTMENT - 057
ENGINE CO. 293
Asset # : 13179

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	**	5	\$13,900	
Masonry: Limestone	10%			LIFE	**	5	\$1,500	
Metal Panel	15%			2058	**	5-10	\$20,500	
Metal Sect. OHD	5%			2049	**	5	\$3,100	
Windows								
Aluminum	100%			2054	**	5	\$1,100	
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$800	
Masonry: Brick	85%			LIFE	**	5	\$1,700	
Masonry: Limestone	5%			LIFE	**	5	\$100	
Metal Panel	5%			2052	**	5	\$400	
Roof								
Single Ply Membrane	90%			2040	**	10	\$5,900	
Sloped Glazing	10%	0-2	\$10,600	LIFE	**	5	\$8,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : End Of Driveway</i>								
<i>Explanation : Plastic Corrugated Panels Movement</i>								
Soffits								
Exposed Struc: Steel	100%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$6,200	
Ceramic Tile	5%			2045	**	5	\$300	
Mosaic Tile	5%			2049	**	5	\$800	
Sheet Vinyl/Rubber	5%			2040	**	5	\$500	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Gymnasium</i>								
<i>Explanation : Material Rubber Matt</i>								
Sheet Vinyl/Rubber	5%			2040	**	5	\$500	
Wood	35%	0-2	\$6,400	2060	**	5	\$2,100	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Second And Third Floor Corridors</i>								
Interior Walls								
Ceramic Tile	20%			2045	**	5	\$2,200	
Concrete Masonry Unit	5%			LIFE	**	5	\$200	
Gypsum Board	50%			LIFE	**	5	\$3,300	
Masonry: Brick	25%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	15%	Now	\$300	2049	**	5	\$500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Bunk Room</i>								
Exposed Struc: Steel	25%			LIFE	**			
Gypsum Board	60%	Now	\$1,300	LIFE	**	5	\$4,600	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Office</i>								
Site Enclosure								

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FIRE DEPARTMENT - 057
ENGINE CO. 293
Asset # : 13179

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Site Enclosure								
Fence/Gates								
Chain Link	70%			2058		**		
Metal: Cage/Fence	30%	Now	\$700	LIFE		**		
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Gate</i>								
<i>Explanation : Gate Very Heavy And Difficult To Operate</i>								
<hr/>								
Free Standing Walls								
Masonry: Brick	100%			2058		**		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : End Of Driveway</i>								
<i>Explanation : Glazed Masonry Brick</i>								
<hr/>								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2049		**		
<hr/>								
Parking/Driveway								
Asphalt	100%			2045		**		
<hr/>								
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2058		**	5	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 400 Amperes.</i>								
<hr/>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2058		**	5	\$100
<hr/>								
Raceway								
Conduit	100%			2058		**	1	
<hr/>								
Panelboards								
Molded Case Bkrs	100%			2054		**	5	\$100
<hr/>								
Wiring								
Thermoplastic	100%			2058		**	1	
<hr/>								
Motor Controllers								
Locally Mounted	100%			2049		**	5	
<hr/>								
Ground								
Grounding Devices								
Generic	100%			LIFE		**	5	\$100
<hr/>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2049		**	1	\$1,300
<hr/>								

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FIRE DEPARTMENT - 057
ENGINE CO. 293
Asset # : 13179

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Generators								
Diesel	100%			2045	**	1	\$1,600	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : Emergency Generator Rated At 80 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2027	\$2,400	5	\$200	
Fuel Storage								
Main Tank	100%			2067	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : 168 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
LED	100%			2040	**			
Egress Lighting								
Emergency, Service	50%			2040	**	1		
Exit, LED	50%			2067	**	1		
Exterior Lighting								
LED	20%			2040	**			
No Component	80%							
Alarm								
Security System								
No Component	80%							
Generic	20%			2040	**	1	\$300	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Outside Perimeter</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2052	**	1		
Conversion Equipment								
Furnace	20%			2040	**	1	\$400	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Rooftop Package Units</i>								
Steam Boiler	80%			2049	**	1	\$3,400	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 293
Asset # : 13179

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Steam Piping/Pump	80%			2058	**			
No Component	20%							
Terminal Devices								
Convactor/Radiator	40%			2049	**	1	\$600	
Fan Coil Unit/Heat	20%			2040	**	1	\$300	
Unit Heater - Steam	20%			2037	**	4	\$100	
No Component	20%							
Air Conditioning								
Energy Source								
Electricity	100%			2054	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	55%	0-2	\$1,900	2040	**	2	\$100	
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Roof</i>					
			<i>Explanation : 2 Package Units. R-410a. Bunker Room And Kitchen Are In Lack Of Air Conditioning</i>					
Split Unit	5%			2040	**			
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Outside Wall</i>					
			<i>Explanation : 1 Unit.</i>					
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	5%			2040	**	1	\$100	
No Component	95%							
Heat Rejection								
Air Cooled Condenser Unit	5%			2040	**	2	\$100	
No Component	95%							
Ventilation								
Distribution								
Ductwork/Diffusers	60%	0-2	\$2,200	LIFE	**	2-5	\$1,400	
			<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 25%</i>					
			<i>Location : Causes Condensation Leaking In 2nd Floor And Kitchen.</i>					
No Component	40%							
Exhaust Fans								
Interior	20%			2040	**	2		
Roof	30%			2040	**	2		
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%	0-2	\$1,100	2052	**	1		
			<i>Corroded, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Various Locations</i>					
Water Heater With Tanks								
Gas Fired	100%			2031		2	\$16,700	

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FIRE DEPARTMENT - 057
ENGINE CO. 293
Asset # : 13179

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sanitary Piping Cast Iron	100%	0-2	\$1,000	LIFE	**	1	
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Sump Pump(s) Submersible	100%			2026	\$100	4	\$100
	Backflow Preventer Generic	100%			2040	**	1	\$300
	Fixtures Generic	100%						
Fire Suppression								
	Sprinkler Generic	100%			2058	**	1-2	\$1,200
	Chemical System No Component Generic	99%			2031	\$800	1-3	\$700
<i>1%</i>								
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 294/LADDER CO. 143
Address : 101-02 JAMAICA AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.294 / 13180 **Yr Built/Renovated** : 1913 / 1999
Area Sq Ft : 6,979 **Project Type** : FIRE DEPARTMENT
Date of Survey : 15-Jan-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 9286 **Lot** : 6 **BIN** : 4194106

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$85,300	\$114,400
Interior Architecture	\$144,000	\$126,800
Electrical		\$127,000
Total	\$229,300	\$368,200
Importance Code A	\$85,300	\$177,900
Importance Code B	\$91,700	\$190,300
Importance Code C	\$52,300	
Total	\$229,300	\$368,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$88,400		\$4,100	
Interior Architecture	\$75,300			\$600
Electrical	\$6,600		\$6,300	
Mechanical	\$20,600	\$1,000	\$31,300	\$1,000
Site Pavements	\$1,900			
Total	\$192,900	\$1,100	\$41,700	\$1,600
Importance Code A	\$89,100	\$700	\$4,900	\$700
Importance Code B	\$79,400	\$400	\$36,800	\$900
Importance Code C	\$24,400			
Total	\$192,900	\$1,100	\$41,700	\$1,600



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FIRE DEPARTMENT - 057
ENGINE CO. 294/LADDER CO. 143
Asset # : 13180

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$85,300	LIFE	**	5	\$21,200	
	<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : East And South Facade</i>							
	<i>Spalling, Extent : Moderate, Area Affected : 2%</i>							
	<i>Location : East Side Yard</i>							
	<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>							
	<i>Location : Southeast Corner Of Walls</i>							
Masonry: Granite	5%			LIFE	**	5	\$1,000	
Masonry: Limestone	5%			LIFE	**	5	\$1,000	
Metal Sect. OHD	10%			2036	**	5	\$8,300	
Windows								
Aluminum	85%	Now	\$25,100	2039	**	5	\$900	
	<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : Throughout</i>							
	<i>Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 25%</i>							
	<i>Location : Throughout</i>							
	<i>Other Observation, Extent : Light, Area Affected : 15%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Missing And Or Broken Insect Screens</i>							
Wood	15%	Now	\$2,500	2039	**	5	\$1,600	
	<i>Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : 2nd Floor North</i>							
Parapets								
Cast Stone/Terra Cotta	10%	4+	\$1,000	LIFE	**	5	\$2,100	
	<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Coping Stones</i>							
Masonry: Brick	85%	Now	\$14,100	LIFE	**	5	\$2,300	
	<i>Paint Peeling, Extent : Severe, Area Affected : 20%</i>							
	<i>Location : Interior Facade</i>							
	<i>Spalling, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : Parapet Near Roof Hatch</i>							
Metal Cornice	5%			2059	**	10	\$400	

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FIRE DEPARTMENT - 057
ENGINE CO. 294/LADDER CO. 143
Asset # : 13180

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Built-Up (BUR)	100%	Now	\$45,700	2031	\$114,400			
<i>Alligatoring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Perimeter At Parapet Flashing</i>								
<i>Blisters, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Pitch Pockets At Roof Failed</i>								
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 5%</i>								
<i>Location : At Parapet Wall Next To Hatch</i>								
<i>Ponding, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Main Roof</i>								
<i>Ridging, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Main Roof</i>								
Interior								
Floors								
Cast in Place Concrete	43%	Now	\$37,300	LIFE	**	5	\$9,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Throughout Cellar</i>								
<i>Ponding, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout Cellar</i>								
<i>Uneven Substrate, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Cellar</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Apparatus Floor Temporarily Supported With Columns To Support Trucks, Permanent Repair Is Required</i>								
Ceramic Tile	9%	0-2	\$1,000	2040	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen And Marble Saddle To Kitchen</i>								
Terrazzo	1%	Now	\$200	LIFE	**	5	\$100	
<i>Horizontal Cracks, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Second Floor Shower Pan</i>								
Vinyl Tile	45%	Now	\$6,300	2031	\$126,800	3	\$1,800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Closets On Second Floor</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Second Floor At Multiple Locations</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Second Floor</i>								
Wood	2%	Now	\$200	2046	**	5	\$200	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Stair Treads To Basement Are Wood</i>								
<i>Explanation : Replace With Nonslip Steel Per Original</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 294/LADDER CO. 143
Asset # : 13180

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	10%	Now	\$2,400	2040	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Kitchen And Second Floor Bathroom</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 3%</i>								
<i>Location : Kitchen</i>								
Ceramic Tile	25%			2034	**	5	\$5,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Tile Is Painted Over</i>								
Gypsum Board	5%	4+	\$300	LIFE	**	5	\$700	
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 2%</i>								
<i>Location : Bathrooms</i>								
Masonry: Brick	25%	Now	\$52,300	LIFE	**			
<i>Paint Peeling, Extent : Moderate, Area Affected : 90%</i>								
<i>Location : Cellar</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Cellar</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Cellar Front</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Cellar Street Front</i>								
Plaster	35%	Now	\$18,700	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Second Floor Interior Closets And At Second Floor Fire Pole Wall</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Handrail To Cellar</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Cellar Stairs And Scuttle To Roof</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : 2nd Floor Gymnasium, Locker Room, Office 2nd Floor And Cellar Stairs, Window Openings</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 294/LADDER CO. 143
Asset # : 13180

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	40%			2044	**	5	\$4,200	
Exposed Struc: Concrete	30%	Now	\$91,700	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Cellar</i>								
<i>Diagonal Cracks, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Beams In Cellar</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Expose Reinforcing Bars And Exposed Steel Incased In Concrete In Cellar</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout Cellar</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Cellar</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar Below Apparatus Floor</i>								
<i>Explanation : Temporarily Shored By Steel Columns For Support, Future Repair And Replacement Is Required</i>								
Gypsum Board	5%			LIFE	**	5	\$700	
Plaster	25%	Now	\$3,900	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Near Fire Pole And At Various Penetration On Apparatus Floor</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Fence In Backyard</i>								
<i>Explanation : Covered With Plastic Sheet For Privacy</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$1,700	2044	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Front Of Firehouse</i>								
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Front Sidewalk</i>								
<i>Explanation : Water Penetrating Into Cellar From Sidewalk</i>								
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$200	2036	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear And Side Walkway</i>								
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Walkway</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Rear Walkway</i>								
<i>Explanation : Patching</i>								

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Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 294/LADDER CO. 143
Asset # : 13180

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2031	\$63,500	5	\$200	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : One 400 Amperes</i>							
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	\$63,500	5	\$200	
Raceway								
Conduit	90%			2031	\$32,400	1		
Conduit	10%			2041	**	1		
Panelboards								
Fused Disc Sw	5%			2030	\$2,400	5		
Molded Case Bkrs	75%			2039	**	5	\$100	
Molded Case Bkrs	20%			2030	\$9,700	5		
Wiring								
Braided Cloth	20%	4+	\$6,500	2056	**	1		
	<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
Thermoplastic	60%			2041	**	1		
Thermoplastic	20%			2031	\$6,500	1		
Motor Controllers								
Locally Mounted	100%			2036	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	85%			2036	**	10	\$5,400	
	<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement, First And Second Floor</i>							
Fluorescent	10%			2036	**	10	\$600	
	<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
LED	5%			2039	**			
Egress Lighting								
Emergency, Battery	50%			2031	\$5,700	10	\$800	
Exit, Service	50%			2031	\$1,500	1		
Exterior Lighting								
HID	30%			2031	\$9,500	10		
No Component	70%							
Alarm								
Security System								
No Component	95%							
Generic	5%			2031	\$600	1	\$100	

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FIRE DEPARTMENT - 057
ENGINE CO. 294/LADDER CO. 143
Asset # : 13180

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	40%			2051	**	1		
Natural Gas	60%	0-2	\$500	2061	**	1		
<i>Corroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar Mechanical Room</i>								
<hr/>								
Conversion Equipment								
Steam Boiler	100%			2044	**	1	\$6,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
<hr/>								
Distribution								
Steam Piping/Pump	90%			2041	**			
Steam Piping/Pump	10%	0-2	\$3,300	2061	**			
<i>Corroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar Mechanical Room</i>								
<hr/>								
Terminal Devices								
Convactor/Radiator	95%			2044	**	1	\$2,100	
Unit Heater - Steam	5%			2026	\$1,900	4		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : 1 Unit Heater</i>								
<hr/>								
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
<hr/>								
Conversion Equipment								
Split Unit	30%	0-2	\$4,900	2036	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Side Wall</i>								
<i>Explanation : 3 Units, 2 Out Of 3 Inefficient Units. R-410a</i>								
Window/Wall Unit	40%			2026	\$10,300	1		
No Component	30%							
<hr/>								
Terminal Devices								
Fan Coil - 2 Pipe	30%			2036	**	1	\$700	
No Component	70%							
<hr/>								
Heat Rejection								
Air Cooled Condenser	30%			2036	**	2	\$1,500	
Unit								
No Component	70%							
<hr/>								
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$800	
No Component	80%							

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FIRE DEPARTMENT - 057
ENGINE CO. 294/LADDER CO. 143
Asset # : 13180

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
	Exhaust Fans							
	Roof	20%			2031	\$2,600	2	
	Wall Unit	20%	0-2	\$600	2041	**	2	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Apparatus Floor</i>						
		<i>Explanation : In Extended Life Time And Inefficient Unit</i>						
	No Component	60%						
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2041	**	1	
	Water Heater With Tanks							
	Gas Fired	100%			2026	\$16,700	2	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Cellar Mechanical Room</i>						
		<i>Explanation : Two 75 Gallon Heaters</i>						
	Sanitary Piping							
	Cast Iron	100%	0-2	\$8,600	LIFE	**	1	
		<i>Blockage /Clogged, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : 2nd Floor Main Bathroom, 1st Floor Main Entrance And Front Side Of Basement</i>						
		<i>Corroded, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Basement</i>						
	Storm Drain Piping							
	Cast Iron	100%	0-2	\$1,200	LIFE	**	1	
		<i>Corroded, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Basement</i>						
	Sump Pump(s)							
	Submersible	100%			2024	\$200	4	\$200
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	No Component	99%						
	Generic	1%			2026	\$800	1-3	\$700

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 295/LADDER CO. 144
Address : 12-49 149th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.295 / 13181 **Yr Built/Renovated** : 1913 /
Area Sq Ft : 7,626 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-Feb-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 4505 **Lot** : 7 **BIN** : 4102462

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$343,900	\$77,400
Interior Architecture	\$1,143,700	
Electrical		\$63,500
Mechanical		\$95,600
Total	\$1,487,700	\$236,600
Importance Code A	\$343,900	\$77,400
Importance Code B	\$990,200	\$159,100
Importance Code C	\$153,500	
Total	\$1,487,700	\$236,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$36,400	\$5,700	\$15,800	
Interior Architecture	\$56,200		\$3,700	\$900
Electrical	\$10,200			
Mechanical	\$16,700	\$15,400	\$22,000	\$7,800
Site Enclosure	\$20,300			
Site Pavements	\$27,600			
Total	\$167,400	\$21,100	\$41,500	\$8,700
Importance Code A	\$39,600	\$6,500	\$16,500	\$800
Importance Code B	\$44,500	\$14,600	\$21,200	\$8,000
Importance Code C	\$83,200		\$3,700	
Total	\$167,400	\$21,100	\$41,500	\$8,700



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FIRE DEPARTMENT - 057
ENGINE CO. 295/LADDER CO. 144
Asset # : 13181

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Copper/Terne	3%	Now	\$4,800	2068	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At Cornice</i>								
Masonry: Brick	70%	Now	\$343,900	LIFE	**	5	\$21,400	1
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Facade</i>								
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : 3rd Floor Rear Wall</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Left, Right And Rear Facades</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 3rd Floor Rear Wall And Side Elevations Near Corners</i>								
Masonry: Granite	5%	4+	\$5,900	LIFE	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Front Facade. Left Side</i>								
Masonry: Limestone	10%			LIFE	**	5	\$4,600	
Metal Sect. OHD	12%			2050	**	5	\$11,500	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Apparatus Overhead Entry Door</i>								
Windows								
Aluminum	95%	4+	\$6,500	2049	**	5	\$1,400	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor</i>								
Aluminum	5%	0-2	\$6,900	2058	**	5	\$100	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Steel Lintels At Rear 3rd Floor</i>								
Parapets								
Cast Stone/Terra Cotta	15%			LIFE	**	5-10	\$10,900	
Copper/Terne	85%			2068	**	5	\$10,600	
Roof								
Modified Bitumen	73%			2033		10	\$7,300	
Roll Roofing	25%			2026		5	\$4,100	
Skylight, Metal/Glass	2%			2043	**	10	\$700	

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 295/LADDER CO. 144
Asset # : 13181

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$531,700	LIFE	**	5	\$14,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apparatus Room Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Basement</i>								
<i>Explanation : Temporary Steel Beams And Columns Shoring Up Apparatus Room Floor From Basement</i>								
Ceramic Tile	5%			2042	**	5	\$600	
Marble Panels	2%	4+	\$2,700	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Stairs</i>								
Quarry Tile	5%	4+	\$2,300	2046	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Kitchen Area</i>								
Steel Plate	2%	Now	\$10,300	LIFE	**	1		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stair To Basement, Several Loose Treads</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Stair To Basement</i>								
Vinyl Tile	36%	Now	\$124,300	2043	**	3	\$1,700	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 75%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : 9x9 Tiles</i>								
Interior Walls								
Cast in Place Concrete	25%	Now	\$153,500	LIFE	**			
<i>Spalling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Basement</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Ceramic Tile	45%			2036	**	5	\$7,400	
Plaster	30%	Now	\$35,400	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement Stairs</i>								
<i>Deteriorated Finish, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement Stairs, Locker Room And Lounge On 3rd Floor</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement Stairs</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 295/LADDER CO. 144
Asset # : 13181

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	10%	Now	\$4,200	2046	**	5	\$600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Dormitory</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Dormitory</i>								
Exposed Struc: Concrete	15%	Now	\$281,000	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Explanation : Lolly Columns Are Rusting</i>								
Gypsum Board	5%			LIFE	**	5-10	\$2,200	
Plaster	70%	Now	\$53,200	LIFE	**	5	\$5,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Locker Room, Bunker Room And At Window Perimeters</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor And Roof Hatch, Locker Room</i>								
Site Enclosure								
Fence/Gates								
Chain Link	50%	0-2	\$20,300	2053	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Right Side Of Property</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Right Side Of Property</i>								
Chain Link	50%			2053	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	0-2	\$21,900	2046	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Right Side</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Right Side</i>								
Parking/Driveway								
Cast in Place Concrete	100%	2-4	\$5,700	2046	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Left Side Driveway</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

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FIRE DEPARTMENT - 057
ENGINE CO. 295/LADDER CO. 144
Asset # : 13181

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2033	\$14,700	5		
			<i>Enclosure Corroded, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Basement</i>					
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : One 200 Ampere Main Disconnect Switch</i>					
Switchgear / Switchboard								
Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
			<i>Enclosure Corroded, Extent : Light, Area Affected : 50%</i>					
			<i>Location : Basement</i>					
Raceway								
Conduit	80%			2033	\$28,800	1		
Conduit	20%			2053	**	1		
Panelboards								
Fused Disc Sw	5%			2032	\$2,400	5		
Molded Case Bkrs	50%			2049	**	5	\$100	
Molded Case Bkrs	45%			2032	\$21,800	5	\$100	
Wiring								
Thermoplastic	60%			2033	\$19,500	1		
Thermoplastic	40%			2053	**	1		
Motor Controllers								
Locally Mounted	100%			2031	\$17,800	5	\$100	
Ground								
Grounding Devices								
Generic	100%	0-2	\$10,200	LIFE	**	5	\$100	
			<i>Corroded, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Water Main Basement</i>					
Lighting								
Interior Lighting								
Fluorescent	5%			2033	\$3,200	10	\$400	
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
LED	95%			2038	**			
Exterior Lighting								
HID	20%			2028	\$7,000	10		
LED	10%			2038	**			
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 295/LADDER CO. 144
Asset # : 13181

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment Steam Boiler	100%	0-2	\$3,200	2046	**	1	\$6,800	
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bolier Plate Corroded</i>								
Distribution Central Plant Steam Piping/Pmp	100%			2043	**	4	\$400	
Terminal Devices Convactor/Radiator	90%			2038	**	1	\$2,200	
Fan Coil Unit/Heat	10%			2033	\$18,500	1	\$300	
Air Conditioning								
Energy Source Electricity	100%			2049	**	1		
Conversion Equipment Window/Wall Unit	50%			2026	\$14,100	1		
No Component	50%							
Ventilation								
Distribution Ductwork/Diffusers	5%			LIFE	**	2-5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Kitchen Exhaust</i>								
No Component	95%							
Exhaust Fans Roof	5%			2033	\$700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Kitchen Exhaust</i>								
Wall Unit	10%			2028	\$300	2		
No Component	85%							
Plumbing								
H/C Water Piping Brass/Copper	10%			2053	**	1		
Galvanized Steel	90%	Now	\$1,700	2038	**	1		
<i>Corroded, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Some Equipment Around Meter</i>								
Water Heater With Tanks Gas Fired	100%			2031	\$33,400	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units. 74 Gallons</i>								
Sanitary Piping Cast Iron	100%	0-2	\$4,700	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Occasional Sewage Backup In Basement</i>								
Storm Drain Piping Cast Iron	100%			LIFE	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 295/LADDER CO. 144
Asset # : 13181

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sump Pump(s) Submersible	100%			2026	\$200	4	\$200
	Backflow Preventer No Component Generic	95% 5%			2041	**	1	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler</i>								
Fixtures								
	Generic	100%						
<i>Leaking Faucets/Valves/Heads, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Various Locations</i>								
Fire Suppression								
	Chemical System Generic	100%			2031	\$95,600	1-3	\$89,300
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set. Kitchen Fire Suppression Covers 24 Square Feet</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 297/LADDER CO. 130
Address : 119-11 14th ROAD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.297 / 13183 **Yr Built/Renovated** : 1931 / 2012
Area Sq Ft : 5,676 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Feb-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 4054 **Lot** : 17 **BIN** : 4098032

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$249,400	\$90,400
Interior Architecture	\$850,800	
Electrical		\$63,500
Site Enclosure	\$98,300	
Total	\$1,198,500	\$153,900
Importance Code A	\$249,400	\$90,400
Importance Code B	\$949,100	\$63,500
Total	\$1,198,500	\$153,900

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$17,200	\$3,900		
Interior Architecture	\$38,100	\$400	\$900	\$700
Electrical	\$9,800		\$100	
Mechanical	\$3,000	\$800	\$1,000	\$800
Site Pavements	\$47,800			
Total	\$115,800	\$5,100	\$2,000	\$1,600
Importance Code A	\$17,800	\$4,400	\$600	\$600
Importance Code B	\$31,300	\$700	\$500	\$1,000
Importance Code C	\$66,700		\$900	
Total	\$115,800	\$5,100	\$2,000	\$1,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 297/LADDER CO. 130
Asset # : 13183

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	83%	Now	\$249,400	LIFE	**	5	\$15,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Chimney</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	2%			LIFE	**	5	\$600	
Masonry: Limestone	5%			LIFE	**	5	\$1,400	
Metal Sect. OHD	10%			2050	**	5	\$5,800	
Windows								
Aluminum	100%			2055	**	5	\$1,900	
Parapets								
Masonry: Brick	85%			LIFE	**	5-10	\$15,500	
Masonry: Limestone	10%			LIFE	**	5-10	\$3,200	
Slate	5%			LIFE	**	5	\$300	
Roof								
Modified Bitumen	100%			2033		10	\$8,500	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$381,000	LIFE	**	5	\$10,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
<i>Deflection Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Basement</i>								
<i>Explanation : Steel Beams And Columns Shoring Up Apparatus Room Floor From Basement Below</i>								
Ceramic Tile	5%			2042	**	5	\$500	
Vinyl Tile	45%	0-2	\$11,100	2038	**	3	\$1,500	
<i>Worn/Eroded, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Second Floor Throughout And Kitchen</i>								
Interior Walls								
Cast in Place Concrete	20%			LIFE	**	10	\$5,900	
Ceramic Tile	15%			2036	**	5	\$1,800	
Gypsum Board	15%			LIFE	**	5-10	\$3,000	
Masonry: Brick	10%	0-2	\$11,000	LIFE	**			
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement Stairs</i>								
Plaster	40%	4+	\$2,300	LIFE	**	5	\$1,400	
<i>Paint Peeling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Roof Scuttle</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 297/LADDER CO. 130
Asset # : 13183

Architecture		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Interior									
Ceilings									
AcousTileSusp.Lay-In	8%			2050	**	5	\$700		
Exposed Struc: Concrete	35%	Now	\$469,800	LIFE	**	5	\$500		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>									
<i>Location : Basement</i>									
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Basement</i>									
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>									
<i>Location : Basement</i>									
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : Lolly Columns Support Installed In Basement</i>									
Plaster	57%			LIFE	**	5-10	\$9,000		
Site Enclosure									
Fence/Gates									
Chain Link	100%			2043	**				
Retaining Walls									
Cast in Place Concrete	100%	Now	\$98,300	2083	**				
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>									
<i>Location : Throughout</i>									
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 25%</i>									
<i>Location : Throughout</i>									
Site Pavements									
Public Sidewalk									
Cast in Place Concrete	100%	4+	\$2,300	2046	**				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : 14th Road</i>									
On-Site Walkways									
Cast in Place Concrete	100%			2038	**				
Parking/Driveway									
Cast in Place Concrete	100%	Now	\$45,400	2046	**				
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>									
<i>Location : Driveway</i>									
<i>Tripping Hazard, Extent : Severe, Area Affected : 70%</i>									
<i>Location : Driveway In Front Of Doors</i>									

Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 297/LADDER CO. 130
Asset # : 13183

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2033	\$14,700	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2033	\$63,500	5		
Raceway								
Conduit	50%			2043	**	1		
Conduit	50%			2033	\$18,000	1		
Panelboards								
Molded Case Bkrs	80%			2041	**	5	\$100	
Molded Case Bkrs	20%	2-4	\$9,700	2058	**	5		
<i>Enclosure Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Wiring								
Thermoplastic	100%			2043	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
LED	100%			2041	**			
Egress Lighting								
Emergency, Battery	50%			2041	**	10	\$700	
Exit, LED	50%			2068	**	1		
Exterior Lighting								
LED	30%			2041	**			
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Steam Boiler	100%			2046	**	1	\$5,600	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Steam Piping/Pump	100%			2043	**			
Terminal Devices								
Convactor/Radiator	100%			2050	**	1	\$1,800	
Air Conditioning								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 297/LADDER CO. 130

Asset # : 13183

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Electricity	100%			2041	**	1		
Conversion Equipment								
Split Unit	10%			2041	**			
Window/Wall Unit	40%			2028	\$8,400	1		
No Component	50%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2041	**	1	\$200	
No Component	90%							
Heat Rejection								
Air Cooled Condenser Unit	10%			2041	**	2	\$400	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$1,000	
No Component	80%							
Exhaust Fans								
Roof	20%			2038	**	2		
Wall Unit	20%			2033	\$500	2		
No Component	60%							
Plumbing								
H/C Water Piping								
Brass/Copper	5%	0-2	\$700	2043	**	1		
<i>Not Insulated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Brass/Copper	95%			2043	**	1		
Water Heater With Tanks								
Gas Fired	100%			2032	\$33,400	2		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallons Units</i>								
Sanitary Piping								
Cast Iron	30%	0-2	\$1,000	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Of The Basement</i>								
Cast Iron	70%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	20%			LIFE	**	1		
Cast Iron	80%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2026	\$200	4	\$200	
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 298/LADDER CO. 127 BATTALION 50
Address : 153-11 HILLSIDE AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.298 / 13184 **Yr Built/Renovated** : 1965 / 2007
Area Sq Ft : 7,937 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Oct-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 9706 **Lot** : 66 **BIN** : 4207481

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$237,700	\$132,300
Electrical		\$129,500
Mechanical		\$83,700
Total	\$237,700	\$345,500
Importance Code A	\$237,700	\$132,300
Importance Code B		\$213,200
Total	\$237,700	\$345,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture			\$3,000	
Interior Architecture	\$48,700		\$1,300	\$1,900
Electrical	\$12,300	\$800	\$3,300	\$900
Mechanical	\$30,000	\$6,600	\$7,300	\$16,500
Site Enclosure			\$500	
Site Pavements	\$30,300			
Total	\$121,300	\$7,400	\$15,400	\$19,300
Importance Code A	\$400	\$400	\$3,400	\$400
Importance Code B	\$76,200	\$7,000	\$11,600	\$18,000
Importance Code C	\$44,800		\$500	\$900
Total	\$121,300	\$7,400	\$15,400	\$19,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 298/LADDER CO. 127 BATTALION 50
Asset # : 13184

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$107,000	LIFE	**	5	\$13,300	1
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Rusted Brick Relieving Angle</i>								
<i>Diagonal Cracks, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Isolated At Multiple Locations Along The 4 Elevations</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Base Of Front Facade</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Lower Section Of Front Facade</i>								
Metal Panel	10%			2053	**	5-10	\$13,100	
Metal Sect. OHD	10%			2046	**	5	\$5,900	
Window Wall	10%			2053	**	5	\$7,100	
Windows								
Aluminum	100%	Now	\$130,700	2058	**	5	\$1,400	
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Weather Strip Missing, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Windows Are Original, More Than 50 Years Old.</i>								
Roof								
Built-Up (BUR)	100%			2033		10	\$11,600	
Soffits								
Cast in Place Concrete	100%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$27,700	
Ceramic Tile	7%			2042	**	5	\$900	
Quarry Tile	7%			2046	**	5	\$1,300	
Vinyl Tile	36%	Now	\$12,300	2038	**	3	\$1,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Captain Office And Several 2nd Floor Locations</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : House Watch</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 298/LADDER CO. 127 BATTALION 50
Asset # : 13184

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	10%	0-2	\$2,700	LIFE		**		
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : South Basement Wall</i>								
Ceramic Tile	10%			2042		**	5	\$1,800
Concrete Masonry Unit	15%			LIFE		**	5	\$2,200
Gypsum Board	15%	Now	\$3,700	LIFE		**	5	\$1,600
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Offices</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : 2nd Floor Offices</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Offices</i>								
Plaster	20%	Now	\$4,300	LIFE		**	5	\$1,100
<i>Water Penetration, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Captain Office At Window</i>								
SGFT/Glazed Masonry	30%			LIFE		**	10	\$2,700
Ceilings								
AcousTileSusp.Lay-In	10%			2046		**	5	\$1,300
Exposed Struc: Concrete	20%			LIFE		**	5-10	\$3,200
Plaster	70%	2-4	\$5,300	LIFE		**	5	\$5,500
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Southeast 2nd Floor Office</i>								
Site Enclosure								
Fence/Gates								
Aluminum Rail	35%			2046		**	5-10	\$800
<i>Other Observation, Extent : N/A, Area Affected : 35%</i>								
<i>Location : Roof</i>								
<i>Explanation : Guard Rail</i>								
Chain Link	65%			2053		**		
Retaining Walls								
Cast in Place Concrete	100%			2068		**		
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046		**		
On-Site Walkways								
Cast in Place Concrete	100%	2-4	\$1,300	2046		**		
<i>Ponding, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Side Yard To The Right</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 298/LADDER CO. 127 BATTALION 50
Asset # : 13184

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Parking/Driveway

Cast in Place Concrete	100%	Now	\$29,000	2046		**	
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*Cracking/Crumbling, Extent : Severe, Area Affected : 5%**Location : Curb Cut Ramp**Sinking/Subsiding, Extent : Moderate, Area Affected : 100%**Location : At The Edge Of Sidewalk And Curb Cut**Tripping Hazard, Extent : Severe, Area Affected : 10%**Location : Curb Cut Ramp*

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2033	\$14,700	5	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room Basement**Explanation : One 400 Ampere Main Disconnect Switch*

Switchgear / Switchboard

Molded Case Bkrs	100%			2033	\$63,500	5	\$200
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Raceway

Conduit	90%			2033	\$32,400	1	
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Conduit	10%			2043	**	1	
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Panelboards

Fused Disc Sw	5%			2032	\$2,400	5	
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Molded Case Bkrs	40%			2032	\$19,400	5	\$100
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Molded Case Bkrs	55%			2041	**	5	\$100
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Wiring

Braided Cloth	30%	0-2	\$9,800	2058	**	1	
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*Insulation Aged, Extent : Moderate, Area Affected : 100%**Location : Throughout The Building*

Thermoplastic	50%			2033	\$16,300	1	
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Thermoplastic	20%			2043	**	1	
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Motor Controllers

Locally Mounted	100%			2031	\$17,800	5	\$100
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200
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Stand-by Power

Transfer Switches

Automatic	100%			2038	**	1	\$2,400
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Generators

Diesel	100%			2036	**	1	\$3,100
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside The Building**Explanation : One 81 Kilovolt Amperes*

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 298/LADDER CO. 127 BATTALION 50
Asset # : 13184

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Stand-by Power Batteries								
Lead/Acid	100%			2026	\$2,400	5	\$300	
Fuel Storage Day Tank								
	50%			2041	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Outside</i>								
<i>Explanation : One 60 Gallons</i>								
Main Tank								
	50%			2036	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 550 Gallons Main Tank</i>								
Lighting								
Interior Lighting Fluorescent								
	78%			2033	\$52,500	10	\$5,700	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent								
	20%			2028	\$13,500	10	\$1,500	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor And Basement</i>								
Incandescent								
	2%			2028	\$1,900	2		
Egress Lighting								
Emergency, Service	60%			2033	\$2,900	1		
Exit, Service	40%			2033	\$1,300	1		
Exterior Lighting								
HID	20%			2033	\$7,200	10		
No Component	80%							
Alarm								
Security System Generic								
	100%			2041	**	1	\$3,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Of The Building</i>								
<i>Explanation : CCTV Surveillance Camera</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas								
	100%			2053	**	1		
Conversion Equipment Hot Water Boiler								
	100%			2050	**	1	\$3,900	
Distribution Hot Wtr Piping/Pump								
	100%	0-2	\$800	2041	**	4	\$400	
<i>Corroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement. Corroded Hot Water Piping</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 298/LADDER CO. 127 BATTALION 50
Asset # : 13184

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Terminal Devices								
Convactor/Radiator	70%			2046	**	1	\$1,800	
Unit Heater - Steam	30%			2033	\$13,200	4	\$300	
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		
Conversion Equipment								
Reciprocating Compr/Chiller	20%			2033	\$22,900	1	\$700	
Split Unit	10%			2038	**			
Window/Wall Unit	55%	0-2	\$1,600	2028	\$16,200	1		
<i>Malfunctioning, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Location. Four Window, Wall Units Not Working</i>								
No Component	15%							
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Serves Kitchen Air Conditioning Unit Only</i>								
No Component	80%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : 80 Percent Of Air Conditioning Is From Window Units. No Ductwork</i>								
Terminal Devices								
Fan Coil - 2 Pipe	20%			2033	\$40,200	1	\$500	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$1,400	
No Component	80%							
Exhaust Fans								
Interior	25%			2033	\$8,600	2	\$100	
Interior	25%	0-2	\$8,600	2043	**	2		
<i>Malfunctioning, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Room, 1 Of 2 Defective Exhaust Fans</i>								
Roof	50%			2033	\$7,500	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2053	**	1		
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 298/LADDER CO. 127 BATTALION 50
Asset # : 13184

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
Water Heater With Tanks								
	Electric	50%			2031	\$11,500	4	
	Gas Fired	50%			2031	\$8,300	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Indirect Water Heater. Boiler Is Heat Source. Used As Back Up To Solar Heating System.</i>								
<hr/>								
Sanitary Piping								
	Cast Iron	95%			LIFE	* *	1	
	Cast Iron	5%			LIFE	* *	1	
<hr/>								
Storm Drain Piping								
	Cast Iron	100%	0-2	\$1,400	LIFE	* *	1	
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Rear Courtyard And Apparatus Floor</i>								
<i>Explanation : Firehouse Is At The Base Of Hill And Experiences Backups During Heavy Rains.</i>								
<hr/>								
Sump Pump(s)								
	Submersible	100%			2026	\$200	4	\$300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Dual Pumps</i>								
<hr/>								
Fixtures								
	Generic	100%						
<hr/>								
Fire Suppression								
Chemical System								
	Wet	100%			2028	\$83,700	1-3	\$97,500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Over Range Kitchen Fire Suppression System, Dimension 3 Feet X 7 Feet</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 299/LADDER CO. 152
Address : 61-20 UTOPIA PARKWAY
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.299 / 13185 **Yr Built/Renovated** : 1960 / 2006
Area Sq Ft : 5,920 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Oct-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 6891 **Lot** : 3 **BIN** : 4148798

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$113,300	
Electrical		\$127,000
Mechanical	\$79,700	
Total	\$193,000	\$127,000
Importance Code A	\$113,300	\$63,500
Importance Code B	\$79,700	\$63,500
Total	\$193,000	\$127,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$93,000			
Interior Architecture	\$84,500		\$700	\$500
Electrical	\$13,100			\$100
Mechanical	\$26,900	\$6,000	\$6,000	\$12,400
Site Enclosure	\$7,200			
Total	\$224,800	\$6,000	\$6,800	\$13,000
Importance Code A	\$93,300	\$300	\$300	\$300
Importance Code B	\$71,400	\$5,700	\$6,200	\$12,700
Importance Code C	\$60,000		\$300	
Total	\$224,800	\$6,000	\$6,800	\$13,000



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 299/LADDER CO. 152
Asset # : 13185

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	90%	2-4	\$30,400	LIFE	**	5	\$18,900	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Around Overhead Door</i>								
Masonry: Limestone	5%			LIFE	**	5	\$1,600	
Metal Sect. OHD	5%	Now	\$37,200	2053	**	5	\$1,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Overhead Door</i>								
<i>Deformed/Dented, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Overhead Door</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Overhead Door</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
<i>Explanation : Often Malfunctions</i>								
Windows								
Aluminum	100%	Now	\$113,300	2058	**	5	\$1,200	
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Window</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	90%			LIFE	**	5-10	\$18,700	
Masonry: Limestone	10%			LIFE	**	5-10	\$3,700	
Roof								
Modified Bitumen	100%	0-2	\$5,400	2038	**			
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Roof</i>								
Soffits								
Stucco Cement	100%			2046	**	5		
Interior								
Floors								
Cast in Place Concrete	50%	4+	\$8,100	LIFE	**	5	\$10,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Apparatus Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : High Ground Water, 4 Sump Pumps Installed To Remove Ground Water</i>								
Ceramic Tile	5%			2029		5	\$500	
Quarry Tile	5%			2031		5	\$700	
Vinyl Tile	40%	Now	\$10,600	2038	**	3	\$1,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st And 2nd Floors</i>								

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Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 299/LADDER CO. 152
Asset # : 13185

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	15%	Now	\$15,000	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Ceramic Tile	5%			2036	**	5	\$700	
Concrete Masonry Unit	15%			LIFE	**	5	\$1,600	
Gypsum Board	5%	Now	\$1,800	LIFE	**	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 1st Floor Dining Room, Television Room, And Gymnasium</i>								
Metal Panel	5%			LIFE	**	10	\$300	
Plaster	35%	Now	\$11,200	LIFE	**	5	\$1,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement And Stairs</i>								
SGFT/Glazed Masonry	20%	0-2	\$23,600	LIFE	**			
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Garage Area</i>								
Ceilings								
AcousTileSusp.Lay-In	10%	Now	\$3,200	2046	**	5	\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 1st Floor Dining Room And Gymnasium</i>								
Plaster	90%			LIFE	**	5-10	\$15,100	
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$7,200	2053	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Side Driveway Gate</i>								
Retaining Walls								
Cast in Place Concrete	100%			2053	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2050	**			
Parking/Driveway								
Asphalt	100%			2042	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 299/LADDER CO. 152
Asset # : 13185

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
Raceway								
Conduit	95%			2033	\$34,200	1		
Conduit	5%			2043	**	1		
Panelboards								
Fused Disc Sw	5%			2032	\$2,400	5		
Molded Case Bkrs	75%			2032	\$36,400	5	\$100	
Molded Case Bkrs	20%			2041	**	5		
Wiring								
Braided Cloth	40%	2-4	\$13,000	2058	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement And 1st Floor</i>								
Thermoplastic	20%			2043	**	1		
Thermoplastic	40%			2033	\$13,000	1		
Motor Controllers								
Locally Mounted	100%			2031	\$17,800	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	40%			2033	\$20,100	10	\$2,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : T-8 Lamps</i>								
LED	60%			2038	**			
Exterior Lighting								
Fluorescent	4%			2028	\$900	10		
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof Exit Door, Backyard Wall</i>								
LED	16%			2038	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2046	**	1	\$2,900	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 299/LADDER CO. 152
Asset # : 13185

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Hot Wtr Piping/Pump	100%	0-2	\$2,500	2041	**	4	\$300	
<i>Corroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Terminal Devices								
Convactor/Radiator	85%	0-2	\$2,000	2038	**	1	\$1,500	
<i>Damaged, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Convactor Covers, Various Locations</i>								
Unit Heater - Hot Water	15%			2033			\$5,100	
Air Conditioning								
Energy Source								
Electricity	100%			2041	**	1		
Conversion Equipment								
Window/Wall Unit	50%	0-2	\$4,400	2028		1	\$11,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : The Units Are Down Constantly.</i>								
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$1,000	
No Component	80%							
Exhaust Fans								
Roof	20%			2033		2	\$2,200	
Wall Unit	30%			2033		2	\$700	\$100
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2043	**	1		
Water Heater With Tanks								
Gas Fired	50%			2032		2	\$8,300	
Gas Fired	50%	0-2	\$5,000	2033		2	\$8,300	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit Has Been Removed.</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%	0-2	\$300	2028		4	\$300	\$100
<i>Corroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Housings Of The Units, Basement.</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 4 Units. Pumps Are Running Constantly Due To Ground Water Or Other Source That Is Causing Flooding In Basement.</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 299/LADDER CO. 152
Asset # : 13185

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing	Fixtures							
	Generic	100%						
Fire Suppression	Chemical System							
	Generic	100%			2026	\$79,700	1-3	\$80,900
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Kitchen, Covers 20 Square Feet</i>								
<i>Explanation : 1 Set</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 3/ LADDER CO.12/ BATTALION 7
Address : 152 WEST 19th STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.003 / 13002 **Yr Built/Renovated** : 1967 /
Area Sq Ft : 8,772 **Project Type** : FIRE DEPARTMENT
Date of Survey : 24-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 794 **Lot** : 64 **BIN** : 1014723

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$79,400	
Electrical	\$26,000	\$63,500
Total	\$105,500	\$63,500
Importance Code A	\$79,400	
Importance Code B	\$26,000	\$63,500
Total	\$105,500	\$63,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$41,800		\$15,200	
Interior Architecture	\$22,700		\$400	\$700
Electrical	\$15,100	\$3,200	\$22,500	\$700
Mechanical	\$12,600	\$1,800	\$45,300	\$2,000
Site Enclosure				
Site Pavements	\$3,400			
Total	\$95,600	\$5,000	\$83,400	\$3,400
Importance Code A	\$42,300	\$400	\$15,600	\$400
Importance Code B	\$53,300	\$4,600	\$67,800	\$2,900
Importance Code C				
Total	\$95,600	\$5,000	\$83,400	\$3,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 3/ LADDER CO.12/ BATTALION 7
Asset # : 13002

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Glazed Ceramic Panel	30%	2-4	\$9,000	LIFE	**	5	\$26,400	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	60%	2-4	\$18,100	LIFE	**	5	\$11,300	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Chimney And Stair Bulkhead</i>								
Metal Sect. OHD	10%			2048	**	5	\$5,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Entrance Door</i>								
<i>Explanation : Fiberglass Overhead Door</i>								
Windows								
Aluminum	100%	Now	\$79,400	2056	**	5	\$900	
<i>Air Infiltration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Hardware Missing, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Thermally Inefficient</i>								
Parapets								
Glazed Ceramic Panel	8%	Now	\$1,700	2051	**	5	\$400	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Front Facade</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Of Building</i>								
Masonry: Brick	70%	2-4	\$7,600	LIFE	**	5	\$3,100	
<i>Vertical Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Front Of Building</i>								
Metal Panel	6%			2051	**	5	\$1,000	
Metal Rail	8%			2044	**	5-10	\$6,400	
Metal: Cage/Fence	8%			2044	**	5-10	\$2,700	
Roof								
Modified Bitumen	100%			2036	**	10	\$14,600	
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 3/ LADDER CO.12/ BATTALION 7
Asset # : 13002

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	35%			LIFE	**	5	\$8,800	
Ceramic Tile	5%			2034	**	5	\$600	
Quarry Tile	5%			2036	**	5	\$900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>								
<i>Location : Kitchen</i>								
Terrazzo	5%			LIFE	**	5	\$500	
Vinyl Tile	5%	Now	\$800	2036	**	3	\$200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 1%</i>								
<i>Location : 1st Floor Office</i>								
Vinyl Tile 9" X 9"	45%	Now	\$17,900	2036	**	3	\$1,900	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Concrete Masonry Unit	20%			LIFE	**	5	\$1,200	
Plaster	50%			LIFE	**	5	\$2,300	
SGFT/Glazed Masonry	30%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	5%	Now	\$1,800	2044	**	5	\$300	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Exposed Struc: Concrete	85%			LIFE	**	5	\$1,500	
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : 2nd Floor Bathroom, Bunk Rooms And Basement</i>								
<i>Spalling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Light, Area Affected : 15%</i>								
<i>Location : Stair Bulkhead And 2nd Floor Bunk Room</i>								
Plaster	2%	Now	\$2,000	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Toilet, Chief Office And Toilet</i>								
<i>Water Penetration, Extent : Light, Area Affected : 1%</i>								
<i>Location : 1st Floor Office Area</i>								
Plaster	8%			LIFE	**	5	\$600	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2031			\$25,900	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$3,400	2044	**			
<i>Tripping Hazard, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : West 19th Street Front Of Building</i>								
On-Site Walkways								
Cast in Place Concrete	100%			2044	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 3/ LADDER CO.12/ BATTALION 7
Asset # : 13002

Electrical System Component Type	Current Repair			Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	70%			2031	\$10,300	5		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : One 400 Ampere Main Disconnect Switch</i>							
Fused Disc Sw	30%			2051	**	5		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : One 200 Ampere Main Disconnect Switch</i>							
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	\$63,500	5	\$200	
Raceway								
Conduit	30%			2051	**	1		
Conduit	70%			2031	\$25,200	1		
Panelboards								
Fused Disc Sw	5%			2030	\$2,400	5		
Molded Case Bkrs	55%			2030	\$26,700	5	\$100	
Molded Case Bkrs	40%			2047	**	5	\$100	
Wiring								
Braided Cloth	40%	2-4	\$13,000	2056	**	1		
	<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
Thermoplastic	20%			2031	\$6,500	1		
Thermoplastic	40%			2051	**	1		
Motor Controllers								
Locally Mounted	70%			2029	\$12,500	5		
Locally Mounted	30%			2044	**	5		
Ground								
Grounding Devices								
Generic	50%			LIFE	**	5	\$100	
Generic	50%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	**	1	\$2,700	
Generators								
Diesel	100%			2040	**	1	\$3,400	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Outside</i>							
	<i>Explanation : One 80 Kilovolt Ampere</i>							
Batteries								
Lead/Acid	100%			2025	\$2,400	5	\$300	

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FIRE DEPARTMENT - 057
ENGINE CO. 3/ LADDER CO.12/ BATTALION 7
Asset # : 13002

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Fuel Storage								
Day Tank	50%			2047	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside Generator Area</i>								
<i>Explanation : One 60 Gallons</i>								
Main Tank	50%			2034	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 550 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent	60%			2036	**	10	\$4,800	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement And 2nd Floor</i>								
Fluorescent	35%			2026	\$26,000	10	\$2,800	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : First Floor</i>								
Incandescent	5%			2026	\$5,300	2		
Egress Lighting								
Emergency, Service	30%			2036	**	1		
Emergency, Service	10%			2026	\$500	1		
Emergency, Battery	10%	Now	\$1,400	2041	**			
<i>Not Functioning, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen, First Floor And Basement</i>								
Exit, Service	50%			2031	\$1,800	1		
Exterior Lighting								
HID	15%			2026	\$6,000	10		
<i>Outdr Lights On During Daytime, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Of Building</i>								
Incandescent	5%			2026	\$2,300	2		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2051	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2044	**	1	\$4,300	
Distribution								
Hot Wtr Piping/Pump	100%			2039	**	4	\$400	

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FIRE DEPARTMENT - 057
ENGINE CO. 3/ LADDER CO.12/ BATTALION 7
Asset # : 13002

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convactor/Radiator	60%			2036	**	1	\$1,700	
Convactor/Radiator	10%	Now	\$400	2051	**	1	\$300	
<i>Damaged, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 1st And 2nd Floor</i>								
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Cover Damaged</i>								
Unit Heater - Hot Water	30%			2031			\$15,200	
Air Conditioning								
Energy Source								
Electricity	100%			2047	**	1		
Conversion Equipment								
Split Unit	15%			2036	**			
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Serving Locker Rooms</i>								
Split Unit	10%	Now	\$2,000	2036	**			
<i>Leak Evident, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Split Unit Leaking Rerigerant</i>								
Window/Wall Unit	75%			2026		1	\$24,300	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,900	
Exhaust Fans								
Roof	80%			2031		2	\$200	
Wall Unit	20%			2031		2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		
Water Heater With Tanks								
Gas Fired	100%			2026		2	\$16,700	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	80%			LIFE	**	1		
Cast Iron	20%	Now	\$4,300	LIFE	**	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Bathroom Leaking Drain To1st Floor Ceiling</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 3/ LADDER CO.12/ BATTALION 7
Asset # : 13002

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Storm Drain Piping								
Cast Iron	80%	0-2	\$2,400	LIFE	**	1		
			<i>Blockage /Clogged, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Apparatus Room. Clogged Drain And Occassional Sewer Backup</i>					
Cast Iron	20%	Now	\$1,800	LIFE	**	1		
			<i>Blockage /Clogged, Extent : Severe, Area Affected : 50%</i>					
			<i>Location : Basement</i>					
Backflow Preventer								
No Component	95%							
Generic	5%			2036	**	1		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Serves Boiler Only</i>					
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	20%			2029	\$15,900	1-3	\$16,700	
			<i>Other Observation, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Kitchen Area</i>					
			<i>Explanation : System Serves Kitchen Area</i>					
No Component	80%							

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 301/LADDER CO. 150
Address : 91-02 197th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.301 / 13186 **Yr Built/Renovated** : 1933 / 2003
Area Sq Ft : 9,974 **Project Type** : FIRE DEPARTMENT
Date of Survey : 16-Jan-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 10464 **Lot** : 25 **BIN** : 4222434

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$288,100	
Interior Architecture	\$146,900	
Electrical	\$3,400	\$77,800
Mechanical		\$62,400
Total	\$438,400	\$140,200
Importance Code A	\$288,100	
Importance Code B	\$150,300	\$140,200
Total	\$438,400	\$140,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$60,000		\$7,200	\$9,500
Interior Architecture	\$105,400		\$1,100	\$700
Electrical	\$10,300		\$1,700	
Mechanical	\$15,400	\$1,500	\$61,600	\$1,500
Site Enclosure	\$4,800			
Site Pavements	\$2,000			
Total	\$197,900	\$1,500	\$71,600	\$11,700
Importance Code A	\$60,900	\$800	\$8,200	\$10,300
Importance Code B	\$80,400	\$700	\$63,500	\$1,400
Importance Code C	\$56,600			
Total	\$197,900	\$1,500	\$71,600	\$11,700



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FIRE DEPARTMENT - 057
ENGINE CO. 301/LADDER CO. 150
Asset # : 13186

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$153,700	LIFE	**	5	\$19,100	
<i>Diagonal Cracks, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Hose Tower At Window Openings And Corners</i>								
<i>Efflorescence, Extent : Severe, Area Affected : 5%</i>								
<i>Location : North Facade</i>								
<i>Repointing Failure, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Side, Rear Facades And Hose Tower</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Hose Tower And Throughout Base At Granite Joint</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Hose Tower, North Facade Building Extension Joint And At Base Perimeter</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Top Portion Of Building And Tower</i>								
<i>Explanation : Netting Added Four Years Ago Due To Falling Brick</i>								
Granite Panels	10%	Now	\$28,700	LIFE	**	5	\$1,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Window Sill And Corner At Overhead Door Opening</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Hose Tower, Sills And Lintels</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 20%</i>								
<i>Location : Window Sills And Building Base</i>								
Wood Overhead Doors	10%			2036	**	5	\$11,900	
Windows								
Aluminum	100%	Now	\$134,500	2056	**	5	\$1,300	1
<i>Air Infiltration, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : First Floor</i>								
<i>Explanation : Metal Protective Grilles</i>								
Parapets								
Masonry: Granite	100%	Now	\$24,900	LIFE	**	5	\$800	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Rear Facade Pitched Roof Granite</i>								
<i>Repointing Failure, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Hose Tower, Front And Rear Granite And Brick Joints</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Rear Facade</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 301/LADDER CO. 150
Asset # : 13186

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Asphalt Shingle	80%	Now	\$4,200	2034	**			
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Crickets At Hose Tower</i>								
Copper/Terne	5%			2046	**	10	\$1,200	
Roll Roofing	15%	Now	\$900	2027	\$9,500	5	\$1,200	
<i>Ridging, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Second Floor Roof/Drain And Throughout</i>								
<i>Seams Open/Split, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Second Floor Roof</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Flashings And Flashing Joint To Brick</i>								
Soffits								
Aluminum Sunshades	100%			2034	**	10	\$1,200	
Interior								
Floors								
Cast in Place Concrete	35%	0-2	\$17,600	LIFE	**	5	\$9,300	
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apron Of Apparatus Room Into Basement Tool Room</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Below Apparatus Room</i>								
<i>Explanation : Structurally Insufficient</i>								
Ceramic Tile	5%			2034	**	5	\$600	
Quarry Tile	5%	Now	\$2,200	2036	**	5	\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	45%	Now	\$2,900	2026	\$146,900	3	\$2,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Second Floor</i>								
Wood	10%			2046	**	5	\$2,300	

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FIRE DEPARTMENT - 057
ENGINE CO. 301/LADDER CO. 150
Asset # : 13186

Architecture	Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	5%	Now	\$18,700	LIFE		**		
<i>Horizontal Cracks, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Rear Wall In Gymnasium</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement Window Openings, North And West Perimeter Walls</i>								
Gypsum Board	20%	Now	\$4,600	LIFE		**	5	\$2,000
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Stair To Third Floor, Locker Room, Engine Officers Bedroom, Third Floor</i>								
<i>Recreation Room Walls On South And West Walls</i>								
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Stair To Third Floor And Hose Tower At First Floor</i>								
<i>Explanation : Mold</i>								
Masonry: Brick	10%	Now	\$15,600	LIFE		**		
<i>Diagonal Cracks, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Hose Tower</i>								
<i>Efflorescence, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Third Floor Walls</i>								
Plaster	15%	Now	\$12,000	LIFE		**	5	\$800
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Hose Tower</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Hose Tower, Second Floor Laundry Area, Bathroom, Locker Room, Officers</i>								
<i>Bedroom Exterior Wall, Stairs To Basement And Third Floor Stair</i>								
<i>Horizontal Cracks, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Hose Tower</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Hose Tower</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 45%</i>								
<i>Location : Hose Tower, Pole Hole And Various Locations Throughout</i>								
SGFT/Glazed Masonry	50%			LIFE		**		

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FIRE DEPARTMENT - 057
ENGINE CO. 301/LADDER CO. 150
Asset # : 13186

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	5%	Now	\$1,700	2036	**	5	\$300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Locker Room</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Second Floor</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout Second Floor</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Dormitory</i>								
Exposed Struc: Concrete	5%	Now	\$3,800	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Hose Tower, First Floor Apparatus Floor And Cellar Ceiling</i>								
Gypsum Board	15%	Now	\$2,700	LIFE	**	5	\$2,000	
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Stair To Third Floor</i>								
<i>Explanation : Mold</i>								
Plaster	75%	Now	\$23,300	LIFE	**	5	\$4,900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Gear Room On First Floor And Various Areas At Second Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Hose Tower, Locker Room, Engine Officers Bedroom, Stair</i>								
Site Enclosure								
Fence/Gates								
Aluminum Rail	2%	Now	\$100	2029	\$1,700	5	\$100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Rear Yard Step Railing</i>								
Chain Link	98%	4+	\$3,600	2041	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Rusted Hinges At Front Facade</i>								
<i>Impact Damage, Extent : Light, Area Affected : 10%</i>								
<i>Location : Rear Yard</i>								
Retaining Walls								
Cast in Place Concrete	100%	4+	\$1,100	2051	**			
<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>								
<i>Location : Rear Yard</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			
On-Site Walkways								
Cast in Place Concrete	100%	2-4	\$1,600	2036	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 301/LADDER CO. 150
Asset # : 13186

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

Parking/Driveway

Cast in Place Concrete	100%	2-4	\$400	2036	**			
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 10%**Location : Front Driveway*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2041	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Main Service Disconnect Switch Rated At 400 Amperes.*

Switchgear / Switchboard

Molded Case Bkrs	100%			2041	**	5	\$300	
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Raceway

Conduit	100%			2041	**	1		
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Panelboards

Molded Case Bkrs	100%			2039	**	5	\$300	
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Wiring

Thermoplastic	100%			2041	**	1		
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Ground

Grounding Devices

Generic	100%	0-2	\$10,200	LIFE	**	5	\$100	
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*Corroded, Extent : Moderate, Area Affected : 100%**Location : Basement*

Lighting

Interior Lighting

Fluorescent	92%			2031	\$77,800	10	\$8,400	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout The Building**Explanation : T-8 Lamps*

Fluorescent	4%			2026	\$3,400	10	\$400	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement, 1st Floor**Explanation : T-12 Lamps*

Incandescent	1%			2026	\$1,200	2		
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LED	3%			2039	**			
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Egress Lighting

Emergency, Battery	30%			2031	\$4,900	10	\$700	
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Exit, Service	70%			2031	\$2,900	1		
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Exterior Lighting

HID	30%			2031	\$13,600	10		
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No Component	70%							
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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 301/LADDER CO. 150
Asset # : 13186

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Electricity	20%			2041	**	1		
Natural Gas	80%			2041	**	1		
Conversion Equipment								
Heat Pump Air Sourced	20%			2032		2	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
<i>Explanation : 4 Units</i>								
Steam Boiler	80%			2044	**	1	\$7,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Steam Piping/Pump	80%	0-2	\$3,100	2031			\$62,400	
<i>Loose, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Control Valves, Various Locations</i>								
No Component	20%							
Terminal Devices								
Convactor/Radiator	80%			2036	**	1	\$2,600	
Fan Coil Unit/Heat	20%			2036	**	1	\$600	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Split Unit	10%	0-2	\$1,200	2026			\$23,100	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2 Units. Various</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various</i>								
<i>Explanation : Inefficient Units</i>								
Split Unit	10%	0-2	\$1,200	2036	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
<i>Explanation : 2 Inefficient Units. R-410a</i>								
Window/Wall Unit	50%			2026		1	\$18,500	
No Component	30%							
Terminal Devices								
Fan Coil - 2 Pipe	20%			2031		1	\$41,600	\$600
No Component	80%							
Heat Rejection								
Air Cooled Condenser Unit	20%			2031		2	\$3,900	\$1,400
No Component	80%							
Ventilation								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 301/LADDER CO. 150
Asset # : 13186

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Ventilation								
Distribution								
	Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,700
	No Component	70%						
Exhaust Fans								
	Interior	20%			2031	\$8,600	2	\$100
	Roof	10%	0-2	\$200	2031	\$1,900	2	
			<i>Noisy/Vibrating, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Bathroom Fan, Roof</i>					
	Wall Unit	20%	0-2	\$200	2026	\$800	2	
			<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Apparatus Floor</i>					
	No Component	50%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2041	**	1	
Water Heater With Tanks								
	Gas Fired	100%			2026	\$16,700	2	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Two 75 Gallon Units</i>					
Sanitary Piping								
	Cast Iron	100%	0-2	\$6,100	LIFE	**	1	
			<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : On Both Sides And The Rear Side Of The Building</i>					
Storm Drain Piping								
	Cast Iron	100%	0-2	\$1,700	LIFE	**	1	
			<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>					
			<i>Location : 2nd Floor</i>					
Sump Pump(s)								
	Submersible	100%			2024	\$300	4	\$300
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System								
	No Component	99%						
	Generic	1%			2026	\$800	1-3	\$700

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 302/LADDER CO. 155
Address : 143-15 ROCKAWAY BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.302 / 13187 **Yr Built/Renovated** : 1931 /
Area Sq Ft : 5,152 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Feb-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 12046 **Lot** : 2 **BIN** : 4261544

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$8,000			
Interior Architecture	\$32,800	\$1,200	\$500	\$600
Electrical		\$100		\$100
Mechanical	\$6,300	\$1,700	\$700	\$2,500
Site Enclosure	\$3,000			
Site Pavements	\$4,400			
Total	\$54,400	\$2,900	\$1,100	\$3,200
Importance Code A	\$8,400	\$400	\$400	\$500
Importance Code B	\$35,600	\$2,500	\$400	\$2,800
Importance Code C	\$10,300		\$300	
Total	\$54,400	\$2,900	\$1,100	\$3,200



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 302/LADDER CO. 155
Asset # : 13187

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Masonry: Brick	80%			LIFE	**	5	\$16,400		
Masonry: Granite	3%			LIFE	**	5	\$500		
Masonry: Limestone	7%			LIFE	**	5	\$1,100		
Metal Sect. OHD	10%			2049	**	5	\$6,400		
Windows									
Aluminum	100%	Now	\$4,800	2048	**	5	\$300		
<i>Air Infiltration, Extent : Moderate, Area Affected : 50%</i>									
<i>Location : Throughout</i>									
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 35%</i>									
<i>Location : Throughout</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Bunk Room And Office</i>									
Parapets									
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$700		
<i>Recent Replace Evident, Extent : Light, Area Affected : 100%</i>									
<i>Location : Parapet Wall</i>									
Masonry: Brick	95%			LIFE	**	5	\$1,600		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Parapet Wall</i>									
<i>Explanation : Repointing Work Done In 2013</i>									
Roof									
Asphalt Shingle	5%			2041	**	10	\$100		
Modified Bitumen	95%			2040	**	10	\$8,200		
Interior									
Floors									
Cast in Place Concrete	51%	4+	\$7,200	LIFE	**	5	\$9,500		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>									
<i>Location : Throughout</i>									
Ceramic Tile	5%			2041	**	5	\$400		
Poured Epoxy/Resin	2%			2030			\$9,300		
Quarry Tile	5%			2045	**	5	\$600		
Sheet Vinyl/Rubber	5%			2037	**	5	\$600		
Terrazzo	2%	0-2	\$300	LIFE	**	5	\$100		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
Vinyl Tile	30%	Now	\$1,400	2037	**	3	\$1,000		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Basement</i>									

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 302/LADDER CO. 155
Asset # : 13187

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	10%	Now	\$800	LIFE	**			
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement Gymnasium</i>								
Ceramic Tile	10%			2041	**	5	\$500	
Gypsum Board	10%			LIFE	**	5	\$300	
Masonry: Brick	10%			LIFE	**			
Plaster	35%	4+	\$2,200	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Roof Hatch And Bunk Room</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Second Floor</i>								
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	20%			2045	**	5	\$1,700	
Exposed Struc: Steel	40%	Now	\$16,000	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bilco Door</i>								
Gypsum Board	2%			LIFE	**	5	\$200	
Plaster	38%	Now	\$4,800	LIFE	**	5	\$2,000	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second Floor Front Bunk Room</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$3,000	2042	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Gate</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2049	**			
On-Site Walkways								
Cast in Place Concrete	100%			2045	**			
Parking/Driveway								
Cast in Place Concrete	100%	Now	\$4,400	2045	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Sinking/Subsiding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Overhead Door Apron</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 302/LADDER CO. 155
Asset # : 13187

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2042	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2042	**	5	\$100	
Raceway								
Conduit	100%			2042	**	1		
Panelboards								
Molded Case Bkrs	100%			2040	**	5	\$100	
Wiring								
Thermoplastic	100%			2042	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
LED	100%			2040	**			
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : LED Light Fixtures</i>								
Exterior Lighting								
LED	30%			2040	**			
No Component	70%							
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2042	**	1		
Conversion Equipment								
Furnace	25%			2037	**	1	\$600	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Ceiling Of Apparatus Floor</i>								
<i>Explanation : 1 Gas Fired Modine Unit</i>								
Steam Boiler	75%			2045	**	1	\$3,800	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Steam Piping/Pump	75%			2042	**			
No Component	25%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 302/LADDER CO. 155
Asset # : 13187

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Terminal Devices								
Convactor/Radiator	50%			2037	**	1	\$800	
No Component	50%							
Air Conditioning								
Energy Source								
Electricity	100%			2040	**	1		
Conversion Equipment								
Split Unit	10%			2037	**			
Window/Wall Unit	30%	0-2	\$3,400	2032	\$5,700	1		
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								
Window/Wall Unit	10%			2027	\$1,900	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	15%			LIFE	**	2-5	\$400	
No Component	85%							
Exhaust Fans								
Roof	15%			2037	**	2		
Wall Unit	45%	0-2	\$1,000	2042	**	2	\$100	
<i>Abandoned in Place, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
No Component	40%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2042	**	1		
Water Heater With Tanks								
Gas Fired	100%			2030	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units</i>								
Sanitary Piping								
Cast Iron	100%	0-2	\$1,300	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement House Trap And Mens Bathroom</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2025	\$200	4	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Pits With 1 Pump In Each</i>								
Fixtures								
Generic	100%							
Fire Suppression								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 302/LADDER CO. 155
Asset # : 13187

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Chemical System							
	No Component	99%						
	Generic	1%			2025	\$800	1-3	\$700
<i>Other Observation, Extent : N/A, Area Affected : 100%</i> <i>Location : Kitchen</i> <i>Explanation : 1 Set</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 303/LADDER CO. 126
Address : 104-12 PRINCETON STREET @ LIBERTY AVE.
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.303 / 13188 **Yr Built/Renovated** : 1931 / 2007
Area Sq Ft : 5,610 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Feb-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 10046 **Lot** : 14 **BIN** : 4214846

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$1,062,200	
Interior Architecture	\$172,300	
Mechanical	\$95,600	
Total	\$1,330,100	
Importance Code A	\$1,062,200	
Importance Code B	\$268,000	
Total	\$1,330,100	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$52,100		\$400	
Interior Architecture	\$50,800		\$1,300	\$500
Electrical	\$100		\$100	
Mechanical	\$23,100	\$7,300	\$7,500	\$15,100
Site Enclosure	\$13,500			
Total	\$139,500	\$7,300	\$9,300	\$15,600
Importance Code A	\$52,700	\$600	\$900	\$600
Importance Code B	\$45,200	\$6,800	\$7,800	\$15,100
Importance Code C	\$41,600		\$600	
Total	\$139,500	\$7,300	\$9,300	\$15,600



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 303/LADDER CO. 126
Asset # : 13188

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	15%			2043	**	10	\$1,000	
Masonry: Brick	55%	Now	\$552,700	LIFE	**	5	\$11,500	
<i>Diagonal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : West Facade</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : North, South And West Facades</i>								
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : South And West Facades</i>								
Masonry: Brick	15%	Now	\$251,200	LIFE	**	5	\$3,100	1
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front Facade</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Facade</i>								
<i>Explanation : Leaning Sections</i>								
Masonry: Limestone	5%	Now	\$48,100	LIFE	**	5	\$800	
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Granite Panels	2%			LIFE	**	5	\$600	
Wood Overhead Doors	8%			2053	**	5	\$8,300	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Front Elevation</i>								
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Front Elevation</i>								
<i>Explanation : Door Is A Plastic Composite Product</i>								
Windows								
Aluminum	100%	Now	\$90,400	2058	**	5	\$1,000	
<i>Unit Inoperable, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	85%	Now	\$167,800	LIFE	**	5	\$2,300	1
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Front Facade</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : North, South And West Facades</i>								
Masonry: Limestone	10%			LIFE	**	5-10	\$3,200	
Pre-Cast Concrete	5%			LIFE	**	5	\$1,700	
Roof								
Asphalt Shingle	25%			2036	**	10	\$400	
Modified Bitumen	75%			2038	**	10	\$6,300	

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 303/LADDER CO. 126
Asset # : 13188

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$61,000	LIFE	**	5	\$8,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement Steps</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Shower Pan In Captain's Office</i>								
Ceramic Tile	15%			2036	**	5	\$1,400	
Vinyl Tile	45%	0-2	\$111,400	2043	**	3	\$1,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								
Interior Walls								
Cast in Place Concrete	5%	Now	\$2,200	LIFE	**			
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement At Utility Penetrations</i>								
Ceramic Tile	10%			2036	**	5	\$1,200	
Gypsum Board	15%			LIFE	**	5-10	\$3,000	
Masonry: Brick	15%			LIFE	**	10	\$500	
Plaster	40%	Now	\$22,600	LIFE	**	5	\$1,400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Captains Office</i>								
SGFT/Glazed Masonry	15%			LIFE	**	10	\$900	
Ceilings								
AcousTileSusp.Lay-In	10%	0-2	\$8,900	2046	**	5	\$500	
<i>Staining/Discoloring, Extent : Light, Area Affected : 20%</i>								
<i>Location : Kitchen And Bathroom</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Kitchen And Bathroom</i>								
Exposed Struc: Steel	30%			LIFE	**	10	\$5,500	
Plaster	60%	0-2	\$8,200	LIFE	**	5	\$3,400	
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Garage</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	0-2	\$13,500	2043	**			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Side Yards</i>								
<i>Explanation : Leaning Sections</i>								
Site Pavements								

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FIRE DEPARTMENT - 057
ENGINE CO. 303/LADDER CO. 126
Asset # : 13188

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2038	**			
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On-Site Walkways

Cast in Place Concrete	100%			2038	**			
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Parking/Driveway

Cast in Place Concrete	100%			2038	**			
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Cracking/Crumbling, Extent : Moderate, Area Affected : 10%

Location : Throughout

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2043	**	5		
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : Main Service Disconnect Switch Rated At 200 Amperes.

Switchgear / Switchboard

Molded Case Bkrs	100%			2043	**	5	\$100	
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Raceway

Conduit	100%			2043	**	1		
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Panelboards

Molded Case Bkrs	100%			2041	**	5	\$100	
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Wiring

Thermoplastic	100%			2043	**	1		
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Motor Controllers

Locally Mounted	100%			2038	**	5		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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Lighting

Interior Lighting

Fluorescent	98%			2033	\$46,600	10	\$5,000	
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T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%

Location : Throughout The Building

LED	2%			2038	**			
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Egress Lighting

Emergency, Battery	50%			2033	\$4,600	10	\$700	
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Exit, Battery	50%			2033	\$3,900	10	\$200	
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Exterior Lighting

LED	20%			2041	**			
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No Component	80%							
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FIRE DEPARTMENT - 057
ENGINE CO. 303/LADDER CO. 126
Asset # : 13188

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Steam Boiler	100%			2038	**	1	\$5,600	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Steam Piping/Pump	100%			2053	**			
Terminal Devices								
Convactor/Radiator	75%			2038	**	1	\$1,400	
Fan Coil Unit/Heat	25%	Now	\$6,800	2033	\$34,000	1	\$400	
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
Controls								
Electrical	100%			2028	\$30,500			
Air Conditioning								
Energy Source								
Electricity	100%			2032	\$7,500	1		
Conversion Equipment								
Window/Wall Unit	50%			2028	\$10,400	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$500	
No Component	90%							
Exhaust Fans								
Roof	10%			2033	\$1,100	2		
Wall Unit	20%			2033	\$500	2		
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2043	**	1		
Water Heater With Tanks								
Gas Fired	100%			2031	\$33,400	2		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	0-2	\$1,000	LIFE	**	1		
<i>Leak Evident, Extent : Light, Area Affected : 100%</i>								
<i>Location : Storm Drain Line In Stairwell</i>								
Sump Pump(s)								
Submersible	100%			2026	\$200	4	\$200	

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FIRE DEPARTMENT - 057
ENGINE CO. 303/LADDER CO. 126
Asset # : 13188

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2026	\$95,600	1-3	\$97,100	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Hood Is 24 Square Feet</i>						

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 304/LADDER CO. 162
Address : 218-44 97th AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.304 / 13189 **Yr Built/Renovated** : 1922 /
Area Sq Ft : 5,376 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Jun-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 10770 **Lot** : 23 **BIN** : 4230875

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$232,200	
Interior Architecture		\$88,200
Electrical		\$63,500
Mechanical	\$99,600	
Total	\$331,800	\$151,700
Importance Code A	\$232,200	
Importance Code B	\$99,600	\$151,700
Total	\$331,800	\$151,700

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$87,600			
Interior Architecture	\$80,600			\$900
Electrical	\$10,000	\$200	\$200	\$200
Mechanical	\$28,300	\$7,700	\$7,800	\$19,600
Site Pavements	\$7,200			
Total	\$213,800	\$7,900	\$8,000	\$20,800
Importance Code A	\$88,100	\$500	\$500	\$500
Importance Code B	\$90,100	\$7,300	\$7,500	\$20,000
Importance Code C	\$35,600			\$300
Total	\$213,800	\$7,900	\$8,000	\$20,800



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FIRE DEPARTMENT - 057
ENGINE CO. 304/LADDER CO. 162
Asset # : 13189

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$232,200	LIFE	**	5	\$14,400	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : West Facade</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Facade, West Facade</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Office And Truck Office</i>								
Masonry: Limestone	5%	Now	\$6,900	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Window Sills</i>								
Stucco Cement	5%			2038	**	5	\$2,300	
Wood Overhead Doors	10%	Now	\$10,100	2038	**	5	\$4,500	
<i>Deteriorated Finish, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%	Now	\$8,000	2041	**	5	\$900	
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Hardware Missing, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$1,800	LIFE	**	5	\$1,500	
<i>Open Joints, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade Parapet</i>								
Masonry: Brick	90%	Now	\$44,100	LIFE	**	5	\$1,800	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Parapet</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Facade, West Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Interior Face</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 304/LADDER CO. 162
Asset # : 13189

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	100%	Now	\$16,600	2038		**		
<i>Blisters, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Lower Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Lower Roof, Stairs And Kitchen</i>								
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$17,000	LIFE		**	5	\$8,900
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Apparatus Room At Overhead Door</i>								
<i>Drains Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room At Overhead Door</i>								
Ceramic Tile	5%			2042		**	5	\$400
Quarry Tile	5%			2038		**	5	\$600
Vinyl Tile	40%	0-2	\$17,600	2033	\$88,200		3	\$1,200
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout 2nd Floor</i>								
Interior Walls								
Cast in Place Concrete	10%	Now	\$4,200	LIFE		**		
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Boiler Room And Gymnasium</i>								
Ceramic Tile	5%			2042		**	5	\$600
Gypsum Board	10%			LIFE		**	5-10	\$1,900
Masonry: Brick	5%	Now	\$10,600	LIFE		**		
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stairs</i>								
Plaster	30%	Now	\$10,200	LIFE		**	5	\$1,000
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Hose Tower</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 100%</i>								
<i>Location : Hose Tower</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Offices</i>								
Plywood/Hardboard	5%			LIFE		**	10	\$100
SGFT/Glazed Masonry	35%			LIFE		**	10	\$2,000

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FIRE DEPARTMENT - 057
ENGINE CO. 304/LADDER CO. 162
Asset # : 13189

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Ceilings

AcousTileSusp.Lay-In	15%	Now	\$1,900	2046	**	5	\$600	
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Broken/Missing Elements, Extent : Moderate, Area Affected : 5%

Location : Television Room, Basement, Kitchen

Staining/Discoloring, Extent : Light, Area Affected : 10%

Location : Throughout

Water Penetration, Extent : Severe, Area Affected : 5%

Location : Kitchen

Exposed Struc: Concrete	15%			LIFE	**	5-10	\$1,400	
Exposed Struc: Steel	20%			LIFE	**	10	\$3,100	
Plaster	50%	Now	\$11,400	LIFE	**	5	\$2,400	

Cracking/Crumbling, Extent : Moderate, Area Affected : 10%

Location : 2nd Floor Corridor

Staining/Discoloring, Extent : Light, Area Affected : 15%

Location : Second Floor Corridor

Water Penetration, Extent : Moderate, Area Affected : 10%

Location : Hose Tower, 2nd Floor Corridor And Offices

Site Enclosure

Fence/Gates

Chain Link	100%			2053	**			
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Retaining Walls

Cast in Place Concrete	100%			2053	**			
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2046	**			
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On-Site Walkways

Cast in Place Concrete	100%			2046	**			
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Parking/Driveway

Cast in Place Concrete	100%	Now	\$7,200	2046	**			
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Cracking/Crumbling, Extent : Moderate, Area Affected : 25%

Location : Front Ramp

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2033	\$14,700	5		
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : Main Service Disconnect Switch Rated At 200 Amperes.

Switchgear / Switchboard

Molded Case Bkrs	100%			2033	\$63,500	5	\$100	
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Raceway

Conduit	100%			2033	\$36,000	1		
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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 304/LADDER CO. 162
Asset # : 13189

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Fused Disc Sw	10%			2032	\$4,800	5		
Molded Case Bkrs	60%			2032	\$29,100	5	\$100	
Molded Case Bkrs	30%			2041	**	5		
Wiring								
Braided Cloth	30%	2-4	\$9,800	2058	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	40%			2033	\$13,000	1		
Thermoplastic	30%			2043	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	1%			2033	\$500	10		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : T-8 Lamps</i>								
LED	99%			2038	**			
Exterior Lighting								
HID	20%			2028	\$4,900	10		
LED	10%			2038	**			
No Component	70%							
Alarm								
Security System								
Generic	100%			2038	**	1	\$2,000	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Outside Perimeter</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Steam Boiler	100%			2038	**	1	\$5,300	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Steam Piping/Pump	100%			2043	**			
Terminal Devices								
Convactor/Radiator	100%			2031	\$42,900	1	\$1,700	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 304/LADDER CO. 162
Asset # : 13189

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Controls								
Electrical	100%			2028	\$29,200			
Air Conditioning								
Energy Source								
Electricity	100%			2041	**	1		
Conversion Equipment								
Split Unit	15%			2033	\$18,700			
Window/Wall Unit	60%	0-2	\$3,600	2028	\$11,900	1		
<i>Not Energy Efficient, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Various Locations</i>								
No Component	25%							
Terminal Devices								
Fan Coil - 2 Pipe	15%			2033	\$18,000	1	\$300	
No Component	85%							
Heat Rejection								
Air Cooled Condenser Unit	15%			2033	\$1,700	2	\$600	
No Component	85%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$500	
No Component	90%							
Exhaust Fans								
Roof	10%			2033	\$1,000	2		
Wall Unit	20%			2028	\$500	2		
No Component	70%							
<i>Other Observation, Extent : N/A, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Lack Of Air Ventilation For Bathrooms</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2043	**	1		
Water Heater With Tanks								
Gas Fired	100%	0-2	\$1,700	2031	\$33,400	2		
<i>Not Energy Efficient, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : One Of The Units, Basement</i>								
<i>Other Observation, Extent : N/A, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units</i>								
Sanitary Piping								
Cast Iron	100%	Now	\$3,300	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement House Trap, Basement</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2026	\$200	4	\$200	

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FIRE DEPARTMENT - 057
ENGINE CO. 304/LADDER CO. 162
Asset # : 13189

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing	Fixtures							
	Generic	100%						
Fire Suppression	Chemical System							
	Wet	100%			2026	\$99,600	1-3	\$116,100
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Covers 25 Square Feet</i>								

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 ** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 305/LADDER CO. 151
Address : 111-02 QUEENS BOULEVARD @ 75TH AVE.
Borough : QUEENS Agency's Number : N/A
Program / Asset # : FIRSECO.305 / 13190 Yr Built/Renovated : 1922 / 2005
Area Sq Ft : 4,248 Project Type : FIRE DEPARTMENT
Date of Survey : 14-Dec-2021 Landmark Status : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Floors 1,2,Att
Block : 3294 Lot : 20 BIN : 4078827

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture		\$113,000
Electrical		\$26,600
Mechanical	\$105,000	
Total	\$105,000	\$139,600
Importance Code B	\$105,000	\$139,600
Total	\$105,000	\$139,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$14,100		\$2,500	
Interior Architecture	\$51,600		\$200	\$500
Electrical	\$500	\$300	\$300	\$3,000
Mechanical	\$28,400	\$7,100	\$51,500	\$18,600
Site Pavements	\$12,900			
Total	\$107,400	\$7,400	\$54,500	\$22,100
Importance Code A	\$16,000	\$400	\$2,900	\$400
Importance Code B	\$65,500	\$7,000	\$51,600	\$21,500
Importance Code C	\$25,900			\$200
Total	\$107,400	\$7,400	\$54,500	\$22,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 305/LADDER CO. 151
Asset # : 13190

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$25,300	
Masonry: Limestone	10%			LIFE	**	5	\$2,400	
Metal Sect. OHD	10%			2046	**	5	\$4,900	
Windows								
Aluminum	100%			2049	**	5	\$400	
Roof								
Copper/Terne	100%			2048	**	10	\$15,800	
Interior								
Floors								
Cast in Place Concrete	48%	Now	\$16,700	LIFE	**	5	\$6,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Bay</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Bay</i>								
Ceramic Tile	5%	Now	\$400	2042	**	5	\$200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor Toilet</i>								
Quarry Tile	5%	0-2	\$500	2046	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen And Lounge Area</i>								
Terrazzo	2%	4+	\$300	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Stair Steps</i>								
Vinyl Tile	40%	Now	\$5,600	2033	\$113,000	3	\$1,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bunk Room</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second Floor, Bunk Room, Locker Room And Offices</i>								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**	10	\$2,200	
Ceramic Tile	5%			2042	**	5	\$400	
Gypsum Board	45%			LIFE	**	5-10	\$6,800	
Masonry: Brick	7%			LIFE	**	10	\$200	
SGFT/Glazed Masonry	30%	Now	\$5,100	LIFE	**			
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Bay</i>								
Wood	3%			LIFE	**	5	\$2,100	

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FIRE DEPARTMENT - 057
ENGINE CO. 305/LADDER CO. 151
Asset # : 13190

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	7%			2046	**	5	\$500	
Exposed Struc: Concrete	30%	Now	\$8,100	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Basement Meter Room</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Basement Meter Room</i>								
Gypsum Board	3%			LIFE	**	5-10	\$700	
Plaster	60%	Now	\$6,600	LIFE	**	5	\$2,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Around Ceiling Supply Ducts In Bunk Room, Locker Room And Offices</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Around Ceiling Supply Ducts In Bunk Room, Locker Room And Offices</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2053	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	**			
On-Site Walkways								
Cast in Place Concrete	100%			2038	**			
Parking/Driveway								
Asphalt	100%	Now	\$12,900	2042	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Parking Area South Side Of Building</i>								
<i>Potholes, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Parking Area South Side Of Building</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2053	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 400 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2053	**	5	\$100	
Raceway								
Conduit	70%			2033	\$27,600	1		
Conduit	30%			2053	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 305/LADDER CO. 151
Asset # : 13190

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Molded Case Bkrs	50%			2032	\$26,600	5	\$100	
Molded Case Bkrs	50%			2049	**	5	\$100	
Wiring								
Thermoplastic	100%			2043	**	1		
Motor Controllers								
Locally Mounted	100%			2031	\$19,500	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2046	**	1	\$1,300	
Generators								
Diesel	100%			2042	**	1	\$1,700	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Rear Of The Building</i>								
<i>Explanation : Emergency Generator Rated At 60 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2027	\$2,600	5	\$200	
Fuel Storage								
Main Tank	100%			2061	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Rear Of The Building</i>								
<i>Explanation : 125 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
Incandescent	2%			2028	\$1,100	2		
LED	98%			2038	**			
Egress Lighting								
Emergency, Service	40%			2038	**	1		
Emergency, Battery	10%			2033	\$800	10	\$100	
Exit, Battery	50%			2033	\$3,200	10	\$100	
Exterior Lighting								
LED	20%			2038	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 305/LADDER CO. 151
Asset # : 13190

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment Steam Boiler	100%	2-4	\$2,000	2031	\$39,700	1	\$3,800	
<i>Corroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit, 500 Mbh Approximately</i>								
Distribution Steam Piping/Pump	100%			2033	\$36,500			
<i>On Extended Life, Extent : Light, Area Affected : 50%</i>								
<i>Location : Various Locations</i>								
Terminal Devices Convactor/Radiator	100%			2038	**	1	\$1,400	
Controls Electrical	100%			2026	\$25,300			
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Boiler Master Thermostat</i>								
Air Conditioning								
Energy Source Electricity	50%			2041	**	1		
No Component	50%							
Conversion Equipment Split Unit	25%	0-2	\$1,400	2028	\$27,000			
<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor - Condensate Leakage</i>								
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outdoor Units - Backyard, Indoor Units - Attic</i>								
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Outdoor Units - Backyard, Indoor Units - Attic</i>								
<i>Explanation : 2 Ducted Systems Serving 2nd Floor, 5 Tons Approximately Each</i>								
Window/Wall Unit	25%			2028	\$4,300	1		
No Component	50%							
Distribution Ductwork/Diffusers	50%			LIFE	**	2	\$3,500	
No Component	50%							
Ventilation								
Distribution Ductwork/Diffusers	10%	Now	\$6,000	LIFE	**	2-5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Damaged Kitchen Hood As A Result Of Cooking Fire</i>								
No Component	90%							

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FIRE DEPARTMENT - 057
ENGINE CO. 305/LADDER CO. 151
Asset # : 13190

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
	Exhaust Fans							
	Interior	20%			2033	\$4,000	2	
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Attic</i>					
			<i>Explanation : Toilet Exhaust Fan, 1 Unit</i>					
	Roof	10%			2028	\$900	2	
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Building Exterior</i>					
			<i>Explanation : Hood Exhaust Fan</i>					
	Wall Unit	50%			2028	\$1,000	2	\$100
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Fire Truck Area</i>					
			<i>Explanation : Fire Truck Area Exhaust Fan, 1 Unit</i>					
	No Component	20%						
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2043	**	1	
	Water Heater With Tanks							
	Gas Fired	50%			2026	\$18,300	2	
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 Unit, 75.1 Mbh, 74 Gallons. Quantity 1</i>					
	Gas Fired	50%			2031	\$18,300	2	
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 Unit, 75.1 Mbh, 74 Gallons. Quantity 1</i>					
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2024	\$100	4	\$100
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Wet	100%			2026	\$105,000	1-3	\$111,500
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : 6 X 4 Foot Hood</i>					

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 306
Address : 40-18 214th PLACE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.306 / 13191 **Yr Built/Renovated** : 1924 / 2007
Area Sq Ft : 4,860 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Apr-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 6288 **Lot** : 32 **BIN** : 4138284

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$253,200	\$77,400
Interior Architecture	\$54,300	\$108,600
Mechanical		\$79,700
Total	\$307,500	\$265,600
Importance Code A	\$253,200	\$77,400
Importance Code B	\$54,300	\$188,200
Total	\$307,500	\$265,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$56,200	\$3,100	\$100	
Interior Architecture	\$59,300		\$300	\$1,500
Electrical	\$200	\$100	\$100	\$100
Mechanical	\$13,200	\$6,100	\$6,200	\$12,600
Site Pavements	\$33,500			
Total	\$162,300	\$9,300	\$6,800	\$14,200
Importance Code A	\$56,700	\$3,600	\$600	\$500
Importance Code B	\$54,200	\$5,700	\$6,100	\$12,900
Importance Code C	\$51,500			\$800
Total	\$162,300	\$9,300	\$6,800	\$14,200



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 306
Asset # : 13191

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$253,200	LIFE	**	5	\$15,700	
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North And West Facades</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : North And West Facades</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North And West Facades</i>								
Masonry: Granite	2%			LIFE	**	5	\$600	
Masonry: Limestone	8%	2-4	\$2,400	LIFE	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Above Main Entrance</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Facade</i>								
Metal Sect. OHD	10%			2050	**	5	\$6,100	
Windows								
Aluminum	100%			2049	**	5	\$1,600	
Parapets								
Masonry: Brick	90%	Now	\$47,000	LIFE	**	5	\$1,900	
<i>Paint Peeling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North And West Parapets</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : North And West Parapets</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North And West Parapets</i>								
Masonry: Limestone	5%			LIFE	**	5-10	\$1,300	
Pre-Cast Concrete	5%			LIFE	**	5	\$1,300	
Roof								
Asphalt Shingle	10%			2046	**	10	\$100	
Built-Up (BUR)	90%	0-2	\$3,900	2033	\$77,400			
<i>Blisters, Extent : Light, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$14,100	
Ceramic Tile	5%			2042	**	5	\$400	
Quarry Tile	5%			2046	**	5	\$600	
Vinyl Tile	50%	0-2	\$54,300	2033	\$108,600	3	\$1,500	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 306
Asset # : 13191

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	20%	Now	\$3,300	LIFE		**		
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Ceramic Tile	15%			2042		**	\$1,700	
Gypsum Board	5%			LIFE		**	\$900	
Masonry: Brick	5%	0-2	\$10,300	LIFE		**		
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement And Stair</i>								
Plaster	55%	Now	\$14,500	LIFE		**	\$1,800	
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Offices, Interior Walls At Window Perimeter, Stairway</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Female Locker, Captain Office And Weight Room</i>								
Ceilings								
AcousTileSusp.Lay-In	10%			2038		**	\$800	
Exposed Struc: Steel	15%	Now	\$5,700	LIFE		**		
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Bilco Door</i>								
Plaster	75%	Now	\$17,900	LIFE		**	\$3,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Roof Scuttle, Female Locker And Weight Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Roof Scuttle, Female Locker And Weight Room</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2053		**		
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$10,700	2046		**		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 214th Place</i>								
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$7,200	2046		**		
<i>Sinking/Subsiding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Adjacent Driveway</i>								
Parking/Driveway								
Asphalt	75%	Now	\$15,600	2042		**		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Parking Driveway</i>								
<i>Sinking/Subsiding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Driveway</i>								
Cast in Place Concrete	25%			2038		**		

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FIRE DEPARTMENT - 057
ENGINE CO. 306
Asset # : 13191

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2033	\$14,700	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>								
Raceway								
Conduit	100%			2043	**	1		
Panelboards								
Fused Disc Sw	10%			2041	**	5		
Molded Case Bkrs	70%			2041	**	5	\$100	
Molded Case Bkrs	20%			2049	**	5		
Wiring								
Thermoplastic	100%			2043	**	1		
Motor Controllers								
Locally Mounted	100%			2038	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
LED	100%			2038	**			
Exterior Lighting								
HID	10%			2033	\$2,200	10		
LED	10%			2041	**			
No Component	80%							
Alarm								
Security System								
No Component	50%							
Generic	50%			2038	**	1	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Perimeter Of The Building</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Steam Boiler	100%			2038	**	1	\$4,800	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Steam Piping/Pump	100%			2043	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 306
Asset # : 13191

Mechanical System Component Type	Current Repair			Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Terminal Devices								
Convactor/Radiator	100%			2038	**	1	\$1,600	
Air Conditioning								
Energy Source								
Electricity	100%			2041	**	1		
Conversion Equipment								
Window/Wall Unit	50%			2028	\$9,000	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$400	
No Component	90%							
Exhaust Fans								
Roof	10%	0-2	\$200	2033	\$900	2		
		<i>Not in Service, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Roof</i>						
Wall Unit	20%			2028	\$400	2		
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2043	**	1		
Water Heater With Tanks								
Gas Fired	100%			2031	\$33,400	2		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two 75 Gallon Units</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2024	\$100	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2028	\$79,700	1-3	\$80,900	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : 1 Set Covers 20 Square Feet</i>						

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 307/LADDER CO. 154
Address : 81-17 NORTHERN BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.307 / 13192 **Yr Built/Renovated** : 1924 /
Area Sq Ft : 6,240 **Project Type** : FIRE DEPARTMENT
Date of Survey : 31-Jan-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1177 **Lot** : 36 **BIN** : 4026949

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$380,900	\$70,700
Interior Architecture	\$939,500	
Total	\$1,320,500	\$70,700
Importance Code A	\$380,900	\$70,700
Importance Code B	\$939,500	
Total	\$1,320,500	\$70,700

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$87,600		\$400	
Interior Architecture	\$81,900			\$400
Electrical	\$16,600			
Mechanical	\$37,500	\$3,600	\$84,400	\$6,800
Site Enclosure	\$5,300			
Site Pavements	\$12,600			
Total	\$241,400	\$3,600	\$84,800	\$7,200
Importance Code A	\$88,200	\$600	\$1,000	\$600
Importance Code B	\$99,200	\$3,000	\$83,800	\$6,600
Importance Code C	\$54,000			
Total	\$241,400	\$3,600	\$84,800	\$7,200



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FIRE DEPARTMENT - 057
ENGINE CO. 307/LADDER CO. 154
Asset # : 13192

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$312,200	LIFE	**	5	\$19,400	
<i>Expansion Joint Failure, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Facade Between Buildings</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rear And Side Facades</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Bunker Room</i>								
Masonry: Limestone	10%			LIFE	**	5	\$3,900	
Metal Sect. OHD	15%	Now	\$27,500	2038	**	5	\$6,100	
<i>Unit Inoperable, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Area - Door Inoperable At Times</i>								
Windows								
Wood	100%	Now	\$68,700	2058	**	5	\$8,800	1
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	90%	Now	\$40,500	LIFE	**	5	\$1,600	
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%			LIFE	**	5-10	\$1,100	
Pre-Cast Concrete	5%			LIFE	**	5	\$1,100	
Roof								
Asphalt Shingle	20%			2036	**	10	\$400	
Modified Bitumen	10%	Now	\$11,800	2033	\$11,800			
<i>Blisters, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Main Roof</i>								
Modified Bitumen	50%			2033	\$58,900	10	\$5,500	
Roll Roofing	20%	Now	\$4,200	2029	\$14,000	5	\$1,800	
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over Weight Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over Weight Room</i>								

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 307/LADDER CO. 154
Asset # : 13192

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior Floors								
Cast in Place Concrete	50%	Now	\$417,200	LIFE	**	5	\$11,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Apparatus Room</i>								
<i>Deflection Evident, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Garage Floor</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Basement Below Apparatus Room</i>								
<i>Explanation : Steel Columns Shoring Up Apparatus Room Floor</i>								
Ceramic Tile	5%	Now	\$27,700	2048	**	5	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Kitchen And Bathrooms</i>								
Quarry Tile	5%	4+	\$700	2038	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Kitchen</i>								
Traffic Topping	5%			2033			\$23,400	5
Vinyl Tile	30%	Now	\$81,300	2043	**	3	\$1,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Second Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Second Floor</i>								
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Second Floor</i>								
<i>Explanation : 9x9 Tiles</i>								
Wood	5%			2048	**	5	\$900	
Interior Walls								
Ceramic Tile	5%	Now	\$7,400	2036	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Bathrooms</i>								
Masonry: Brick	20%			LIFE	**	10	\$800	
Plaster	50%	Now	\$32,800	LIFE	**	5	\$2,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Second Floor - Bunk Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Second Floor - Bunk Room</i>								
SGFT/Glazed Masonry	25%			LIFE	**	10	\$1,700	

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FIRE DEPARTMENT - 057
ENGINE CO. 307/LADDER CO. 154
Asset # : 13192

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	15%	Now	\$4,900	2038	**	5	\$800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen And Bathroom</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen And Bathroom</i>								
Exposed Struc: Concrete	30%	Now	\$441,000	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Steel Columns Shoring Up Apparatus Floor.</i>								
Gypsum Board	10%	Now	\$900	LIFE	**	5	\$1,300	
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Weight Room</i>								
Plaster	45%			LIFE	**	5-10	\$7,800	
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$5,300	2043	**			
<i>Other Observation, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : Fence Inoperable</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	0-2	\$6,700	2038	**			
<i>Loose/Delam Surface, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
On-Site Walkways								
Cast in Place Concrete	100%	0-2	\$4,200	2038	**			
<i>Loose/Delam Surface, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Parking/Driveway								
Cast in Place Concrete	85%	0-2	\$1,700	2038	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Pavers/Stone	15%			2036	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

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FIRE DEPARTMENT - 057
ENGINE CO. 307/LADDER CO. 154
Asset # : 13192

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2033	\$14,700	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>								
Raceway								
Conduit	100%			2033	\$36,000	1		
Panelboards								
Fused Disc Sw	25%			2032	\$12,100	5		
Molded Case Bkrs	75%	Now	\$700	2032	\$36,400	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Receptacles Do not Work</i>								
Wiring								
Thermoplastic	100%			2033	\$32,500	1		
Motor Controllers								
Locally Mounted	100%			2031	\$17,800	5		
Ground								
Grounding Devices								
Generic	100%	2-4	\$10,200	LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded</i>								
Lighting								
Interior Lighting								
LED	100%			2038	**			
Exterior Lighting								
HID	20%	Now	\$5,700	2043	**			
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside Perimeter</i>								
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Steam Boiler	100%			2038	**	1	\$6,200	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Steam Piping/Pump	100%			2033	\$48,800			

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FIRE DEPARTMENT - 057
ENGINE CO. 307/LADDER CO. 154
Asset # : 13192

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convactor/Radiator	100%	Now	\$5,000	2031	\$49,800	1	\$1,800	
<i>Damaged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Radiators In The Locker Room And Bunkroom On The 2nd Floor</i>								
Controls								
Electrical	100%			2026	\$33,900			
Air Conditioning								
Energy Source								
Electricity	100%			2041	**	1		
Conversion Equipment								
Split Unit	10%	Now	\$14,500	2043	**			
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
Split Unit	20%			2028	\$28,900			
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Bunkroom And Gymnasium Unit</i>								
<i>Explanation : Ducted Units With Condensers On The Roof</i>								
Window/Wall Unit	30%			2026	\$6,900	1		
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,700	
No Component	70%							
Exhaust Fans								
Interior	20%			2028	\$5,400	2		
Roof	10%			2028	\$1,200	2		
Wall Unit	20%			2028	\$500	2		
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%	Now	\$3,900	2043	**	1		
<i>Not Insulated, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement Causing Condensate To Drip</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Low Water Pressure</i>								
Water Heater With Tanks								
Gas Fired	100%			2028	\$33,400	2		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 74 Gallon Units. Quantity 2</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 307/LADDER CO. 154
Asset # : 13192

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Sanitary Piping								
Cast Iron	20%	0-2	\$4,600	LIFE	**	1		
	<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : Apparatus Floor And Backyard / Basement</i>							
	<i>Leak Evident, Extent : Moderate, Area Affected : 30%</i>							
	<i>Location : 2nd Floor Bathrooms</i>							
Cast Iron	80%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	0-2	\$1,100	LIFE	**	1		
	<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : Basement</i>							
	<i>Corroded, Extent : Moderate, Area Affected : 15%</i>							
	<i>Location : Basement</i>							
Sump Pump(s)								
Non-Submersible	100%	Now	\$1,200	2043	**	4	\$100	
	<i>Broken, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
Fixtures								
Generic	100%							
	<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
Fire Suppression								
Chemical System								
Generic	100%			2026	\$39,800	1-3	\$40,500	
	<i>Other Observation, Extent : N/A, Area Affected : 100%</i>							
	<i>Location : Kitchen</i>							
	<i>Explanation : Hood Is 10 Square Feet</i>							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

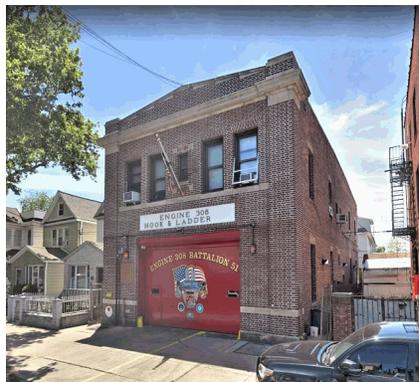
Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 308
Address : 107-12 LEFFERTS BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.308 / 13193 **Yr Built/Renovated** : 1926 / 2006
Area Sq Ft : 5,952 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Feb-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 9598 **Lot** : 10 **BIN** : 4205407

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture		\$72,100
Electrical		\$63,500
Mechanical		\$159,400
Site Enclosure	\$197,800	
Total	\$197,800	\$295,000
Importance Code B	\$197,800	\$295,000
Total	\$197,800	\$295,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$62,900		\$3,300	
Interior Architecture	\$88,000			\$800
Electrical	\$900	\$600	\$3,000	\$700
Mechanical	\$18,300	\$24,700	\$11,900	\$11,800
Site Enclosure	\$84,900			
Site Pavements	\$36,900			
Total	\$292,000	\$25,400	\$18,200	\$13,200
Importance Code A	\$63,500	\$600	\$3,900	\$600
Importance Code B	\$111,500	\$24,800	\$14,300	\$12,700
Importance Code C	\$116,900			
Total	\$292,000	\$25,400	\$18,200	\$13,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 308
Asset # : 13193

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	5%			LIFE	**	5	\$10,700	
Masonry: Brick	73%			LIFE	**	5	\$31,100	
Masonry: Granite	2%			LIFE	**	5	\$600	
Masonry: Limestone	10%			LIFE	**	5	\$3,200	
Metal Sect. OHD	10%			2046	**	5	\$6,700	
Windows								
Aluminum	100%	Now	\$8,800	2049	**	5	\$900	
<i>Air Infiltration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Around Window Air Conditioning Units</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor Bunk Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement Areaways</i>								
Parapets								
Masonry: Brick	90%	Now	\$29,000	LIFE	**	5	\$2,300	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Parapet</i>								
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Interior Facades</i>								
Masonry: Limestone	5%			LIFE	**	5-10	\$1,600	
Pre-Cast Concrete	5%			LIFE	**	5	\$1,600	
Roof								
Modified Bitumen	100%			2038	**	10	\$8,200	
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$23,400	
Ceramic Tile	10%			2042	**	5	\$900	
Vinyl Tile	30%			2033	\$72,100	3	\$1,300	
Interior Walls								
Cast in Place Concrete	10%	Now	\$5,300	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Gypsum Board	10%			LIFE	**	5-10	\$2,400	
Masonry: Brick	10%	Now	\$26,600	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Side Of Basement</i>								
Plaster	35%	0-2	\$2,400	LIFE	**	5	\$1,500	
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
SGFT/Glazed Masonry	35%			LIFE	**	10	\$2,500	

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FIRE DEPARTMENT - 057
ENGINE CO. 308
Asset # : 13193

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	10%			2038	**	5	\$900	
Exposed Struc: Concrete	30%			LIFE	**	5-10	\$3,300	
Exposed Struc: Steel	30%	Now	\$31,400	LIFE	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Below Sidewalk</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Below Sidewalk</i>								
Gypsum Board	5%			LIFE	**	5-10	\$1,500	
Plaster	25%			LIFE	**	5-10	\$3,800	
Site Enclosure								
Fence/Gates								
Chain Link	100%	0-2	\$42,900	2043	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Retaining Walls								
Cast in Place Concrete	25%	Now	\$42,000	2083	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Areaways</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Areaways</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Areaways</i>								
Masonry: Brick	75%	Now	\$197,800	2063	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 75%</i>								
<i>Location : West Side Of Property</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 75%</i>								
<i>Location : West Side Of Property</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : West Side Of Property</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	2-4	\$1,200	2038	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$26,100	2053	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Sinking/Subsiding, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Around Window Wells</i>								
<i>Explanation : Graded Slopes Toward Window Wells</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 308
Asset # : 13193

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

Parking/Driveway

Cast in Place Concrete	100%	Now	\$9,600	2038	**			
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*Cracking/Crumbling, Extent : Severe, Area Affected : 25%**Location : Throughout*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2043	**	5		
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : Main Service Disconnect Switch Rated At 200 Amperes.*

Switchgear / Switchboard

Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
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Raceway

Conduit	70%			2033	\$25,200	1		
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Conduit	30%			2053	**	1		
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Panelboards

Fused Disc Sw	5%			2032	\$2,400	5		
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Molded Case Bkrs	65%			2032	\$31,500	5	\$100	
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Molded Case Bkrs	30%			2049	**	5		
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Wiring

Thermoplastic	70%			2033	\$22,800	1		
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Thermoplastic	30%			2053	**	1		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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Stand-by Power

Transfer Switches

Automatic	100%			2038	**	1	\$1,800	
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Generators

Diesel	100%			2036	**	1	\$2,300	
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Backyard**Explanation : Emergency Generator Rated 80 Kilowatts*

Batteries

Lead/Acid	100%			2026	\$2,400	5	\$200	
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Fuel Storage

Main Tank	100%			2048	**	5		
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Backyard**Explanation : 60 Gallons Rated Capacity*

Lighting

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FIRE DEPARTMENT - 057
ENGINE CO. 308
Asset # : 13193

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Interior Lighting								
LED	100%			2041	**			
Egress Lighting								
Emergency, Service	70%			2041	**	1		
Exit, LED	30%			2068	**	1		
Exterior Lighting								
LED	20%			2041	**			
No Component	80%							
Alarm								
Security System								
Generic	100%			2041	**	1	\$2,200	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Front Of The Building</i>						
		<i>Explanation : CCTV Surveillance Cameras</i>						
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Steam Boiler	100%			2046	**	1	\$5,900	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Steam Piping/Pump	100%			2043	**			
Terminal Devices								
Convactor/Radiator	100%			2038	**	1	\$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2041	**	1		
Conversion Equipment								
Window/Wall Unit	50%			2028	\$11,000	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	15%			LIFE	**	2-5	\$800	
No Component	85%							

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FIRE DEPARTMENT - 057
ENGINE CO. 308
Asset # : 13193

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
Exhaust Fans								
Roof	15%			2038	**	2		
Wall Unit	40%	0-2	\$1,000	2043	**	2	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : One Noisy Life Extended Unit.</i>								
No Component	45%							
Plumbing								
H/C Water Piping								
Brass/Copper	5%	0-2	\$700	2043	**	1		
<i>Not Insulated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Brass/Copper	95%			2043	**	1		
Water Heater With Tanks								
Gas Fired	100%			2031		2	\$16,700	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Only One 75 Gallon Unit</i>								
Sanitary Piping								
Cast Iron	10%	Now	\$3,700	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Front Of Basement And Apparatus Floor</i>								
<i>Corroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Front Of Basement</i>								
Cast Iron	90%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	10%	0-2	\$400	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 1st And 2nd Floor Bathrooms</i>								
Cast Iron	90%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%	Now	\$400	2028		4	\$100	
<i>Malfunctioning, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2031		1-3	\$159,400	\$148,800
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set Covers 40 Square Feet</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 309/LADDER CO. 159
Address : 1851 EAST 48th STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.309 / 13194 **Yr Built/Renovated** : 1927 /
Area Sq Ft : 4,930 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Nov-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 8488 **Lot** : 16 **BIN** : 3239495

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Mechanical	\$71,700	
Total	\$71,700	
Importance Code B	\$71,700	
Total	\$71,700	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$56,300		\$9,700	
Interior Architecture	\$60,600		\$1,600	\$600
Electrical	\$300	\$200	\$200	\$200
Mechanical	\$26,300	\$5,600	\$5,800	\$11,400
Site Pavements	\$900			
Total	\$144,300	\$5,800	\$17,300	\$12,200
Importance Code A	\$56,800	\$500	\$10,200	\$500
Importance Code B	\$47,200	\$5,300	\$7,100	\$11,800
Importance Code C	\$40,400			
Total	\$144,300	\$5,800	\$17,300	\$12,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 309/LADDER CO. 159
Asset # : 13194

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	73%	4+	\$30,400	LIFE	**	5	\$18,900	
<i>Spalling, Extent : Moderate, Area Affected : 4%</i>								
<i>Location : Rear Facade</i>								
Masonry: Granite	2%			LIFE	**	5	\$800	
Masonry: Limestone	5%	Now	\$9,900	LIFE	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Facade West</i>								
Metal Panel	5%			2053	**	5-10	\$8,900	
Wood Overhead Doors	15%			2046	**	5	\$19,400	
Windows								
Aluminum	100%			2049	**	5	\$1,900	
Parapets								
Cast Stone/Terra Cotta	14%			LIFE	**	5-10	\$7,400	
Masonry: Brick	70%			LIFE	**	5-10	\$8,900	
Masonry: Limestone	8%			LIFE	**	5-10	\$1,800	
Metal Panel	8%			2053	**	5	\$600	
Roof								
Modified Bitumen	100%			2038	**	10	\$8,000	
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$18,400	
<i>Worn/Eroded, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor</i>								
Ceramic Tile	5%			2042	**	5	\$400	
Quarry Tile	5%			2046	**	5	\$600	
Vinyl Tile	40%	4+	\$4,500	2038	**	3	\$1,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bunk Room</i>								
Interior Walls								
Cast in Place Concrete	20%			LIFE	**	10	\$5,800	
Gypsum Board	20%			LIFE	**	5-10	\$3,900	
Masonry: Brick	10%			LIFE	**	10	\$300	
Plaster	20%			LIFE	**	5-10	\$2,000	
SGFT/Glazed Masonry	30%	Now	\$30,400	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	30%			2046	**	5	\$2,500	
Exposed Struc: Concrete	35%			LIFE	**	5-10	\$3,700	
Metal Panel	5%			LIFE	**	5	\$1,100	
<i>Other Observation, Extent : N/A, Area Affected : 5%</i>								
<i>Location : Equipment Room</i>								
<i>Explanation : Perforated Metal Panel Ceiling</i>								
Plaster	30%			LIFE	**	5-10	\$4,300	
Site Enclosure								

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FIRE DEPARTMENT - 057
ENGINE CO. 309/LADDER CO. 159
Asset # : 13194

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2053	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	\$900	2046	**			
<i>Other Observation, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Sidewalk Belco Doors</i>								
<i>Explanation : Water Penetration</i>								
On-Site Walkways								
Cast in Place Concrete	95%			2046	**			
Pavers/Stone	5%			2042	**			
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2053	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2053	**	5	\$100	
Raceway								
Conduit	100%			2053	**	1		
Panelboards								
Fused Disc Sw	20%			2049	**	5		
Molded Case Bkrs	80%			2049	**	5	\$100	
Wiring								
Thermoplastic	100%			2053	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	20%			2038	**	10	\$900	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
LED	80%			2038	**			
Egress Lighting								
Emergency, Service	50%			2038	**	1		
Exit, LED	50%			2061	**	1		
Exterior Lighting								
LED	20%			2038	**			
No Component	80%							
Alarm								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 309/LADDER CO. 159
Asset # : 13194

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Security System
Generic

100% 2038 * * 1 \$1,800

Other Observation, Extent : Light, Area Affected : 100%

Location : Front Of The Building

Explanation : CCTV Surveillance Cameras

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100% 2053 * * 1

Conversion Equipment

Steam Boiler

100% 2046 * * 1 \$4,900

Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : 1 Unit

Distribution

Steam Piping/Pump

100% 2043 * *

Terminal Devices

Convactor/Radiator

100% 2038 * * 1 \$1,600

Air Conditioning

Energy Source

Electricity

100% 2041 * * 1

Conversion Equipment

Window/Wall Unit

50% 2031 \$9,100 1

No Component

50%

Ventilation

Distribution

Ductwork/Diffusers

10% LIFE * * 2-5 \$400

No Component

90%

Exhaust Fans

Interior

40% 0-2 \$8,500 2043 * * 2

Other Observation, Extent : Moderate, Area Affected : 40%

Location : Bunk And Storage Room

Explanation : Insufficient Ventilation In Bunk And Storage Room

Roof

20% 2033 \$1,900 2

Wall Unit

15% 2038 * * 2

No Component

25%

Plumbing

H/C Water Piping

Brass/Copper

100% 2053 * * 1

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 309/LADDER CO. 159

Asset # : 13194

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater With Tanks Gas Fired	100%			2031	\$33,400	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units. 74 Gallons</i>								
<hr/>								
	Sanitary Piping Cast Iron	80%			LIFE	**	1	
	Cast Iron	20%	0-2	\$6,100	LIFE	**	1	
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Bathroom</i>								
<hr/>								
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
<hr/>								
	Sump Pump(s) Submersible	100%	Now	\$100	2026	\$100	4	\$100
<i>Cracked, Extent : Severe, Area Affected : 5%</i>								
<i>Location : The Pipe, Basement</i>								
<hr/>								
Fixtures								
	Generic	100%						
<hr/>								
Fire Suppression								
	Chemical System Generic	100%			2026	\$71,700	1-3	\$72,800
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen Fire Suppression 18 Square Feet</i>								
<i>Explanation : 1 Set. Kitchen Fire Suppression System</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 310/LADDER CO. 174
Address : 5105 SNYDER AVENUE @ E. 51 ST
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.310 / 13195 **Yr Built/Renovated** : 1927 / 2013
Area Sq Ft : 5,874 **Project Type** : FIRE DEPARTMENT
Date of Survey : 11-Mar-2019 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 4699 **Lot** : 40 **BIN** : 3102909

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Electrical	\$63,500	
Total	\$63,500	
Importance Code B	\$63,500	
Total	\$63,500	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$5,000			
Interior Architecture	\$6,800		\$1,000	
Electrical	\$8,100	\$5,500		
Mechanical	\$5,300	\$5,300	\$1,000	\$1,100
Site Enclosure	\$30,400			
Site Pavements	\$1,500			
Total	\$57,100	\$10,800	\$2,000	\$1,100
Importance Code A	\$11,500	\$600	\$600	\$600
Importance Code B	\$7,700	\$10,200	\$1,500	\$500
Importance Code C	\$37,900			
Total	\$57,100	\$10,800	\$2,000	\$1,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 310/LADDER CO. 174
Asset # : 13195

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$16,800	
Masonry: Limestone	5%			LIFE	**	5	\$800	
Metal Sect. OHD	15%			2043	**	5	\$9,800	
Windows								
Aluminum	100%			2038	**	5	\$1,700	
Parapets								
Masonry: Brick	85%			LIFE	**	5	\$1,800	
Masonry: Limestone	5%	4+	\$5,000	LIFE	**	5	\$100	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Cornice</i>								
Pre-Cast Concrete	10%			LIFE	**	5	\$1,300	
Roof								
Asphalt Shingle	8%			2039	**	10	\$100	
Modified Bitumen	92%			2038	**	10	\$7,600	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	**	5	\$9,700	
Ceramic Tile	10%			2039	**	5	\$1,500	
Quarry Tile	5%			2043	**	5	\$1,100	
Vinyl Tile	55%			2035	**	3	\$3,000	
Interior Walls								
Cast in Place Concrete	20%			LIFE	**			
Ceramic Tile	5%			2039	**	5	\$600	
Gypsum Board	5%			LIFE	**	5	\$400	
Plaster	40%	Now	\$5,700	LIFE	**	5	\$1,500	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Engine Room Office By Front Facade</i>								
SGFT/Glazed Masonry	30%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	25%			2043	**	5	\$2,200	
Exposed Struc: Steel	25%			LIFE	**			
Plaster	50%			LIFE	**	5	\$2,700	
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$30,400	2060	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2043	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 310/LADDER CO. 174
Asset # : 13195

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%	0-2	\$1,500	2043		**		
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 30%**Location : Throughout*

Parking/Driveway

Cast in Place Concrete	100%			2043		**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%	4+	\$5,900	2060		**	5	
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement Electrical Room**Explanation : 200 Ampere Switch Has Outside Enclosure Rust, Not Penetrating Metal Cabinet*

Switchgear / Switchboard

Molded Case Bkrs	100%	4+	\$63,500	2060		**	5	\$100
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement Electrical Room**Explanation : External Rust On Cabinet*

Raceway

Conduit	80%			2030	\$28,800		1	
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Conduit	20%			2050		**	1	
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Panelboards

Molded Case Bkrs	100%			2029	\$48,500		5	\$200
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Wiring

Thermoplastic	100%			2030	\$32,500		1	
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Motor Controllers

Locally Mounted	100%			2028	\$17,800		5	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement Boiler Room**Explanation : Controls For Heating System*

Ground

Grounding Devices

Generic	100%			LIFE		**	5	\$100
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Water Main*

Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 310/LADDER CO. 174
Asset # : 13195

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting								
Fluorescent	85%			2040	**	10	\$4,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	10%			2025	\$5,000	10	\$500	
LED	5%	Now	\$2,100	2040	**			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Gymnasium</i>								
<i>Explanation : LED Lighting Has Failed</i>								
Exterior Lighting								
HID	50%			2030	\$13,400	10		
No Component	50%							
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2040	**	1		
Conversion Equipment								
Steam Boiler	100%			2035	**	1	\$5,800	
Distribution								
Steam Piping/Pump	100%	2-4	\$2,300	2040	**			
<i>Controller Not Working, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Basement Vacuum Pump Shuts Off On High Water</i>								
<i>Leak Evident, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Leaky Pipes In Basement</i>								
Terminal Devices								
Convactor/Radiator	100%			2035	**	1	\$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		
Conversion Equipment								
Split Unit	10%			2038	**			
Window/Wall Unit	20%			2025	\$4,300	1		
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	25%			LIFE	**	2-5	\$800	
No Component	75%							
Exhaust Fans								
Roof	25%			2035	**	2		
<i>Recent Replace Evident, Extent : N/A, Area Affected : 25%</i>								
<i>Location : Roof</i>								
Roof	50%			2035	**	2	\$100	
Wall Unit	25%			2035	**	2		

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FIRE DEPARTMENT - 057
ENGINE CO. 310/LADDER CO. 174
Asset # : 13195

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
H/C Water Piping	Brass/Copper	100%			2040	**	1	
Water Heater With Tanks	Gas Fired	100%			2028	\$16,700	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Explanation : One 74 Gallon Unit And Old Unit Remaining In Corner</i>								
Sanitary Piping	Cast Iron	6%	Now	\$1,700	LIFE	**	1	
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Occasional Back Up In Basement.</i>								
	Cast Iron	94%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)	Submersible	100%			2024	\$200	4	\$200
Backflow Preventer	Generic	100%			2035	**	1	\$400
Fixtures	Generic	100%						
Fire Suppression								
Chemical System	No Component	98%						
	Generic	2%			2030	\$1,600	1-3	\$1,600

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 311/LADDER CO. 158
Address : 145-50 SPRINGFIELD BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.311 / 13196 **Yr Built/Renovated** : 1927 / 2006
Area Sq Ft : 5,780 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Dec-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 13361 **Lot** : 200 **BIN** : 4286093

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$118,700	
Interior Architecture	\$1,019,300	\$158,100
Mechanical		\$95,600
Site Enclosure		\$122,800
Total	\$1,138,000	\$376,600
Importance Code A	\$118,700	
Importance Code B	\$1,019,300	\$253,700
Importance Code C		\$122,800
Total	\$1,138,000	\$376,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$20,000			
Interior Architecture	\$116,600			\$1,400
Electrical	\$17,400	\$400	\$400	\$400
Mechanical	\$21,800	\$15,200	\$8,000	\$7,400
Site Enclosure	\$500			
Site Pavements	\$8,000			
Total	\$184,100	\$15,600	\$8,400	\$9,200
Importance Code A	\$20,500	\$600	\$600	\$600
Importance Code B	\$112,200	\$15,000	\$7,800	\$8,400
Importance Code C	\$51,400			\$300
Total	\$184,100	\$15,600	\$8,400	\$9,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 311/LADDER CO. 158
Asset # : 13196

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	10%			2053	**	10	\$700	
Masonry: Brick	70%	Now	\$118,700	LIFE	**	5	\$14,800	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : North Side</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : North Side</i>								
Masonry: Granite	2%			LIFE	**	5	\$600	
Masonry: Limestone	8%			LIFE	**	5	\$2,500	
Wood Overhead Doors	10%			2038	**	5	\$10,500	
Windows								
Aluminum	100%			2049	**	5	\$1,800	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$5,100	
Masonry: Brick	90%			LIFE	**	5-10	\$11,000	
Roof								
Modified Bitumen	97%	4+	\$4,400	2038	**			
<i>Blisters, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Lockroom</i>								
Skylight, Metal/Glass	3%			2053	**	10	\$900	
Soffits								
Alum/Vinyl Siding	100%			2053	**	10		
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$584,200	LIFE	**	5	\$12,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Through Apparatus Floor Into Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Structurally Insufficient</i>								
Ceramic Tile	5%			2042	**	5	\$700	
Quarry Tile	15%	Now	\$15,800	2046	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Kitchen</i>								
Vinyl Tile	40%	Now	\$47,400	2028	\$158,100	3	\$2,200	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 311/LADDER CO. 158
Asset # : 13196

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	20%	0-2	\$18,400	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Basement</i>								
Ceramic Tile	5%			2042	**	5	\$600	
Plaster	45%	Now	\$13,200	LIFE	**	5	\$1,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout, Bunk Rooms</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : North Wall, Bunk Room</i>								
SGFT/Glazed Masonry	30%	0-2	\$16,300	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	5%	0-2	\$1,500	2038	**	5	\$200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Kitchen</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout Kitchen</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout Kitchen</i>								
Exposed Struc: Concrete	55%	Now	\$435,200	LIFE	**	5	\$800	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Side Of Building</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Underside Of Apparatus Floor Slab In Cellar</i>								
<i>Explanation : Structurally Insufficient</i>								
Plaster	40%			LIFE	**	5-10	\$6,200	
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain Link	15%	4+	\$500	2053	**			
<i>Impact Damage, Extent : Light, Area Affected : 10%</i>								
<i>Location : North Side</i>								
Wood	85%			2031			\$122,800	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	\$2,600	2046	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
On-Site Walkways								
Cast in Place Concrete	10%			2046	**			
Wood	90%			2028		1-3		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 311/LADDER CO. 158
Asset # : 13196

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Site Pavements								
Parking/Driveway								
Asphalt	75%			2042		**		
Cast in Place Concrete	25%	Now	\$3,000	2046		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Front Apron</i>								
<i>Sinking/Subsiding, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Apron</i>								
<hr/>								
Activity Yard								
Cast in Place Concrete	100%	4+	\$2,400	2046		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<hr/>								
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2059		**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								
<hr/>								
Raceway								
Conduit	40%			2059		**	1	
Conduit	60%			2033	\$21,600		1	
<hr/>								
Panelboards								
Fused Disc Sw	3%			2032	\$1,500		5	
Fused Disc Sw	2%			2055		**	5	
Molded Case Bkrs	45%			2055		**	5	\$100
Molded Case Bkrs	50%			2032	\$24,200		5	\$100
<hr/>								
Wiring								
Braided Cloth	50%	0-2	\$16,300	2058		**	1	
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<hr/>								
Thermoplastic	20%			2033	\$6,500		1	
Thermoplastic	30%			2059		**	1	
<hr/>								
Motor Controllers								
Locally Mounted	100%			2031	\$17,800		5	
<hr/>								
Ground								
Grounding Devices								
Generic	100%			LIFE		**	5	\$200
<hr/>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2050		**	1	\$1,800

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 311/LADDER CO. 158
Asset # : 13196

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Generators								
Diesel	100%			2046	**	1	\$2,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Outside</i>								
<i>Explanation : One 80 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2028	\$2,400	5	\$200	
Fuel Storage								
Main Tank	100%			2068	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Outside</i>								
<i>Explanation : One 275 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent	60%			2038	**	10	\$3,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	10%			2028	\$4,900	10	\$500	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
LED	30%			2041	**			
Egress Lighting								
Emergency, Service	50%			2038	**	1		
No Component	50%							
Exterior Lighting								
HID	10%			2028	\$2,600	10		
LED	10%			2038	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Steam Boiler	100%			2046	**	1	\$5,700	
Distribution								
Central Plant Steam Piping/Pmp	100%	0-2	\$7,900	2043	**	4	\$300	
<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Leaking Steam Piping Leaking At Basement</i>								
Terminal Devices								
Convactor/Radiator	100%			2038	**	1	\$1,900	

Air Conditioning

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 311/LADDER CO. 158
Asset # : 13196

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		
Conversion Equipment								
Split Unit	10%			2038	**			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Unit In Kitchen</i>								
Window/Wall Unit	40%			2031	\$8,600	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,100	
Exhaust Fans								
Interior	100%			2033	\$25,000	2	\$200	
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2038	**	1		
Water Heater With Tanks								
Gas Fired	100%			2031	\$33,400	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units</i>								
Sanitary Piping								
Cast Iron	100%	Now	\$3,600	LIFE	**	1		
<i>Leak Evident, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement When It Rains</i>								
Storm Drain Piping								
Cast Iron	100%	Now	\$1,000	LIFE	**	1		
<i>Leak Evident, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement, High Water Table</i>								
Sump Pump(s)								
Submersible	100%			2026	\$200	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2031	\$95,600	1-3	\$89,300	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set Fire Supression System 24 Square Feet</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 312
Address : 22-63 35th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.312 / 13197 **Yr Built/Renovated** : 1928 /
Area Sq Ft : 4,590 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Oct-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 822 **Lot** : 7 **BIN** : 4016405

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture		\$65,400
Interior Architecture		\$64,100
Mechanical		\$79,700
Total		\$209,200
Importance Code A		\$65,400
Importance Code B		\$143,800
Total		\$209,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$44,900			
Interior Architecture	\$46,900		\$600	\$500
Electrical	\$1,500	\$300	\$400	\$300
Mechanical	\$8,900	\$12,600	\$6,300	\$6,100
Site Pavements	\$14,300			
Total	\$116,500	\$12,900	\$7,300	\$6,900
Importance Code A	\$45,300	\$500	\$500	\$500
Importance Code B	\$40,200	\$12,400	\$6,800	\$6,100
Importance Code C	\$31,000			\$400
Total	\$116,500	\$12,900	\$7,300	\$6,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 312
Asset # : 13197

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%	4+	\$20,700	LIFE	**	5	\$12,900	
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Side Walls</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Side And Rear Building Walls</i>								
Masonry: Granite	8%			LIFE	**	5	\$2,100	
Masonry: Limestone	10%	0-2	\$13,200	LIFE	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	7%			2038	**	5	\$6,000	
Windows								
Aluminum	100%			2049	**	5	\$400	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$1,800	
Masonry: Brick	90%			LIFE	**	5-10	\$3,900	
Roof								
Modified Bitumen	95%	Now	\$3,300	2033			\$65,400	
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Bunker Room</i>								
Skylight, Metal/Glass	5%	Now	\$1,800	2043	**			
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Skylight</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$15,000	
Ceramic Tile	6%	0-2	\$1,500	2042	**	5	\$200	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Bathrooms</i>								
Quarry Tile	5%			2046	**	5	\$500	
Terrazzo	6%	0-2	\$1,900	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bunkroom Bathroom</i>								
Traffic Topping	20%	Now	\$3,200	2033		5	\$900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor</i>								
Vinyl Tile	13%	Now	\$4,800	2033		3	\$300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Offices</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Offices</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 312
Asset # : 13197

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Cast in Place Concrete	25%			LIFE	**	10	\$6,000	
Ceramic Tile	8%			2042	**	5	\$800	
Gypsum Board	10%	Now	\$700	LIFE	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement Training Room</i>								
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Marble Panels	7%	0-2	\$5,700	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Bathrooms</i>								
Plaster	30%	Now	\$3,400	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Around Window In Bunker Room 2nd Floor And Scuttle</i>								
SGFT/Glazed Masonry	20%			LIFE	**	10	\$1,000	
Ceilings								
AcousTileSusp.Lay-In	10%			2046	**	5	\$700	
Exposed Struc: Steel	30%			LIFE	**	10	\$4,100	
Gypsum Board	20%			LIFE	**	5-10	\$4,700	
Plaster	40%	Now	\$4,100	LIFE	**	5	\$1,700	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Bunker Room And Scuttle</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2043	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	**			
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$1,100	2046	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Apron</i>								
Parking/Driveway								
Cast in Place Concrete	100%	Now	\$13,200	2038	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Driveway</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Driveway</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 312
Asset # : 13197

Electrical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2043	**	5	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 200 Ampere Main Disconnect Switch</i>						
Raceway								
Conduit	95%			2033	\$34,200	1		
Conduit	5%			2043	**	1		
Panelboards								
Fused Disc Sw	5%			2032	\$2,400	5		
Molded Case Bkrs	95%			2041	**	5	\$100	
Wiring								
Thermoplastic	10%			2033	\$3,300	1		
Thermoplastic	90%			2043	**	1		
Motor Controllers								
Locally Mounted	100%			2038	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2050	**	1	\$1,400	
Generators								
Diesel	100%			2046	**	1	\$1,800	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside Backyard</i>						
		<i>Explanation : One 60 Kilowatts</i>						
Batteries								
Lead/Acid	100%			2028	\$2,400	5	\$200	
Fuel Storage								
Main Tank	100%			2068	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside Backyard</i>						
		<i>Explanation : One 120 Gallons</i>						
Lighting								
Interior Lighting								
Fluorescent	99%			2033	\$38,500	10	\$4,200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : T-8 Lamps</i>						
Incandescent	1%			2028	\$600	2		
Egress Lighting								
Emergency, Service	70%			2038	**	1		
Exit, Service	30%			2038	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 312
Asset # : 13197

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Exterior Lighting								
HID	15%			2038		**	10	
HID	5%	Now	\$1,000	2043		**		
<i>Malfunctioning, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front And Back Of The Building</i>								
No Component	80%							
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2053		**	1	
Conversion Equipment								
Steam Boiler	100%			2046		**	1	\$4,600
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Steam Piping/Pump	100%			2043		**		
Terminal Devices								
Convactor/Radiator	100%			2046		**	1	\$1,500
Air Conditioning								
Energy Source								
Electricity	100%			2049		**	1	
Conversion Equipment								
Window/Wall Unit	50%	0-2	\$2,500	2028	\$8,500		1	
<i>Not in Service, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	15%			LIFE		**	2-5	\$600
No Component	85%							
Exhaust Fans								
Roof	15%			2033	\$1,300		2	
Wall Unit	25%			2028	\$500		2	
No Component	60%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2043		**	1	
Water Heater With Tanks								
Gas Fired	100%			2031	\$33,400		2	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 312
Asset # : 13197

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2026	\$100	4	\$100
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Generic	100%			2031	\$79,700	1-3	\$74,400
				<i>Other Observation, Extent : N/A, Area Affected : 100%</i>				
				<i>Location : Kitchen, Covers 20 Square Feet</i>				
				<i>Explanation : 1 Set</i>				

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 313/LADDER CO. 164
Address : 44-01 244th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.313 / 13198 **Yr Built/Renovated** : 1929 /
Area Sq Ft : 6,942 **Project Type** : FIRE DEPARTMENT
Date of Survey : 25-Mar-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 8112 **Lot** : 192 **BIN** : 4168901

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture		\$72,300
Interior Architecture	\$96,600	\$85,600
Mechanical	\$59,100	
Total	\$155,700	\$157,800
Importance Code A	\$59,100	\$72,300
Importance Code B	\$96,600	\$85,600
Total	\$155,700	\$157,800

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$98,400			
Interior Architecture	\$79,400		\$900	\$800
Electrical	\$1,700	\$800	\$800	\$800
Mechanical	\$85,800	\$1,200	\$1,200	\$900
Site Pavements	\$13,400			
Total	\$278,800	\$2,000	\$2,900	\$2,400
Importance Code A	\$98,500	\$700	\$700	\$700
Importance Code B	\$148,300	\$1,300	\$2,200	\$1,400
Importance Code C	\$32,000			\$400
Total	\$278,800	\$2,000	\$2,900	\$2,400



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 313/LADDER CO. 164
Asset # : 13198

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	10%			2043	**	10	\$800	
Masonry: Brick	80%	4+	\$31,200	LIFE	**	5	\$19,400	
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement Near House Trap</i>								
Masonry: Granite	2%			LIFE	**	5	\$700	
Masonry: Limestone	3%	4+	\$1,100	LIFE	**	5	\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Front Facade At Door Surrounds</i>								
Wood Overhead Doors	5%			2038	**	5	\$6,100	
Windows								
Aluminum	100%	Now	\$7,800	2049	**	5	\$800	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bunk Rooms</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Missing Insect Screens</i>								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5-10	\$12,900	
Masonry: Brick	80%	0-2	\$44,900	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout Parapet</i>								
<i>Spalling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout Parapet</i>								
Roof								
Asphalt Shingle	20%	Now	\$1,800	2036	**			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Where Asphalt Roof Meets Brick Exterior Wall</i>								
Modified Bitumen	10%	Now	\$1,800	2033			\$9,000	
<i>Vegetation Growth, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Lower Roof</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Bunk Rooms On 2nd Floor</i>								
Modified Bitumen	70%			2033		10	\$5,900	

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 313/LADDER CO. 164
Asset # : 13198

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	55%	Now	\$96,600	LIFE	**	5	\$12,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Uneven Surface, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement On Front Wall And Near Sump Pump</i>								
Ceramic Tile	10%	4+	\$1,200	2036	**	5	\$500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Kitchen</i>								
Quarry Tile	5%			2046	**	5	\$800	
Vinyl Tile	30%			2033	\$85,600	3	\$1,600	
Interior Walls								
Cast in Place Concrete	20%	Now	\$21,600	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Ceramic Tile	5%			2042	**	5	\$700	
Plaster	50%	Now	\$8,600	LIFE	**	5	\$2,200	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
SGFT/Glazed Masonry	25%			LIFE	**	10	\$1,800	
Ceilings								
AcousTileSusp.Lay-In	10%			2046	**	5	\$1,100	
Exposed Struc: Concrete	25%			LIFE	**	5-10	\$3,300	
Exposed Struc: Steel	25%			LIFE	**	10	\$5,300	
Plaster	40%	Now	\$37,700	LIFE	**	5	\$2,600	
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor Back And Engine Office</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2053	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$13,400	2046	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 224th Street In Front Of Building</i>								
<i>Sinking/Subsiding, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apron Entrance To Firehouse</i>								
<i>Tripping Hazard, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Apron Entrance</i>								
Parking/Driveway								
Asphalt	80%			2042	**			
Pavers/Stone	20%			2042	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 313/LADDER CO. 164
Asset # : 13198

Electrical System Component Type	Current Repair			Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2059	**	5	\$200	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : One 400 Ampere Main Disconnect Switch</i>							
Raceway								
Conduit	90%			2033	\$32,400	1		
Conduit	10%			2059	**	1		
Panelboards								
Fused Disc Sw	5%			2032	\$2,400	5		
Molded Case Bkrs	20%			2032	\$9,700	5		
Molded Case Bkrs	75%			2055	**	5	\$100	
Wiring								
Thermoplastic	70%			2033	\$22,800	1		
Thermoplastic	30%			2059	**	1		
Motor Controllers								
Locally Mounted	100%			2031	\$17,800	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2050	**	1	\$2,100	
Generators								
Diesel	100%			2046	**	1	\$2,700	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Outside</i>							
	<i>Explanation : One Generator 75 Kilovolt Amperes</i>							
Batteries								
Nickel Cadmium	100%			2028	\$2,400	5	\$1,500	
Fuel Storage								
Day Tank	10%			2055	**	5		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Outside</i>							
	<i>Explanation : 120 Gallons</i>							
Main Tank	90%			2068	**	5		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 550 Gallons Working Capacity</i>							
Lighting								
Interior Lighting								
LED	100%			2041	**			
Egress Lighting								
Emergency, Service	70%			2041	**	1		
Exit, LED	30%			2068	**	1		

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**FIRE DEPARTMENT - 057
ENGINE CO. 313/LADDER CO. 164**

Asset # : 13198

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting

HID	10%			2028	\$3,200	10		
LED	10%			2041	**			
No Component	80%							

Alarm

Security System

Generic	100%			2041	**	1	\$2,600	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Exterior

Explanation : Cameras Security System

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas	100%			2053	**	1		
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Conversion Equipment

Steam Boiler	100%	0-2	\$59,100	2053	**	1	\$6,200	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Basement

Explanation : The Boiler Is Unreliable And Constantly Breaks Down

Distribution

Hot Wtr Piping/Pump	100%			2041	**	4	\$500	
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Terminal Devices

Convactor/Radiator	100%	0-2	\$5,500	2038	**	1	\$2,000	
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Leak Evident, Extent : Moderate, Area Affected : 10%

Location : Leaking Radiator In Second Floor Bathroom

Air Conditioning

Energy Source

Electricity	100%			2049	**	1		
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Conversion Equipment

Exterior Pkg Unit - Cooling	50%	0-2	\$37,200	2043	**	2	\$200	
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Malfunctioning, Extent : Moderate, Area Affected : 100%

Location : Unit Malfunctioning

R-410a Refrigerant, Extent : Light, Area Affected : 100%

Location : Roof

Window/Wall Unit	20%			2028	\$5,100	1		
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No Component	30%							
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Ventilation

Exhaust Fans

Interior	20%	0-2	\$300	2033	\$6,000	2		
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Loose, Extent : Moderate, Area Affected : 5%

Location : Duct Separated

No Component	80%							
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FIRE DEPARTMENT - 057
ENGINE CO. 313/LADDER CO. 164
Asset # : 13198

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
H/C Water Piping Brass/Copper	100%			2043	**	1		
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Water Heater With Tanks Gas Fired	100%			2028	\$33,400	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping Cast Iron	100%	0-2	\$42,700	LIFE	**	1		
<i>Cracked, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Cracked On Sewer Main Around Apparatus Room. Backup In Basement</i>								
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Submersible	100%			2026	\$200	4	\$200	
Sewage Ejector(s) Electric	100%			2033	\$3,600	4	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Light Duty. Serves Basement Bathroom Only. Connected With Extension Cord</i>								
Backflow Preventer No Component Generic	95%			2038	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								
Fixtures Generic	100%							

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 314
Address : 142-04 BROOKVILLE BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.314 / 13199 **Yr Built/Renovated** : 1929 /
Area Sq Ft : 6,128 **Project Type** : FIRE DEPARTMENT
Date of Survey : 11-May-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 13538 **Lot** : 15 **BIN** : 4287743

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$537,500	
Interior Architecture	\$203,500	
Electrical		\$63,500
Site Pavements	\$93,200	
Total	\$834,200	\$63,500
Importance Code A	\$537,500	
Importance Code B	\$203,500	\$63,500
Importance Code C	\$93,200	
Total	\$834,200	\$63,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$3,800			
Interior Architecture	\$114,400	\$300	\$1,100	\$300
Electrical	\$10,200		\$100	\$21,000
Mechanical	\$10,100	\$1,600	\$1,500	\$35,700
Site Enclosure	\$30,800			
Site Pavements	\$5,400			
Total	\$174,700	\$1,900	\$2,600	\$57,100
Importance Code A	\$4,400	\$600	\$600	\$600
Importance Code B	\$82,000	\$1,300	\$1,400	\$56,400
Importance Code C	\$88,300		\$600	
Total	\$174,700	\$1,900	\$2,600	\$57,100



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**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 314
Asset # : 13199

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	85%	Now	\$319,700	LIFE	**	5	\$19,900	
<i>Paint Peeling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear And Side Facade</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Facade Next To Door</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : North And East Facade</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : North And East Facade</i>								
<i>Explanation : Moisture And Water Trapped Behind Paint And Going Through Open Joints</i>								
Masonry: Granite	2%			LIFE	**	5	\$400	
Masonry: Limestone	5%			LIFE	**	5	\$900	
Wood Overhead Doors	8%	Now	\$52,500	2052	**	5	\$4,700	
<i>Unit Inoperable, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Overhead Door</i>								
Windows								
Aluminum	100%	Now	\$87,700	2057	**	5	\$900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Crtrw/Balnc Not Funct, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor Office And Bunk Rooms</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$3,800	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Parapet</i>								
Masonry: Brick	90%			LIFE	**	5	\$1,900	
<i>Paint Peeling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Front Parapet</i>								
<i>Painted Surfaces, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof Parapet Wall</i>								
Roof								
Asphalt Shingle	10%			2041	**	10	\$100	
Modified Bitumen	90%	Now	\$77,700	2037	**			
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Roof</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Explanation : Roof Flashing Being Repaired</i>								

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 314
Asset # : 13199

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior Floors								
Cast in Place Concrete	30%	Now	\$26,600	LIFE	**	5	\$5,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i> <i>Location : 1st Floor Apparatus Floor Slab</i> <i>Deflection Evident, Extent : Moderate, Area Affected : 10%</i> <i>Location : 1st Floor Apparatus Floor</i> <i>Other Observation, Extent : Severe, Area Affected : 100%</i> <i>Location : Apparatus Floor Slab Supported By Temp Floor Jacks In Basement</i> <i>Explanation : Structurally Insufficient</i>								
Cast in Place Concrete	30%	Now	\$5,300	LIFE	**	5	\$5,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i> <i>Location : Basement</i>								
Ceramic Tile	10%			2041	**	5	\$900	
Quarry Tile	4%			2045	**	5	\$500	
Sheet Vinyl/Rubber	1%			2037	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : 1st Floor</i> <i>Explanation : Laminate Wood Flooring</i>								
Vinyl Tile	25%	Now	\$4,500	2027	\$89,800	3	\$800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i> <i>Location : 2nd Floor Offices And Bunk Rooms</i> <i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i> <i>Location : 2nd Floor Offices And Bunk Rooms</i>								
Interior Walls								
Ceramic Tile	10%			2041	**	5	\$1,200	
Gypsum Board	10%			LIFE	**	5	\$700	
Masonry: Brick	20%	Now	\$22,700	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i> <i>Location : Stairs</i> <i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i> <i>Location : Throughout</i> <i>Water Penetration, Extent : Moderate, Area Affected : 10%</i> <i>Location : Throughout</i>								
Plaster	30%	Now	\$34,800	LIFE	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i> <i>Location : 2nd Floor Bunk Rooms And Offices</i> <i>Loose/Delam Surface, Extent : Severe, Area Affected : 40%</i> <i>Location : 2nd Floor Bunk Rooms</i> <i>Paint Peeling, Extent : Severe, Area Affected : 30%</i> <i>Location : 2nd Floor</i> <i>Water Penetration, Extent : Severe, Area Affected : 50%</i> <i>Location : North and East Wall From The Exterior</i> <i>Other Observation, Extent : Severe, Area Affected : 10%</i> <i>Location : 2nd Floor</i> <i>Explanation : Brick Efflorescence Seeping Through Interior Plaster</i>								
SGFT/Glazed Masonry	30%			LIFE	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 314
Asset # : 13199

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
Exposed Struc: Concrete	35%	Now	\$113,700	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Basement Ceiling</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cellar, Below Apparatus Slab</i>								
<i>Explanation : Structurally Insufficient</i>								
Metal Panel	10%	Now	\$2,400	LIFE	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen And Bathrooms</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Plaster	55%	Now	\$18,100	LIFE	**	5	\$3,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Offices And Bunk Rooms</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Offices</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$30,800	2052	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 80%</i>								
<i>Location : North Gate Misaligned</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 50%</i>								
<i>Location : North Side</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$5,400	2045	**			
<i>Sinking/Subsiding, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Apron</i>								
On-Site Walkways								
Cast in Place Concrete	100%			2045	**			
Parking/Driveway								
Asphalt	100%	Now	\$93,200	2047	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout Parking Area</i>								
<i>Ponding, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Driveway And Parking Lot</i>								
<i>Potholes, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout Parking Area</i>								
<i>Sinking/Subsiding, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout Parking Area</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 314
Asset # : 13199

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment Fused Disc Sw	100%			2032	\$14,700	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>								
Switchgear / Switchboard Molded Case Bkrs	100%			2032	\$63,500	5	\$200	
Raceway Conduit	100%			2032	\$36,000	1		
Panelboards Molded Case Bkrs	100%			2031	\$48,500	5	\$200	
Wiring Thermoplastic	100%			2032	\$32,500	1		
Motor Controllers Locally Mounted	100%			2030	\$17,800	5		
Ground								
Grounding Devices Generic	100%	0-2	\$10,200	LIFE		**	5	\$100
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Lighting								
Interior Lighting Fluorescent	50%			2032	\$26,000	10	\$2,800	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor, Basement</i>								
Fluorescent	25%			2027	\$13,000	10	\$1,400	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement, 2nd Floor</i>								
Incandescent	5%			2027	\$3,700	2		
LED	20%			2040	**			
Exterior Lighting HID	10%			2027	\$2,800	10		
LED	10%			2040	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2042	**	1		
Conversion Equipment Steam Boiler	100%			2045	**	1	\$6,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 314
Asset # : 13199

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Steam Piping/Pump	100%	Now	\$2,400	2042	**			
<i>Leak Evident, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement, Condensate Return Piping At Boiler</i>								
Terminal Devices								
Convactor/Radiator	100%			2030	\$48,900	1	\$2,000	
<i>On Extended Life, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2048	**	1		
Conversion Equipment								
Window/Wall Unit	40%	Now	\$900	2027	\$9,100	1		
<i>Malfunctioning, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Second Floor</i>								
<i>Other Observation, Extent : N/A, Area Affected : 20%</i>								
<i>Location : Second Floor</i>								
<i>Explanation : Two Units On Second Floor Are Malfunctioning.</i>								
No Component	60%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$700	
No Component	80%							
Exhaust Fans								
Roof	20%			2037	**	2		
Wall Unit	20%			2032	\$500	2		
No Component	60%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2042	**	1		
Water Heater With Tanks								
Gas Fired	100%			2027	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units</i>								
Sanitary Piping								
Cast Iron	100%	Now	\$3,800	LIFE	**	1		
<i>Leak Evident, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Storm Drain Piping								
Cast Iron	100%	Now	\$1,100	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Parking Lot</i>								
Sump Pump(s)								
Submersible	100%			2025	\$200	4	\$200	
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 314
Asset # : 13199

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Fire Suppression

Chemical System

No Component

Generic

90%

10%

2027

\$8,000

1-3

\$8,100

Other Observation, Extent : Light, Area Affected : 100%

Location : Kitchen

Explanation : 1 Set

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 315/LADDER CO. 125
 Address : 159-06 UNION TURNPIKE
 Borough : QUEENS Agency's Number : N/A
 Program / Asset # : FIRSECO.315 / 13200 Yr Built/Renovated : 1929 / 2012
 Area Sq Ft : 5,948 Project Type : FIRE DEPARTMENT
 Date of Survey : 07-Oct-2021 Landmark Status : NONE
 Areas Surveyed : Basement, Roof, Floors 1,2
 Block : 6854 Lot : 28 BIN : 4148377

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture		\$74,200
Mechanical		\$159,400
Total		\$233,600
Importance Code B		\$233,600
Total		\$233,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$45,700			
Interior Architecture	\$61,000		\$1,000	\$900
Electrical	\$16,300			\$100
Mechanical	\$29,900	\$11,800	\$12,100	\$24,700
Site Enclosure	\$5,900			
Site Pavements	\$18,200			
Total	\$177,000	\$11,800	\$13,100	\$25,800
Importance Code A	\$46,300	\$600	\$600	\$600
Importance Code B	\$95,400	\$11,200	\$12,500	\$24,600
Importance Code C	\$35,400			\$600
Total	\$177,000	\$11,800	\$13,100	\$25,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 315/LADDER CO. 125
Asset # : 13200

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$16,200		
Masonry: Brick	85%			LIFE	**	5	\$35,300		
Masonry: Granite	5%			LIFE	**	5	\$1,600		
Wood Overhead Doors	5%	2-4	\$1,500	2038	**	5	\$2,600		
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Front Elevation Apparatus Door</i>									
Windows									
Aluminum	100%	Now	\$4,700	2041	**	5	\$1,000		
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Basement Window</i>									
Parapets									
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$7,600		
Masonry: Brick	90%	Now	\$5,900	LIFE	**	5	\$2,400		
<i>Miss/Damaged Flashings, Extent : Light, Area Affected : 5%</i>									
<i>Location : Rear Parapet</i>									
Roof									
Asphalt Shingle	10%			2042	**	10	\$100		
Modified Bitumen	90%	0-2	\$1,600	2041	**				
<i>Blisters, Extent : Light, Area Affected : 5%</i>									
<i>Location : Roof</i>									
Interior									
Floors									
Cast in Place Concrete	55%	2-4	\$8,400	LIFE	**	5	\$11,000		
<i>Ponding, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout Basement</i>									
Ceramic Tile	5%			2036	**	5	\$500		
Quarry Tile	5%			2046	**	5	\$700		
Terrazzo	5%			LIFE	**	5	\$700		
Vinyl Tile	30%	4+	\$14,800	2033	\$74,200	3	\$1,000		
<i>Worn/Eroded, Extent : Light, Area Affected : 15%</i>									
<i>Location : Throughout 2nd Floor</i>									
Interior Walls									
Ceramic Tile	10%			2042	**	5	\$1,200		
Gypsum Board	7%			LIFE	**	5-10	\$1,400		
Masonry: Brick	20%			LIFE	**	10	\$700		
Marble Panels	3%			LIFE	**	10	\$100		
Plaster	30%	Now	\$16,900	LIFE	**	5	\$1,100		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>									
<i>Location : 2nd Floor Dormitory And Engine Office</i>									
<i>Paint Peeling, Extent : Severe, Area Affected : 10%</i>									
<i>Location : 2nd Floor Dormitory South Wall</i>									
SGFT/Glazed Masonry	30%			LIFE	**	10	\$1,800		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 315/LADDER CO. 125
Asset # : 13200

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	10%			2046	**	5	\$900	
Exposed Struc: Concrete	10%	Now	\$6,700	LIFE	**	5	\$100	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Gymnasium</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement</i>								
Exposed Struc: Steel	20%			LIFE	**	10	\$3,700	
Gypsum Board	5%			LIFE	**	5-10	\$1,600	
Plaster	55%			LIFE	**	5-10	\$8,700	
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$1,600	2053	**			
<i>Impact Damage, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Gate</i>								
Retaining Walls								
Cast in Place Concrete	100%	2-4	\$4,300	2068	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Rear Yard</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	\$5,000	2046	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Of Building At Union Turnpike</i>								
On-Site Walkways								
Cast in Place Concrete	100%			2038	**			
Parking/Driveway								
Cast in Place Concrete	100%	Now	\$13,300	2038	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Driveway</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Driveway</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2033	\$14,700	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								
Raceway								
Conduit	95%			2033	\$34,200	1		
Conduit	5%			2043	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 315/LADDER CO. 125
Asset # : 13200

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Fused Disc Sw	5%			2032	\$2,400	5		
Molded Case Bkrs	95%			2032	\$46,000	5	\$100	
Wiring								
Braided Cloth	50%	2-4	\$16,300	2058	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	40%			2033	\$13,000	1		
Thermoplastic	10%			2043	**	1		
Motor Controllers								
Locally Mounted	100%			2031	\$17,800	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	98%			2038	**	10	\$5,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement And 1st Floor</i>								
<i>Explanation : T-8 Lamps</i>								
LED	2%			2041	**			
Exterior Lighting								
LED	20%			2041	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Steam Boiler	100%			2038	**	1	\$5,900	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Steam Piping/Pump	100%			2043	**			
Terminal Devices								
Convactor/Radiator	100%			2046	**	1	\$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2041	**	1		
Conversion Equipment								
Window/Wall Unit	50%			2031	\$11,000	1		
No Component	50%							

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FIRE DEPARTMENT - 057
ENGINE CO. 315/LADDER CO. 125
Asset # : 13200

Mechanical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Ventilation							
Distribution							
Ductwork/Diffusers	20%			LIFE	**	2-5	\$1,100
No Component	80%						
Exhaust Fans							
Roof	20%			2033	\$2,300	2	
Wall Unit	25%			2028	\$600	2	
No Component	55%						
Plumbing							
H/C Water Piping							
Brass/Copper	100%			2043	**	1	
Water Heater With Tanks							
Gas Fired	50%			2028	\$8,300	2	
Gas Fired	50%			2031	\$8,300	2	
Sanitary Piping							
Cast Iron	100%	0-2	\$3,700	LIFE	**	1	
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>							
<i>Location : Basement</i>							
Storm Drain Piping							
Cast Iron	100%	0-2	\$1,000	LIFE	**	1	
<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>							
<i>Location : Gymnasium, Basement</i>							
Sump Pump(s)							
Submersible	100%			2026	\$200	4	\$200
Fixtures							
Generic	100%						
Fire Suppression							
Chemical System							
Generic	100%			2028	\$159,400	1-3	\$161,800
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>							
<i>Location : Kitchen, Covers 40 Square Feet.</i>							
<i>Explanation : 1 Set</i>							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 316
Address : 27-12 KEARNEY STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.316 / 13201 **Yr Built/Renovated** : 1929 / 2009
Area Sq Ft : 6,128 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Jan-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1658 **Lot** : 5 **BIN** : 4041276

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture	\$126,300	\$121,200
Electrical		\$63,500
Total	\$126,300	\$184,700
Importance Code B	\$126,300	\$184,700
Total	\$126,300	\$184,700

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$86,100		\$900	
Interior Architecture	\$45,500		\$600	\$1,000
Electrical	\$10,800	\$400	\$400	\$2,900
Mechanical	\$1,700	\$800	\$9,900	\$800
Site Pavements	\$4,100			
Total	\$148,300	\$1,200	\$11,900	\$4,700
Importance Code A	\$86,700	\$600	\$1,500	\$600
Importance Code B	\$31,700	\$600	\$9,800	\$4,100
Importance Code C	\$29,800		\$600	
Total	\$148,300	\$1,200	\$11,900	\$4,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 316
Asset # : 13201

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%			LIFE	**	5	\$37,200	
<i>Vegetation Growth, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : South Facade</i>								
Masonry: Limestone	10%			LIFE	**	5	\$3,700	
Wood Overhead Doors	15%			2038	**	5	\$18,600	
Windows								
Aluminum	100%			2041	**	5	\$1,800	
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5-10	\$2,900	
Masonry: Brick	90%	4+	\$44,700	LIFE	**	5	\$1,800	
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Interior Parapet</i>								
Pre-Cast Concrete	5%			LIFE	**	5	\$1,300	
Roof								
Modified Bitumen	100%	Now	\$18,200	2038	**			
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Center Of Roof</i>								
<i>Seams Open/Split, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Center Of Roof</i>								
Interior								
Floors								
Cast in Place Concrete	35%	4+	\$13,100	LIFE	**	5	\$6,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Ceramic Tile	10%			2042	**	5	\$900	
Granite Panels	5%			LIFE	**	5	\$700	
Vinyl Tile	50%	Now	\$60,600	2033	\$121,200	3	\$1,700	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout 2nd Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 316
Asset # : 13201

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	10%			2036	**	5	\$1,200	
Gypsum Board	15%			LIFE	**	5-10	\$3,100	
Masonry: Brick	15%	0-2	\$17,200	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	5%	Now	\$2,900	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Offices</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Offices</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Offices</i>								
Plaster	25%			LIFE	**	5-10	\$2,600	
SGFT/Glazed Masonry	30%			LIFE	**	10	\$1,900	
Ceilings								
Exposed Struc: Concrete	25%	Now	\$65,700	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Support Of Apparatus Floor Is Reinforced With Lally Columns</i>								
Plaster	70%	Now	\$3,700	LIFE	**	5	\$3,900	
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Garage</i>								
Plaster	5%	Now	\$2,700	LIFE	**	5	\$300	
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : 2nd Floor Office</i>								
Site Enclosure								
Fence/Gates								
Chain Link	30%			2053	**			
Chain Link	70%			2043	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	**			
On-Site Walkways								
Cast in Place Concrete	100%			2038	**			
Parking/Driveway								
Cast in Place Concrete	60%			2046	**			
Cast in Place Concrete	40%	2-4	\$4,100	2038	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 316
Asset # : 13201

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2033	\$14,700	5		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
Raceway								
Conduit	30%			2053	**	1		
Conduit	70%			2033	\$25,200	1		
Panelboards								
Molded Case Bkrs	50%			2032	\$24,200	5	\$100	
Molded Case Bkrs	50%			2049	**	5	\$100	
Wiring								
Thermoplastic	75%			2033	\$24,400	1		
Thermoplastic	25%			2053	**	1		
Motor Controllers								
Locally Mounted	100%			2031	\$17,800	5		
Ground								
Grounding Devices								
Generic	100%	2-4	\$10,200	LIFE	**	5	\$100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Corroded</i>						
Stand-by Power								
Transfer Switches								
Automatic	100%			2046	**	1	\$1,900	
Generators								
Diesel	100%			2042	**	1	\$2,400	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Side Yard</i>						
		<i>Explanation : Emergency Generator Rated At 60 Kilowatts</i>						
Batteries								
Lead/Acid	100%			2027	\$2,400	5	\$200	
Fuel Storage								
Main Tank	100%			2061	**	5		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Side Yard</i>						
		<i>Explanation : 125 Gallon Capacity</i>						
Lighting								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 316
Asset # : 13201

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	1%			2028	\$500	10	\$100	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fluorescent	1%			2028	\$500	10	\$100	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
LED	98%			2038	* *			
Egress Lighting								
Emergency, Service	90%			2038	* *	1		
Emergency, Battery	10%			2033	\$1,000	10	\$100	
Exterior Lighting								
HID	1%			2033	\$300	10		
LED	19%			2038	* *			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2053	* *	1		
Conversion Equipment								
Steam Boiler	100%			2046	* *	1	\$6,100	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Steam Piping/Pump	100%			2043	* *			
Terminal Devices								
Convactor/Radiator	100%			2046	* *	1	\$2,000	
Controls								
Electrical	100%			2031	\$33,300			
Air Conditioning								
Energy Source Electricity	100%			2049	* *	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 316
Asset # : 13201

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Split Unit	10%			2033	\$14,200			
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Unit. R-134 Refrigerant</i>								
Split Unit	10%			2038	**			
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : 1 Unit. R-410a Refrigerant</i>								
Window/Wall Unit	40%			2026	\$9,100	1		
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$500	
No Component	90%							
Exhaust Fans								
Roof	10%			2028	\$1,200	2		
Wall Unit	20%	0-2	\$500	2043	**	2		
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2043	**	1		
Water Heater With Tanks								
Gas Fired	100%			2028	\$33,400	2		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units, 75 Gallons Each. Quantity 2.</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%	0-2	\$200	2028	\$200	4	\$100	
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 317 / LADDER CO. 165
Address : 117-11 196th STREET @ LINDEN BLVD.
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.317 / 13202 **Yr Built/Renovated** : 1929 / 2011
Area Sq Ft : 6,128 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 12617 **Lot** : 40 **BIN** : 4271743

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$237,300	
Electrical		\$52,000
Mechanical	\$79,700	
Total	\$317,000	\$52,000
Importance Code A	\$237,300	
Importance Code B	\$79,700	\$52,000
Total	\$317,000	\$52,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$68,200	\$2,600		
Interior Architecture	\$70,900	\$400		\$1,300
Electrical	\$500	\$3,100	\$500	\$700
Mechanical	\$11,700	\$12,800	\$6,600	\$34,300
Site Enclosure	\$41,400			
Site Pavements	\$3,400			
Total	\$196,100	\$18,900	\$7,100	\$36,300
Importance Code A	\$68,800	\$3,200	\$600	\$700
Importance Code B	\$57,200	\$15,700	\$6,500	\$35,000
Importance Code C	\$70,100			\$600
Total	\$196,100	\$18,900	\$7,100	\$36,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 317 / LADDER CO. 165
Asset # : 13202

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	88%	0-2	\$147,000	LIFE	**	5	\$18,300	
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : Side Facade</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Rear And Side Facades</i>								
Masonry: Granite	2%			LIFE	**	5	\$300	
Masonry: Limestone	5%	0-2	\$16,000	LIFE	**	5	\$800	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	5%			2045	**	5	\$5,200	
Windows								
Aluminum	100%	Now	\$28,000	2048	**	5	\$1,000	1
<i>Air Infiltration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Second Floor Throughout</i>								
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%	0-2	\$9,500	LIFE	**	5	\$2,100	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Parapet Copings</i>								
Masonry: Brick	90%	0-2	\$14,800	LIFE	**	5	\$2,400	
<i>Efflorescence, Extent : Light, Area Affected : 10%</i>								
<i>Location : East Wall</i>								
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Roof</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Parapet Walls</i>								
Roof								
Modified Bitumen	100%	0-2	\$90,400	2042	**			
<i>Blisters, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Various Areas At Roof</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Roof</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 317 / LADDER CO. 165
Asset # : 13202

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	25%	0-2	\$3,800	LIFE	**	5	\$5,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
Cast in Place Concrete	25%	Now	\$9,500	LIFE	**	5	\$5,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Uneven Surface, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Ceramic Tile	10%			2047	**	5	\$900	
Ceramic Tile	5%	Now	\$10,100	2047	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Kitchen</i>								
<i>Drains Clogged, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Kitchen Floor</i>								
Terrazzo	5%			LIFE	**	5	\$400	
Vinyl Tile	25%	Now	\$18,600	2042	**	3	\$900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout, 2nd Floor</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Locker Room And Common Area</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : 2nd Floor</i>								
Wood	5%			2060	**	5	\$900	
Interior Walls								
Cast in Place Concrete	10%	Now	\$26,500	LIFE	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Front Basement Wall</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	10%			2047	**	5	\$1,200	
Masonry: Brick	10%			LIFE	**			
Plaster	40%	Now	\$2,300	LIFE	**	5	\$1,400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Kitchen Area And Side Exit Door Opening</i>								
SGFT/Glazed Masonry	30%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	5%	Now	\$100	2045	**	5	\$200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen Ceiling</i>								
Exposed Struc: Concrete	70%			LIFE	**	5	\$1,000	
Gypsum Board	2%			LIFE	**	5	\$200	
Plaster	23%			LIFE	**	5	\$1,300	
Site Enclosure								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 317 / LADDER CO. 165
Asset # : 13202

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Enclosure

Fence/Gates

Chain Link

100% Now \$41,400 2062 * *

Broken/Missing Elements, Extent : Severe, Area Affected : 90%

Location : Side Yard And Rear Yard

Corrosion/Rusting, Extent : Severe, Area Affected : 100%

Location : Throughout

Site Pavements

Public Sidewalk

Cast in Place Concrete

100% 0-2 \$3,400 2045 * *

Cracking/Crumbling, Extent : Moderate, Area Affected : 10%

Location : Front Of Firehouse

On-Site Walkways

Cast in Place Concrete

100% 2037 * *

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Molded Case Bkrs

100% 2042 * * 5 \$200

Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room Basement

Explanation : One 200 Ampere Main Disconnect Switch

Switchgear / Switchboard

Molded Case Bkrs

100% 2042 * * 5 \$200

Raceway

Conduit

100% 2042 * * 1

Panelboards

Fused Disc Sw

5% 2040 * * 5

Molded Case Bkrs

95% 2040 * * 5 \$200

Wiring

Thermoplastic

100% 2042 * * 1

Motor Controllers

Locally Mounted

100% 2037 * * 5

Ground

Grounding Devices

Generic

100% LIFE * * 5 \$100

Stand-by Power

Transfer Switches

Automatic

100% 2037 * * 1 \$1,900

Generators

Diesel

100% 2041 * * 1 \$2,400

Other Observation, Extent : Light, Area Affected : 100%

Location : Outside

Explanation : One 80 Kilowatts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 317 / LADDER CO. 165
Asset # : 13202

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Batteries								
Lead/Acid	100%			2025	\$2,400	5	\$200	
Fuel Storage								
Day Tank	50%			2040	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 60 Gallons</i>								
Main Tank	50%			2047	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 550 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent	90%			2032	\$46,800	10	\$5,100	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	10%			2032	\$5,200	10	\$600	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen And Offices</i>								
Egress Lighting								
Emergency, Service	50%			2032	\$1,800	1		
No Component	50%							
Exterior Lighting								
HID	20%			2032	\$5,600	10		
No Component	80%							
Alarm								
Security System								
No Component	80%							
Generic	20%			2032	\$2,200	1	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front And Driveway</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2052	**	1		
Conversion Equipment								
Steam Boiler	100%			2037	**	1	\$6,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Steam Piping/Pump	100%			2032	\$47,900			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 317 / LADDER CO. 165
Asset # : 13202

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convactor/Radiator	100%			2030	\$48,900	1	\$2,000	
		<i>On Extended Life, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Air Conditioning								
Energy Source								
Electricity	100%			2040	**	1		
Conversion Equipment								
Split Unit	20%			2032	\$28,400			
		<i>R-22 Refrigerant, Extent : Light, Area Affected : 20%</i>						
		<i>Location : Roof</i>						
Window/Wall Unit	50%	Now	\$600	2027	\$11,300	1		
		<i>Broken, Extent : Severe, Area Affected : 15%</i>						
		<i>Location : Second Floor</i>						
No Component	30%							
Terminal Devices								
Air Handler/Dir	20%			2032	\$16,100	1		
Expansion								
No Component	80%							
Heat Rejection								
Air Cooled Condenser	20%			2032	\$2,400	2	\$900	
Unit								
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$700	
No Component	80%							
Exhaust Fans								
Interior	20%			2032	\$5,300	2		
Roof	25%			2032	\$2,900	2		
Wall Unit	25%	Now	\$600	2042	**	2		
		<i>Broken, Extent : Severe, Area Affected : 10%</i>						
		<i>Location : Apparatus Room</i>						
No Component	30%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2052	**	1		
Water Heater With Tanks								
Gas Fired	100%			2027	\$16,700	2		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two Units</i>						
Sanitary Piping								
Cast Iron	100%	Now	\$3,800	LIFE	**	1		
		<i>Leak Evident, Extent : Severe, Area Affected : 10%</i>						
		<i>Location : Bathroom And Gymnasium</i>						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 317 / LADDER CO. 165
Asset # : 13202

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2024	\$200	4	\$200
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Generic	100%			2025	\$79,700	1-3	\$74,400
	<i>Other Observation, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Kitchen</i>							
	<i>Explanation : 1 Set. Kitchen Stove Not Working</i>							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 318/LADDER CO. 166
Address : 2510 NEPTUNE AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.318 / 13203 **Yr Built/Renovated** : 1929 /
Area Sq Ft : 5,746 **Project Type** : FIRE DEPARTMENT
Date of Survey : 13-Jul-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 7013 **Lot** : 7 **BIN** : 3188880

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$331,500	\$85,200
Interior Architecture	\$132,200	\$88,800
Mechanical	\$119,500	
Total	\$583,200	\$174,000
Importance Code A	\$331,500	\$85,200
Importance Code B	\$251,700	\$88,800
Total	\$583,200	\$174,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$108,000	\$2,900		
Interior Architecture	\$129,000		\$1,300	\$400
Electrical	\$100	\$100	\$100	\$100
Mechanical	\$20,800	\$9,000	\$9,200	\$18,700
Site Pavements	\$1,200			
Total	\$259,100	\$11,900	\$10,600	\$19,200
Importance Code A	\$108,600	\$3,400	\$500	\$500
Importance Code B	\$105,300	\$8,500	\$10,100	\$18,600
Importance Code C	\$45,300			
Total	\$259,100	\$11,900	\$10,600	\$19,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 318/LADDER CO. 166
Asset # : 13203

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	15%			2053	**	10	\$1,200	
Cast in Place Concrete	10%	Now	\$77,000	LIFE	**	5	\$13,200	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Bulkhead And Rear Extension Foundation</i>								
Masonry: Brick	60%	Now	\$254,400	LIFE	**	5	\$15,800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Hose Tower</i>								
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Hose Tower</i>								
Masonry: Granite	3%	Now	\$6,100	LIFE	**	5	\$600	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%	0-2	\$10,100	LIFE	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Elevation</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front Facade</i>								
Metal Sect. OHD	7%			2050	**	5	\$5,800	
Windows								
Aluminum	100%	Now	\$4,400	2041	**	5	\$900	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$21,900	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	90%	Now	\$22,800	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 318/LADDER CO. 166
Asset # : 13203

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Asphalt Shingle	15%			2042	**	10	\$200	
Built-Up (BUR)	80%	Now	\$17,000	2028	\$85,200			
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Corridor, Hose Tower And Bunk Room</i>								
Skylight, Metal/Glass	5%	Now	\$25,600	2043	**			1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$37,300	LIFE	**	5	\$9,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%	Now	\$1,400	2042	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Quarry Tile	5%			2046	**	5	\$700	
Terrazzo	2%			LIFE	**	5	\$300	
Vinyl Tile	33%	Now	\$44,400	2033	\$88,800	3	\$1,200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
Wood	10%			2061	**	5	\$1,900	
Interior Walls								
Cast in Place Concrete	20%	0-2	\$10,200	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%	Now	\$700	2042	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Gypsum Board	15%			LIFE	**	5-10	\$3,500	
Masonry: Brick	15%			LIFE	**	10	\$600	
Plaster	30%	Now	\$29,300	LIFE	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Hose Tower, Bunk Room And Throughout</i>								
SGFT/Glazed Masonry	15%			LIFE	**	10	\$1,000	

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FIRE DEPARTMENT - 057
ENGINE CO. 318/LADDER CO. 166
Asset # : 13203

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
Embossed Metal	10%			LIFE	**	5	\$900	
Exposed Struc: Concrete	25%	Now	\$72,900	LIFE	**	5	\$400	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement Tank And Storage Room</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement Tank And Storage Room</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement Tank And Storage Room</i>								
Gypsum Board	15%	Now	\$1,300	LIFE	**	5	\$1,900	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Bunk Extension</i>								
Plaster	50%	Now	\$59,200	LIFE	**	5	\$3,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Hose Tower</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Corridor And Hose Tower</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2043	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2050	**			
On-Site Walkways								
Cast in Place Concrete	100%	0-2	\$1,200	2046	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Side Alley</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2046	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2053	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2053	**	5	\$200	

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FIRE DEPARTMENT - 057
ENGINE CO. 318/LADDER CO. 166
Asset # : 13203

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	90%			2053	**	1		
Conduit	10%			2033	\$3,600	1		
Panelboards								
Molded Case Bkrs	90%			2049	**	5	\$100	
Molded Case Bkrs	10%			2032	\$4,800	5		
Wiring								
Thermoplastic	90%			2053	**	1		
Thermoplastic	10%			2033	\$3,300	1		
Motor Controllers								
Locally Mounted	100%			2031	\$17,800	5		
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
LED	100%			2041	**			
Exterior Lighting								
LED	30%			2041	**			
No Component	70%							
Alarm								
Security System								
No Component	70%							
Generic	30%			2038	**	1	\$600	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Apparatus Floor And Outside Perimeter</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Hot Water Boiler	10%			2046	**	1	\$300	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit, Serving Rear Lounge Area On 1st Floor</i>								
Steam Boiler	90%			2046	**	1	\$5,100	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	10%			2049	**	4		
Steam Piping/Pump	90%			2043	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 318/LADDER CO. 166
Asset # : 13203

Mechanical System Component Type	Current Repair			Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Terminal Devices								
Convactor/Radiator	100%			2038	**	1	\$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2041	**	1		
Conversion Equipment								
Window/Wall Unit	60%			2028	\$12,800	1		
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$1,000	
No Component	80%							
Exhaust Fans								
Roof	20%	0-2	\$700	2033	\$2,200	2		
		<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
Wall Unit	10%			2028	\$200	2		
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2043	**	1		
Water Heater With Tanks								
Gas Fired	100%			2028	\$33,400	2		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two 75 Gallon Units</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	Now	\$1,000	LIFE	**	1		
		<i>Damaged, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : The Gutter Inside Basement Causes Flooding When It Rains.</i>						
Sump Pump(s)								
Submersible	100%			2026	\$200	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2026	\$119,500	1-3	\$121,300	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Covers 30 Square Feet In Kitchen</i>						
		<i>Explanation : 1 Set</i>						

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 319
Address : 78-11 67th ROAD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.319 / 13204 **Yr Built/Renovated** : 1930 /
Area Sq Ft : 6,576 **Project Type** : FIRE DEPARTMENT
Date of Survey : 24-Mar-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3776 **Lot** : 56 **BIN** : 4091550

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture	\$162,000	
Electrical		\$52,400
Total	\$162,000	\$52,400
Importance Code B	\$162,000	\$52,400
Total	\$162,000	\$52,400

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$70,500			\$9,200
Interior Architecture	\$51,900	\$800		\$1,100
Electrical		\$100		\$3,900
Mechanical	\$9,300	\$1,100	\$1,000	\$32,100
Site Enclosure	\$3,500			
Total	\$135,200	\$2,100	\$1,000	\$46,300
Importance Code A	\$71,100	\$700	\$700	\$9,800
Importance Code B	\$41,600	\$1,100	\$400	\$36,500
Importance Code C	\$22,500	\$300		
Total	\$135,200	\$2,100	\$1,000	\$46,300



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FIRE DEPARTMENT - 057
ENGINE CO. 319
Asset # : 13204

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	3%			LIFE	**	5	\$5,900	
Masonry: Brick	90%	4+	\$36,500	LIFE	**	5	\$22,700	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Foundation Wall At Storage Room</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : East And West Facade</i>								
<i>Explanation : Brushed On Waterproofing Beginning To Peel</i>								
Masonry: Granite	1%			LIFE	**	5	\$200	
Masonry: Limestone	1%	Now	\$3,900	LIFE	**	5	\$200	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front Facade</i>								
Metal Sect. OHD	5%	Now	\$2,200	2049	**	5	\$2,000	
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Overhead Door</i>								
<i>Explanation : Door Not Closing All The Way</i>								
Windows								
Aluminum	100%	0-2	\$8,800	2048	**	5	\$900	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Lintel At 2nd Floor Alley Side</i>								
Parapets								
Masonry: Brick	80%	0-2	\$19,000	LIFE	**	5	\$1,500	
<i>Paint Peeling, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Roof Parapet Wall</i>								
<i>Painted Surfaces, Extent : Light, Area Affected : 100%</i>								
<i>Location : Parapet Walls</i>								
<i>Other Observation, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Roof Parapet Wall</i>								
<i>Explanation : Trapped Moisture Behind Painted Walls. Brick Spalling</i>								
Masonry: Limestone	20%			LIFE	**	5	\$500	
Roof								
Modified Bitumen	98%			2037	**	10	\$9,200	
Skylight, Metal/Glass	2%			2052	**	10	\$600	

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 319
Asset # : 13204

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	55%	Now	\$54,000	LIFE	**	5	\$11,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Apparatus Floor Supported On Lolly Columns In Basement</i>								
Ceramic Tile	10%			2035	**	5	\$1,000	
Mosaic Tile	5%	Now	\$4,500	2045	**	5	\$600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Kitchen, Dining Area</i>								
Vinyl Tile	30%	2-4	\$23,900	2042	**	3	\$1,100	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Interior Walls								
Cast in Place Concrete	20%	Now	\$20,100	LIFE	**			
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Front And Side At Basement</i>								
Ceramic Tile	5%			2035	**	5	\$700	
Gypsum Board	5%			LIFE	**	5	\$400	
Masonry: Brick	20%			LIFE	**			
Plaster	25%	Now	\$1,600	LIFE	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Roof Hatch</i>								
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	15%			2037	**	5	\$1,500	
Exposed Struc: Concrete	30%	Now	\$108,000	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement Ceiling</i>								
<i>Explanation : Lally Columns Installed To Support Apparatus Floor</i>								
Exposed Struc: Concrete	25%			LIFE	**	5	\$400	
Plaster	30%	Now	\$1,800	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Roof Hatch</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Bunkroom, Lounge And Roof Hatch</i>								
Site Enclosure								

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FIRE DEPARTMENT - 057
ENGINE CO. 319
Asset # : 13204

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost

Site Enclosure

Fence/Gates

Chain Link

100% Now \$800 2032 \$41,500

Broken/Missing Elements, Extent : Moderate, Area Affected : 5%

Location : Gate

Corrosion/Rusting, Extent : Light, Area Affected : 75%

Location : Throughout

Retaining Walls

Cast in Place Concrete

100% Now \$2,700 2052 * *

Cracking/Crumbling, Extent : Moderate, Area Affected : 10%

Location : Rear Yard And Driveway

Site Pavements

Public Sidewalk

Cast in Place Concrete

100% 2045 * *

On-Site Walkways

Cast in Place Concrete

100% 2045 * *

Parking/Driveway

Cast in Place Concrete

100% 2045 * *

Electrical

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost

Under 600 Volts

Service Equipment

Fused Disc Sw

100% 2042 * * 5

Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : Main Service Disconnect Switch Rated At 200 Amperes.

Switchgear / Switchboard

Molded Case Bkrs

100% 2042 * * 5 \$200

Raceway

Conduit

100% 2042 * * 1

Panelboards

Molded Case Bkrs

100% 2040 * * 5 \$200

Wiring

Thermoplastic

100% 2042 * * 1

Ground

Grounding Devices

Generic

100% LIFE * * 5 \$100

Lighting

Interior Lighting

Fluorescent

94% 2032 \$52,400 10 \$5,700

Other Observation, Extent : N/A, Area Affected : 100%

Location : Throughout The Building

Explanation : T-8 Lamps

Incandescent

1% 2027 \$800 2

LED

5% 2040 * *

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FIRE DEPARTMENT - 057
ENGINE CO. 319
Asset # : 13204

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting

HID	10%			2027	\$3,000	10		
LED	10%			2040	**			
No Component	80%							

Alarm

Security System

No Component	90%							
Generic	10%			2032	\$1,200	1	\$300	

Other Observation, Extent : N/A, Area Affected : 100%

Location : Front Of The Building

Explanation : CCTV Surveillance Cameras

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas	100%			2052	**	1		
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Conversion Equipment

Steam Boiler	100%			2045	**	1	\$6,500	
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : 1 Unit

Distribution

Steam Piping/Pump	100%			2042	**			
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Terminal Devices

Convactor/Radiator	100%	0-2	\$1,100	2037	**	1	\$1,900	
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Leak Evident, Extent : Moderate, Area Affected : 5%

Location : Front Of Apparatus Floor

Air Conditioning

Energy Source

Electricity	100%			2040	**	1		
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Conversion Equipment
Window/Wall Unit

	60%	0-2	\$2,900	2027	\$14,600	1		
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Not Energy Efficient, Extent : Moderate, Area Affected : 50%

Location : Various Locations

No Component	40%							
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Ventilation

Distribution

Ductwork/Diffusers	20%			LIFE	**	2-5	\$700	
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No Component	80%							
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FIRE DEPARTMENT - 057
ENGINE CO. 319
Asset # : 13204

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
Exhaust Fans								
Roof	20%	0-2	\$700	2032	\$2,500	2		
	<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Roof</i>							
Wall Unit	25%	0-2	\$300	2032	\$700	2		
	<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>							
	<i>Location : Apparatus Floor</i>							
	<i>Explanation : 1 Unit Is On Extended Life Time And Inefficient.</i>							
No Component	55%							
	<i>Other Observation, Extent : N/A, Area Affected : 0%</i>							
	<i>Location : Kitchen</i>							
	<i>Explanation : There Is No Exhaust For Stove</i>							
Plumbing								
H/C Water Piping								
Brass/Copper	100%	0-2	\$1,700	2042	**	1		
	<i>Not Insulated, Extent : Moderate, Area Affected : 15%</i>							
	<i>Location : Basement</i>							
Water Heater With Tanks								
Gas Fired	100%	0-2	\$300	2027	\$16,700	2		
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 2 Units That Are 80 Gallons. 1 Unit Is Not In Service.</i>							
Sanitary Piping								
Cast Iron	100%	0-2	\$1,600	LIFE	**	1		
	<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : Outside Parking Area.</i>							
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2025	\$200	4	\$200	
Fixtures								
Generic	100%							
	<i>Leaking Faucets/Valves/Heads, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : 1st Floor Restroom And 2nd Floor Office Restroom Toilets</i>							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 320/LADDER CO. 167
Address : 36-18 FRANCIS LEWIS BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.320 / 13205 **Yr Built/Renovated** : 1931 / 2012
Area Sq Ft : 4,930 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Apr-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5319 **Lot** : 8 **BIN** : 4120143

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$51,000	
Electrical		\$63,500
Mechanical		\$453,000
Total	\$51,000	\$516,500
Importance Code A	\$51,000	
Importance Code B		\$516,500
Total	\$51,000	\$516,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$12,400		\$1,600	
Interior Architecture	\$27,800		\$700	
Electrical	\$10,200			
Mechanical	\$23,400	\$6,100	\$6,200	\$12,400
Total	\$73,800	\$6,100	\$8,500	\$12,400
Importance Code A	\$12,600	\$200	\$1,900	\$200
Importance Code B	\$57,300	\$5,800	\$6,700	\$12,100
Importance Code C	\$3,900			
Total	\$73,800	\$6,100	\$8,500	\$12,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 320/LADDER CO. 167
Asset # : 13205

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2043	**	10	\$300	
Alum/Vinyl Siding	5%			2053	**	10	\$300	
Masonry: Brick	70%	Now	\$51,000	LIFE	**	5	\$12,700	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Northwest Corner</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : North And South Facades</i>								
Masonry: Granite	5%			LIFE	**	5	\$1,400	
Masonry: Limestone	10%			LIFE	**	5	\$2,700	
Metal Sect. OHD	5%			2046	**	5	\$2,800	
Windows								
Aluminum	95%			2049	**	5	\$400	
Metal Louvers	5%			2042	**	10	\$100	
Parapets								
Masonry: Brick	75%			LIFE	**	5-10	\$7,500	
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	20%			LIFE	**	5-10	\$3,600	
Pre-Cast Concrete	5%			LIFE	**	5	\$900	
Roof								
Asphalt Shingle	15%			2036	**	10	\$200	
Metal, Corrugated	5%			2046	**	1		
Modified Bitumen	80%			2038	**	10	\$6,300	
Interior								
Floors								
Cast in Place Concrete	55%			LIFE	**	5	\$20,100	
Ceramic Tile	10%			2046	**	5	\$800	
Quarry Tile	5%			2038	**	5	\$600	
Vinyl Tile	30%			2038	**	3	\$900	
Interior Walls								
Cast in Place Concrete	10%	Now	\$1,600	LIFE	**			
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Around Basement Dampers</i>								
Ceramic Tile	15%			2029	\$34,700	5	\$600	
Gypsum Board	15%			LIFE	**	5-10	\$1,100	
Plaster	35%	Now	\$700	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Roof Scuttle</i>								
SGFT/Glazed Masonry	25%			LIFE	**	10	\$500	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 320/LADDER CO. 167
Asset # : 13205

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileSusp.Lay-In	10%			2038	**	5	\$800
Exposed Struc: Concrete	30%	Now	\$7,300	LIFE	**	5	\$400

Exposed Reinforcement, Extent : Moderate, Area Affected : 5%

Location : Apparatus Floor Ceiling

Exposed Struc: Steel	30%			LIFE	**	10	\$5,000
Plaster	30%	Now	\$1,500	LIFE	**	5	\$1,600

Cracking/Crumbling, Extent : Moderate, Area Affected : 5%

Location : Roof Scuttle

Site Enclosure

Fence/Gates

Chain Link	100%			2053	**		
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2046	**		
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Parking/Driveway

Cast in Place Concrete	100%			2046	**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2033	\$14,700	5	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : Main Service Disconnect Switch Rated At 200 Amperes.

Switchgear / Switchboard

Fused Disc Sw	100%			2033	\$63,500	5	
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Raceway

Conduit	100%			2053	**	1	
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Panelboards

Molded Case Bkrs	100%			2049	**	5	\$100
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Wiring

Thermoplastic	100%			2053	**	1	
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Motor Controllers

Locally Mounted	100%			2046	**	5	
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Ground

Grounding Devices

Generic	100%	2-4	\$10,200	LIFE	**	5	\$100
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Basement

Explanation : Corroded

Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 320/LADDER CO. 167
Asset # : 13205

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Interior Lighting
LED

100% 2038 **

Other Observation, Extent : Light, Area Affected : 100%

Location : Throughout The Building

Explanation : LED Lights

Egress Lighting

Emergency, Battery

50% 2038 ** 10 \$600

Exit, LED

50% 2061 ** 1

Exterior Lighting

Incandescent

2% 2028 \$500 2

LED

18% 2038 **

No Component

80%

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100% 2053 ** 1

Conversion Equipment

Hot Water Boiler

100% 2046 ** 1 \$2,400

Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : 1 Unit

Distribution

Hot Wtr Piping/Pump

100% 2049 ** 4 \$400

Terminal Devices

Convactor/Radiator

80% 2046 ** 1 \$1,300

Unit Heater - Steam

20% 2033 \$5,500 4 \$100

Air Conditioning

Energy Source

Electricity

100% 2049 ** 1

Conversion Equipment

Split Unit

10% 0-2 \$1,100 2038 **

Controller Not Working, Extent : Moderate, Area Affected : 10%

Location : Kitchen

Window/Wall Unit

50% 2031 \$9,100 1

No Component

40%

Terminal Devices

Fan Coil - 2 Pipe

10% 0-2 \$900 2038 ** 1 \$100

Broken, Extent : Moderate, Area Affected : 50%

Location : House Watch

No Component

90%

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 320/LADDER CO. 167
Asset # : 13205

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Heat Rejection								
Air Cooled Condenser Unit	10%			2038	**	2	\$300	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	15%			LIFE	**	2-5	\$700	
No Component	85%							
Exhaust Fans								
Roof	15%			2033	\$1,400	2		
Wall Unit	20%			2038	**	2		
No Component	65%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2053	**	1		
Water Heater With Tanks								
Gas Fired	60%			2031	\$30,000	2		
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : One 75 Gallon Unit</i>					
Solar	40%	0-2	\$7,500	2028	\$373,300	1		
			<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Roof</i>					
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : One 150 Gallon Storage Tank</i>					
Sanitary Piping								
Cast Iron	100%	0-2	\$1,200	LIFE	**	1		
			<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Basement</i>					
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2026	\$100	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2028	\$79,700	1-3	\$80,900	
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : One Set Covers 20 Square Feet</i>					

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 321
Address : 2165 GERRITSEN AVENUE @ AVENUE U
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.321 / 13206 **Yr Built/Renovated** : 1930 / 2011
Area Sq Ft : 6,128 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Dec-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 8817 **Lot** : 49 **BIN** : 3248186

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$453,200	
Interior Architecture	\$683,300	
Mechanical		\$79,700
Total	\$1,136,500	\$79,700
Importance Code A	\$453,200	
Importance Code B	\$683,300	\$79,700
Total	\$1,136,500	\$79,700

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$121,100			
Interior Architecture	\$71,500	\$500	\$1,500	\$400
Electrical	\$900	\$700	\$700	\$3,000
Mechanical	\$15,200	\$6,400	\$6,800	\$12,800
Site Enclosure	\$10,700			
Total	\$219,400	\$7,500	\$9,100	\$16,200
Importance Code A	\$121,800	\$600	\$600	\$600
Importance Code B	\$27,300	\$6,900	\$8,500	\$15,300
Importance Code C	\$70,400			\$400
Total	\$219,400	\$7,500	\$9,100	\$16,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 321
Asset # : 13206

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$453,200	LIFE	**	5	\$18,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	2%	Now	\$1,800	LIFE	**	5	\$400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Base Of Front Facade</i>								
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
Masonry: Limestone	5%	Now	\$18,100	LIFE	**	5	\$900	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Front Facade</i>								
Metal Panel	4%	Now	\$3,000	2053	**	5	\$1,800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 25%</i>								
<i>Location : Southwest Elevation Of Bulkhead</i>								
Slate Panels	1%	Now	\$3,600	LIFE	**	5	\$200	
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Slate Window Sills</i>								
Wood Overhead Doors	8%			2038	**	5	\$9,400	
Windows								
Aluminum	98%	Now	\$8,900	2049	**	5	\$1,000	
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Wood	2%	0-2	\$1,500	2058	**	5	\$200	
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Tower Section</i>								
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Hose Tower</i>								
<i>Explanation : Boarded Over</i>								
Parapets								
Masonry: Brick	80%	Now	\$43,800	LIFE	**	5	\$1,800	1
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Corners</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%			LIFE	**	5-10	\$2,700	
Metal Panel	10%			2053	**	5	\$900	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 321
Asset # : 13206

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Roof								
Built-Up (BUR)	98%	Now	\$21,900	2038		**		
<i>Patching Evident, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Light, Area Affected : 10%</i>								
<i>Location : Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Toilets And Locker Room</i>								
Skylight, Metal/Glass	2%	Now	\$16,100	2053		**		
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$381,000	LIFE		**	5	\$10,000
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement And Apparatus Floor</i>								
Ceramic Tile	30%			2046		**	5	\$2,800
Terrazzo	5%			LIFE		**	5	\$700
Vinyl Tile	15%			2038		**	3	\$500
Interior Walls								
Cast in Place Concrete	15%	0-2	\$7,900	LIFE		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2042		**	5	\$700
Gypsum Board	20%			LIFE		**	5-10	\$4,800
Masonry: Brick	15%	0-2	\$19,800	LIFE		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	30%	Now	\$25,300	LIFE		**	5	\$1,300
<i>Water Penetration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Hose Tower</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Hose Tower And Stair</i>								
SGFT/Glazed Masonry	10%			LIFE		**	10	\$700
Wood	5%			LIFE		**	5	\$5,700

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 321
Asset # : 13206

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Ceilings

AcousTileSusp.Lay-In	10%			2050	**	5	\$1,000	
Exposed Struc: Concrete	20%	Now	\$302,300	LIFE	**	5	\$300	

Cracking/Crumbling, Extent : Severe, Area Affected : 60%

Location : Basement

Exposed Reinforcement, Extent : Moderate, Area Affected : 20%

Location : Basement

Other Observation, Extent : Severe, Area Affected : 100%

Location : Basement

Explanation : Apparatus Floor Supported By Temporary Columns

Gypsum Board	10%			LIFE	**	5-10	\$3,600	
Plaster	60%	4+	\$9,200	LIFE	**	5	\$3,900	

Cracking/Crumbling, Extent : Moderate, Area Affected : 5%

Location : Hose Tower

Paint Peeling, Extent : Severe, Area Affected : 5%

Location : Hose Tower

Site Enclosure

Fence/Gates

Chain Link	100%	Now	\$10,700	2053	**			
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Impact Damage, Extent : Moderate, Area Affected : 10%

Location : Gate

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2046	**			
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On-Site Walkways

Cast in Place Concrete	100%			2046	**			
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Parking/Driveway

Cast in Place Concrete	100%			2050	**			
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Electrical

Current Repair

Future Replacement

Maintenance

System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2043	**	5		
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : Main Service Disconnect Switch Rated At 200 Amperes.

Switchgear / Switchboard

Molded Case Bkrs	100%			2043	**	5	\$200	
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Raceway

Conduit	100%			2043	**	1		
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Panelboards

Molded Case Bkrs	100%			2041	**	5	\$200	
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Wiring

Thermoplastic	100%			2043	**	1		
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 321
Asset # : 13206

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2038	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2046	**	1	\$1,900	
Generators								
Diesel	100%			2042	**	1	\$2,400	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Side Yard</i>						
		<i>Explanation : Emergency Generator Rated At 60 Kilowatts</i>						
Batteries								
Lead/Acid	100%			2027	\$2,400	5	\$200	
Fuel Storage								
Main Tank	100%			2061	**	5		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Side Yard</i>						
		<i>Explanation : 120 Gallons Rated Capacity</i>						
Lighting								
Interior Lighting								
Fluorescent	25%			2038	**	10	\$1,400	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : T-8 Lamps</i>						
LED	75%			2041	**			
Egress Lighting								
Emergency, Service	50%			2041	**	1		
Exit, LED	50%			2068	**	1		
Exterior Lighting								
HID	30%			2033	\$8,400	10		
No Component	70%							
Alarm								
Security System								
Generic	100%			2033	\$11,200	1	\$2,300	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Outside Perimeter</i>						
		<i>Explanation : CCTV Surveillance Cameras</i>						

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 321
Asset # : 13206

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment Steam Boiler	100%			2046	**	1	\$6,100	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Boiler</i>								
Distribution Steam Piping/Pump	100%			2043	**			
Terminal Devices Convactor/Radiator	100%			2038	**	1	\$2,000	
Air Conditioning								
Energy Source Electricity	100%			2049	**	1		
Conversion Equipment Split Unit	20%			2038	**			
<i>R-410a Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1 Unit On Roof</i>								
Window/Wall Unit No Component	40%			2028	\$9,100	1		
Terminal Devices Fan Coil - 2 Pipe No Component	20%			2038	**	1	\$400	
	80%							
Heat Rejection Air Cooled Condenser Unit No Component	20%			2038	**	2	\$900	
	80%							
Ventilation								
Distribution Ductwork/Diffusers No Component	30%			LIFE	**	2-5	\$1,600	
	70%							
Exhaust Fans Interior Roof Wall Unit No Component	20%			2038	**	2		
	10%			2033	\$1,200	2		
	10%			2033	\$300	2		
	60%							
Plumbing								
H/C Water Piping Brass/Copper	100%	0-2	\$1,500	2043	**	1		
<i>Not Insulated, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Water Heater With Tanks Gas Fired	100%			2028	\$33,400	2		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallons Units</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 321
Asset # : 13206

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2026	\$200	4	\$200
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Generic	100%			2028	\$79,700	1-3	\$80,900
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : 1 Set Covers 20 Square Feet</i>					

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 323
Address : 6405 AVENUE N
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.323 / 13207 **Yr Built/Renovated** : 1932 / 2007
Area Sq Ft : 6,802 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Nov-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 8364 **Lot** : 6 **BIN** : 3235919

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$79,200	
Interior Architecture	\$682,200	
Electrical		\$63,500
Mechanical		\$157,000
Total	\$761,400	\$220,600
Importance Code A	\$79,200	
Importance Code B	\$682,200	\$220,600
Total	\$761,400	\$220,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$31,900		\$1,300	
Interior Architecture	\$113,200		\$200	\$2,600
Electrical	\$2,500	\$700	\$3,100	\$800
Mechanical	\$28,700	\$5,900	\$6,300	\$19,800
Total	\$176,300	\$6,700	\$10,900	\$23,200
Importance Code A	\$32,600	\$700	\$2,000	\$700
Importance Code B	\$119,000	\$6,000	\$9,000	\$20,300
Importance Code C	\$24,700			\$2,300
Total	\$176,300	\$6,700	\$10,900	\$23,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 323
Asset # : 13207

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	3%			LIFE	**	5	\$10,600	
Masonry: Brick	87%	Now	\$79,200	LIFE	**	5	\$19,700	
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Side Facades And Rear Facades</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Side Facades And Rear Facades</i>								
Masonry: Granite	5%			LIFE	**	5	\$1,700	
Wood Overhead Doors	5%	Now	\$9,500	2038	**	5	\$2,800	
<i>Paint Peeling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
<i>Split/Cracked, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Front Of Building</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Of Building</i>								
Windows								
Aluminum	100%			2049	**	5	\$2,000	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$7,100	
Masonry: Brick	45%			LIFE	**	5-10	\$7,700	
Masonry: Granite	5%			LIFE	**	5-10	\$1,700	
Stucco Cement	40%			2046	**	5	\$2,600	
Roof								
Modified Bitumen	100%	4+	\$1,900	2038	**			
<i>Ponding, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Lower Roof</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 323
Asset # : 13207

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	53%	Now	\$420,800	LIFE	**	5	\$11,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Steel Columns And Beams Shoring Up Apparatus Floor From Basement Below</i>								
Quarry Tile	2%	Now	\$700	2046	**	5	\$100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Terrazzo	3%	Now	\$5,200	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	20%	Now	\$51,600	2043	**	3	\$700	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen, House Watch</i>								
Vinyl Tile	20%			2041	**	3	\$700	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Vinyl Tile 9" X 9"	2%	Now	\$33,000	2043	**	3	\$100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : House Watch, Basement</i>								
Interior Walls								
Cast in Place Concrete	20%			LIFE	**	10	\$6,600	
Ceramic Tile	35%			2042	**	5	\$4,600	
Marble Panels	5%	Now	\$5,700	LIFE	**			
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	40%	Now	\$12,500	LIFE	**	5	\$1,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Ladder To Roof</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Ladder To Roof</i>								
Ceilings								
AcousTileSusp.Lay-In	10%	Now	\$15,500	2053	**	5	\$500	
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen, House Watch</i>								
Exposed Struc: Concrete	50%	Now	\$209,800	LIFE	**	5	\$700	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Plaster	40%	Now	\$34,100	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Ladder To Roof</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 323
Asset # : 13207

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2043	**			
Free Standing Walls								
Concrete Masonry Unit	100%			2043	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	**			
On-Site Walkways								
Cast in Place Concrete	100%			2053	**			
Parking/Driveway								
Cast in Place Concrete	100%			2053	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2033	\$14,700	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
Raceway								
Conduit	100%			2033	\$36,000	1		
Panelboards								
Fused Disc Sw	10%			2032	\$4,800	5		
Molded Case Bkrs	90%			2032	\$43,600	5	\$200	
Wiring								
Thermoplastic	100%			2033	\$32,500	1		
Motor Controllers								
Locally Mounted	100%			2031	\$17,800	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2038	**	1	\$2,100	
Generators								
Diesel	100%			2036	**	1	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : Emergency Generator Rated At 40 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2026	\$2,400	5	\$300	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 323
Asset # : 13207

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Fuel Storage								
Main Tank	100%			2048	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : 50 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
Fluorescent	25%			2028	\$14,400	10	\$1,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
LED	75%			2038	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floor</i>								
<i>Explanation : LED Light Fixtures</i>								
Egress Lighting								
Emergency, Service	100%			2033	\$4,100	1		
Exterior Lighting								
HID	10%			2028	\$3,100	10		
LED	10%			2038	**			
No Component	80%							
Alarm								
Security System								
Generic	100%			2038	**	1	\$2,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front And Right Side Of The Building</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Steam Boiler	100%			2046	**	1	\$6,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Steam Piping/Pump	100%			2043	**			
Terminal Devices								
Convactor/Radiator	100%			2046	**	1	\$2,200	
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 323
Asset # : 13207

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Reciprocating Compr/Chiller	15%			2038	**	1	\$500
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Roof</i>				
				<i>Explanation : 1 Unit, R-410a</i>				
	Split Unit	5%			2038	**		
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Roof</i>				
				<i>Explanation : 1 Unit, R-410a</i>				
	Window/Wall Unit	30%	0-2	\$3,800	2028	\$7,600	1	
				<i>Malfunctioning, Extent : Moderate, Area Affected : 5%</i>				
				<i>Location : 2nd Floor</i>				
	No Component	50%						
Terminal Devices								
	Fan Coil - 2 Pipe	20%			2038	**	1	\$400
	No Component	80%						
Heat Rejection								
	Dry Cooler	20%			2038	**	2	\$900
	No Component	80%						
Ventilation								
Distribution								
	Ductwork/Diffusers	25%			LIFE	**	2-5	\$1,500
	No Component	75%						
Exhaust Fans								
	Interior	15%			2038	**	2	
	Roof	10%			2033	\$1,300	2	
	Wall Unit	25%			2038	**	2	\$100
	No Component	50%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2033	\$85,300	1	
Water Heater With Tanks								
	Gas Fired	100%			2031	\$33,400	2	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : 2 Units. 75 Gallons</i>				
Sanitary Piping								
	Cast Iron	100%	0-2	\$8,400	LIFE	**	1	
				<i>Blockage /Clogged, Extent : Moderate, Area Affected : 15%</i>				
				<i>Location : Frequent Water Backs Up To Kitchen And Apparatus Floor</i>				
Sump Pump(s)								
	Submersible	100%	0-2	\$4,000	2027	\$8,100	4	\$100
				<i>Broken, Extent : Severe, Area Affected : 100%</i>				
				<i>Location : Basement. Sump Pump Broken</i>				
Fixtures								
	Generic	100%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 323
Asset # : 13207

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Fire Suppression Chemical System Generic	100%			2028	\$71,700	1-3	\$72,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen Fire Suppression 18 Square Feet</i>								
<i>Explanation : 1 Set</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 324
Address : 108-01 HORACE HARDING EXP.
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.324 / 13208 **Yr Built/Renovated** : 1939 /
Area Sq Ft : 5,952 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Mar-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1964 **Lot** : 65 **BIN** : 4048310

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$124,400	
Interior Architecture		\$98,500
Electrical		\$127,000
Mechanical		\$79,700
Site Pavements	\$54,100	
Total	\$178,500	\$305,200
Importance Code A	\$124,400	\$63,500
Importance Code B		\$241,700
Importance Code C	\$54,100	
Total	\$178,500	\$305,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$47,600	\$2,900		
Interior Architecture	\$55,100			\$800
Electrical	\$600	\$400	\$400	\$2,900
Mechanical	\$23,600	\$12,900	\$10,800	\$6,400
Site Enclosure	\$10,400			
Total	\$137,300	\$16,300	\$11,200	\$10,100
Importance Code A	\$48,200	\$3,500	\$600	\$600
Importance Code B	\$72,800	\$12,700	\$10,600	\$9,400
Importance Code C	\$16,400			\$100
Total	\$137,300	\$16,300	\$11,200	\$10,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 324
Asset # : 13208

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	82%	Now	\$124,400	LIFE	**	5	\$15,500	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Foundation, Exterior Wall Near Stairs</i>								
Masonry: Granite	3%			LIFE	**	5	\$800	
Masonry: Limestone	5%	Now	\$14,500	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Metal Sect. OHD	10%			2050	**	5	\$5,900	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Overhead Door</i>								
Roof								
Asphalt Shingle	100%	Now	\$28,400	2042	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Roof</i>								
<i>Gut/DS Non Func/Miss, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Bunker Room At Gutter Location</i>								
Soffits								
Wood	100%	4+	\$4,200	2046	**	5	\$9,900	
<i>Dry Rot/Decay, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Cornice Overhang</i>								
Interior								
Floors								
Cast in Place Concrete	50%	4+	\$7,600	LIFE	**	5	\$10,000	
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement Floor</i>								
Ceramic Tile	5%			2042	**	5	\$500	
Terrazzo	5%			LIFE	**	5	\$700	
Vinyl Tile	40%			2033	\$98,500	3	\$1,800	
Interior Walls								
Ceramic Tile	5%			2042	**	5	\$200	
Gypsum Board	5%			LIFE	**	5-10	\$400	
Masonry: Brick	10%			LIFE	**	10	\$100	
Plaster	45%	Now	\$5,000	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Window At Roof Access, Stairway</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Window At Roof Access</i>								
Plywood/Hardboard	10%			LIFE	**	10		
SGFT/Glazed Masonry	25%			LIFE	**	10	\$600	

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FIRE DEPARTMENT - 057
ENGINE CO. 324
Asset # : 13208

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileSusp.Lay-In	10%	0-2	\$3,000	2038	**	5	\$500	
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Staining/Discoloring, Extent : Moderate, Area Affected : 25%

Location : Kitchen, Throughout

Worn/Eroded, Extent : Severe, Area Affected : 100%

Location : Kitchen, Throughout

Exposed Struc: Concrete	25%			LIFE	**	5-10	\$2,900	
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Other Observation, Extent : N/A, Area Affected : 10%

Location : Basement Floor

Explanation : Temporary Support Columns For Apparatus Floor

Plaster	65%	0-2	\$35,200	LIFE	**	5	\$3,700	
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Cracking/Crumbling, Extent : Moderate, Area Affected : 5%

Location : Bathroom, Apparatus Area

Site Enclosure

Fence/Gates

Chain Link	10%			2059	**			
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Chain Link	90%	0-2	\$10,400	2053	**			
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Broken/Missing Elements, Extent : Moderate, Area Affected : 10%

Location : Throughout

Corrosion/Rusting, Extent : Moderate, Area Affected : 80%

Location : Throughout

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2046	**			
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On-Site Walkways

Cast in Place Concrete	100%			2038	**			
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Parking/Driveway

Cast in Place Concrete	100%	Now	\$54,100	2046	**			
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Cracking/Crumbling, Extent : Severe, Area Affected : 10%

Location : Rear Parking

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room Basement

Explanation : Two 200 Ampere Main Disconnect Switches

Switchgear / Switchboard

Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
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Raceway

Conduit	100%			2033	\$36,000	1		
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FIRE DEPARTMENT - 057
ENGINE CO. 324
Asset # : 13208

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Fused Disc Sw	5%			2032	\$2,400	5		
Molded Case Bkrs	95%			2032	\$46,000	5	\$100	
Wiring								
Thermoplastic	100%			2033	\$32,500	1		
Motor Controllers								
Locally Mounted	100%			2031	\$17,800	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2046	**	1	\$1,800	
Generators								
Diesel	100%			2042	**	1	\$2,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Backyard</i>								
<i>Explanation : One 40 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2027	\$2,400	5	\$200	
Fuel Storage								
Main Tank	100%			2061	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Outside</i>								
<i>Explanation : One 50 Gallons Capacity</i>								
Lighting								
Interior Lighting								
Fluorescent	98%			2033	\$49,500	10	\$5,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
LED	2%			2038	**			
Egress Lighting								
Emergency, Service	50%			2028	\$1,800	1		
Exit, LED	50%			2061	**	1		
Exterior Lighting								
HID	30%			2028	\$8,100	10		
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 324
Asset # : 13208

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment Steam Boiler	100%			2038	**	1	\$5,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
<hr/>								
Distribution Steam Piping/Pump	100%	0-2	\$2,300	2033	\$46,600			
<i>Corroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Return Line In Basement</i>								
<hr/>								
Terminal Devices Convactor/Radiator	100%	0-2	\$1,000	2038	**	1	\$1,700	
<i>Not in Service, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bunker Room</i>								
<hr/>								
Air Conditioning								
Energy Source Electricity	100%			2041	**	1		
<hr/>								
Conversion Equipment Split Unit	15%			2033	\$20,700			
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : One Unit In Back Yard</i>								
<hr/>								
Window/Wall Unit	20%	0-2	\$4,400	2033	\$4,400	1		
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Various Locations</i>								
<hr/>								
Window/Wall Unit No Component	20%			2026	\$4,400	1		
<hr/>								
Terminal Devices Fan Coil - 2 Pipe	15%	0-2	\$1,500	2033	\$14,600	1	\$300	
<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Condensate Leaks To The Gymnasium Ceiling</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : On Top Of The Gymnasium Ceiling.</i>								
<i>Explanation : Inefficient Unit With Mechanical Defect. Not Enough Space To Replace The Air Filters.</i>								
<hr/>								
No Component	85%							
<hr/>								
Heat Rejection								
Air Cooled Condenser Unit	15%			2033	\$1,400	2	\$600	
<hr/>								
No Component	85%							
<hr/>								
Ventilation								
Distribution Ductwork/Diffusers	15%	0-2	\$1,900	LIFE	**	2-5	\$500	
<i>Unbalanced System, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen. Waiting And Television Room On 1st Floor.</i>								
<hr/>								
No Component	85%							
<hr/>								

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FIRE DEPARTMENT - 057
ENGINE CO. 324
Asset # : 13208

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Exhaust Fans								
Interior	15%			2033	\$3,900	2		
Wall Unit	20%	0-2	\$500	2043	**	2		
	<i>Abandoned in Place, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Apparatus Floor</i>							
No Component	65%							
Plumbing								
H/C Water Piping								
Brass/Copper	3%	0-2	\$2,200	2063	**	1		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Obsolete Water Main Valve</i>							
Brass/Copper	97%			2043	**	1		
Water Heater With Tanks								
Gas Fired	100%			2028	\$16,700	2		
Sanitary Piping								
Cast Iron	100%	0-2	\$3,700	LIFE	**	1		
	<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>							
	<i>Location : Causes Flooding In Front Basement</i>							
	<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : From 2nd Floor Bathrooms To The Apparatus Floor.</i>							
Sump Pump(s)								
Submersible	50%	0-2	\$100	2028	\$100	4	\$100	
	<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : From Basement</i>							
No Component	50%							
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2031	\$79,700	1-3	\$74,400	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Kitchen</i>							
	<i>Explanation : 1 Set</i>							

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 325/LADDER 163
Address : 41-24 51st STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.325 / 13209 **Yr Built/Renovated** : 1939 / 2012
Area Sq Ft : 5,940 **Project Type** : FIRE DEPARTMENT
Date of Survey : 01-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 131 **Lot** : 31 **BIN** : 4000979

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$89,600	
Interior Architecture		\$241,600
Total	\$89,600	\$241,600
Importance Code A	\$89,600	
Importance Code B		\$241,600
Total	\$89,600	\$241,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$32,600			\$12,400
Interior Architecture	\$19,800	\$200	\$200	
Electrical	\$400	\$3,000	\$400	\$500
Mechanical	\$7,600	\$1,300	\$2,100	\$6,300
Site Pavements	\$13,100			
Total	\$73,600	\$4,500	\$2,600	\$19,300
Importance Code A	\$33,100	\$600	\$500	\$13,000
Importance Code B	\$20,900	\$3,900	\$2,200	\$6,300
Importance Code C	\$19,600			
Total	\$73,600	\$4,500	\$2,600	\$19,300



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FIRE DEPARTMENT - 057
ENGINE CO. 325/LADDER 163
Asset # : 13209

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	85%			LIFE	**	5	\$25,000	
<i>Recent Repair Evident, Extent : N/A, Area Affected : 60%</i>								
<i>Location : All Facades</i>								
Masonry: Granite	3%			LIFE	**	5	\$700	
Masonry: Limestone	7%			LIFE	**	5	\$1,500	
Wood Overhead Doors	5%			2037	**	5	\$7,400	
Windows								
Aluminum	100%	Now	\$32,600	2054	**	5	\$700	
<i>Unit Inoperable, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	85%	Now	\$89,600	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Parapet Wall</i>								
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Interior Face</i>								
Masonry: Brownstone	10%			LIFE	**	5	\$700	
Masonry: Limestone	5%			LIFE	**	5	\$200	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Coping</i>								
Roof								
Built-Up (BUR)	100%			2037	**	10	\$8,800	
Interior								
Floors								
Cast in Place Concrete	65%			LIFE	**	5	\$13,300	
Vinyl Tile	20%			2037	**	3	\$700	
Vinyl Tile 9" X 9"	15%			2032	\$241,600	3	\$500	
Interior Walls								
Cast in Place Concrete	15%			LIFE	**			
Gypsum Board	10%			LIFE	**	5	\$800	
Plaster	35%	Now	\$10,700	LIFE	**	5	\$1,300	
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Roof Access And Bulkhead</i>								
SGFT/Glazed Masonry	40%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	10%	Now	\$9,100	2052	**	5	\$500	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Kitchen</i>								
Exposed Struc: Steel	25%			LIFE	**			
Plaster	65%			LIFE	**	5	\$3,800	
<i>Recent Repair Evident, Extent : N/A, Area Affected : 30%</i>								
<i>Location : Stair</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2042	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 325/LADDER 163
Asset # : 13209

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Enclosure

Free Standing Walls

Cast in Place Concrete	100%			2052		**		
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%	Now	\$4,300	2045		**		
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 10%**Location : Front Of Building 51st Street*

On-Site Walkways

Cast in Place Concrete	100%	0-2	\$8,900	2037		**		
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 10%**Location : Side Yard**Misaligned/Bulging, Extent : Moderate, Area Affected : 30%**Location : Rear Of Building*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2042		**	5	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 200 Ampere Main Disconnect Switch*

Switchgear / Switchboard

Molded Case Bkrs	100%			2042		**	5	\$200
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Raceway

Conduit	100%			2042		**	1	
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Panelboards

Fused Disc Sw	5%			2040		**	5	
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Molded Case Bkrs	95%			2040		**	5	\$100
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Wiring

Thermoplastic	100%			2042		**	1	
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Motor Controllers

Locally Mounted	100%			2037		**	5	
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Ground

Grounding Devices

Generic	100%			LIFE		**	5	\$100
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Stand-by Power

Transfer Switches

Automatic	100%			2037		**	1	\$1,800
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Generators

Diesel	100%			2035		**	1	\$2,300
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Rear Side Of The Building**Explanation : Emergency Generator Rated At 60 Kilowatts*

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FIRE DEPARTMENT - 057
ENGINE CO. 325/LADDER 163
Asset # : 13209

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Batteries								
Lead/Acid	100%			2025	\$2,400	5	\$200	
Fuel Storage								
Day Tank	50%			2040	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Generator Room Outside</i>						
		<i>Explanation : One 125 Gallons</i>						
Main Tank	50%			2035	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 500 Gallons</i>						
Lighting								
Interior Lighting								
LED	100%			2040	**			
Egress Lighting								
Emergency, Service	60%			2040	**	1		
No Component	40%							
Exterior Lighting								
LED	20%			2040	**			
No Component	80%							
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Electricity	20%			2042	**	1		
Natural Gas	80%			2052	**	1		
Conversion Equipment								
Radiant Heater	20%			2037	**	2	\$600	
Steam Boiler	80%			2045	**	1	\$4,700	
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$700	
Steam Piping/Pump	80%	0-2	\$1,900	2042	**			
		<i>Steam Traps Faulty, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Throughout</i>						
Terminal Devices								
Convactor/Radiator	60%			2037	**	1	\$1,200	
Fan Coil Unit/Heat	20%			2032	\$28,800	1	\$400	
No Component	20%							
Air Conditioning								
Energy Source								
Electricity	100%			2048	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 325/LADDER 163
Asset # : 13209

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Air Conditioning								
Conversion Equipment								
	Exterior Pkg Unit - Cooling	30%			2040	**	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 Unit. R-410a Refrigerant</i>								
	Window/Wall Unit	20%			2027	\$4,400	1	
	No Component	50%						
Distribution								
	Ductwork/Diffusers	30%			LIFE	**	2	\$2,300
	No Component	70%						
Ventilation								
Distribution								
	Ductwork/Diffusers	40%			LIFE	**	2-5	\$1,300
	No Component	60%						
Exhaust Fans								
	Roof	40%			2037	**	2	\$100
	Wall Unit	10%			2032	\$300	2	
	No Component	50%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2052	**	1	
Water Heater With Tanks								
	Gas Fired	100%			2030	\$16,700	2	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two Units</i>								
Sanitary Piping								
	Cast Iron	100%	Now	\$3,700	LIFE	**	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Front Entrance Of Apparatus Floor</i>								
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2024	\$200	4	\$200
<i>On Extended Life, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fixtures								
	Generic	100%						
Fire Suppression								

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FIRE DEPARTMENT - 057
ENGINE CO. 325/LADDER 163
Asset # : 13209

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Chemical System							
	No Component	90%						
	Generic	10%			2030	\$8,000	1-3	\$8,100
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 326/LADDER 160
Address : 64-04 SPRINGFIELD BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.326 / 13210 **Yr Built/Renovated** : 1984 /
Area Sq Ft : 8,862 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Oct-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 7621 **Lot** : 12 **BIN** : 4162454

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture	\$165,300	
Electrical		\$276,100
Mechanical	\$79,700	\$56,600
Total	\$245,000	\$332,700
Importance Code A		\$63,500
Importance Code B	\$245,000	\$269,200
Total	\$245,000	\$332,700

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$25,600			
Interior Architecture	\$15,400	\$6,000	\$500	\$500
Electrical	\$8,700	\$600	\$600	\$700
Mechanical	\$41,100	\$6,200	\$6,600	\$12,700
Site Enclosure			\$100	
Site Pavements	\$49,300			
Total	\$140,000	\$12,800	\$7,900	\$13,900
Importance Code A	\$26,000	\$400	\$400	\$400
Importance Code B	\$62,200	\$12,300	\$7,300	\$13,300
Importance Code C	\$51,800		\$100	\$100
Total	\$140,000	\$12,800	\$7,900	\$13,900



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FIRE DEPARTMENT - 057
ENGINE CO. 326/LADDER 160
Asset # : 13210

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick Cavity	80%			LIFE	**	5	\$19,000	
Mosaic Tile	2%			2053	**	10	\$700	
Window Wall	3%			2053	**	5	\$1,300	
Wood Overhead Doors	15%	2-4	\$2,500	2046	**	5	\$4,500	
<i>Deteriorated Finish, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Overhead Door</i>								
Windows								
Aluminum	100%	Now	\$4,200	2041	**	5	\$200	
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Blue Room And Locker Room</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Bunkroom</i>								
Parapets								
Cast Stone/Terra Cotta	20%	Now	\$2,300	LIFE	**	5	\$1,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Parking Lot Side Parapet</i>								
Masonry: Brick	80%			LIFE	**	5-10	\$5,600	
Roof								
Asphalt Shingle	10%			2042	**	10	\$200	
Modified Bitumen	88%	0-2	\$2,300	2041	**			
<i>Drains Clogged, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Lower Roof Drain</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Lower Roof</i>								
Skylight, Plastic	2%			2046	**	1		
Soffits								
Gypsum Board: Exterior Grade	100%			LIFE	**			
Interior								
Floors								
Cast in Place Concrete	50%	2-4	\$165,300	LIFE	**	5	\$14,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Apparatus Room</i>								
Ceramic Tile	5%			2042	**	5	\$700	
Panel/Paver: Cer/Brk	40%			2055	**	5	\$11,900	
Quarry Tile	5%			2046	**	5	\$1,000	
Interior Walls								
Cast in Place Concrete	10%			LIFE	**	10	\$1,500	
Ceramic Tile	5%			2042	**	5	\$300	
Concrete Masonry Unit	45%			LIFE	**	5	\$2,100	
SGFT/Glazed Masonry	40%			LIFE	**	10	\$1,200	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 326/LADDER 160
Asset # : 13210

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	40%	Now	\$4,300	2046	**	5	\$2,700	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Around Air Vents Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Around Air Vents Throughout</i>								
Exposed Struc: Steel	10%			LIFE	**	10	\$2,700	
Gypsum Board	25%	Now	\$1,100	LIFE	**	5	\$4,100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Apparatus Floor Ceiling</i>								
Plaster	25%			LIFE	**	5-10	\$5,700	
Site Enclosure								
Fence/Gates								
Aluminum Rail	2%			2046	**	5-10	\$200	
<i>Other Observation, Extent : Light, Area Affected : 2%</i>								
<i>Location : Roof</i>								
<i>Explanation : On Roof Adjacent To Parapet</i>								
Chain Link	98%			2053	**			
Retaining Walls								
Cast in Place Concrete	100%			2068	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	0-2	\$1,200	2046	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : By Driveway</i>								
On-Site Walkways								
Cast in Place Concrete	100%			2046	**			
Parking/Driveway								
Asphalt	90%	Now	\$48,100	2042	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Parking Lot</i>								
<i>Sinking/Subsiding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Parking Lot</i>								
Cast in Place Concrete	10%			2046	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 326/LADDER 160
Asset # : 13210

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
Raceway								
Conduit	100%			2033	\$36,000	1		
Panelboards								
Fused Disc Sw	5%			2032	\$2,400	5		
Molded Case Bkrs	95%			2032	\$46,000	5	\$200	
Wiring								
Thermoplastic	100%			2033	\$32,500	1		
Motor Controllers								
Locally Mounted	100%			2031	\$17,800	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$300	
Stand-by Power								
Transfer Switches								
Automatic	100%			2031	\$12,900	1	\$2,700	
Generators								
Diesel	100%			2029	\$99,500	1	\$3,400	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : One 30 Kilowatts</i>					
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$300	
Fuel Storage								
Day Tank	50%			2032	\$12,500	5		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Generator Room Basement</i>					
			<i>Explanation : One 75 Gallons</i>					
Main Tank	50%			2036	**	5		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : One 550 Gallons</i>					
Lighting								

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FIRE DEPARTMENT - 057
ENGINE CO. 326/LADDER 160
Asset # : 13210

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting								
Fluorescent	66%			2028	\$49,600	10	\$5,400	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement, 3rd Floor And Offices</i>							
	<i>Explanation : T-12 Lamps</i>							
Fluorescent	30%			2038	**	10	\$2,400	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : 3rd Floor And Locker Room</i>							
	<i>Explanation : T-8 Lamps</i>							
Fluorescent	2%			2038	**	10	\$200	
	<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Kitchen</i>							
LED	2%			2041	**			
Egress Lighting								
Emergency, Service	40%			2028	\$2,100	1		
Emergency, Service	20%			2038	**	1		
Exit, Service	40%			2028	\$1,500	1		
Exterior Lighting								
HID	16%			2028	\$6,500	10		
HID	4%			2041	**	10		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2038	**	1	\$4,400	
	<i>Other Observation, Extent : N/A, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 1 Unit</i>							
Distribution								
Hot Wtr Piping/Pump	100%	0-2	\$400	2041	**	4	\$400	
	<i>Insul. Deteriorating, Extent : Light, Area Affected : 10%</i>							
	<i>Location : On Top Of The Boiler, Basement</i>							
Terminal Devices								
Convactor/Radiator	80%			2031	\$56,600	1	\$2,300	
Unit Heater - Hot Water	20%			2028	\$10,300			
Air Conditioning								
Energy Source								
Electricity	100%			2041	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 326/LADDER 160
Asset # : 13210

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Exterior Pkg Unit - Cooling	45%	0-2	\$2,100	2033	\$42,700	2	\$200	
<i>R-134a Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3 Units, Roof</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Inefficient Units</i>								
Window/Wall Unit	30%			2028	\$9,800	1		
No Component	25%							
Ventilation								
Distribution								
Ductwork/Diffusers	50%	0-2	\$19,000	LIFE	**	2-5	\$2,500	
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Inside The Ceiling, Various Locations.</i>								
No Component	50%							
Exhaust Fans								
Roof	50%			2038	**	2	\$100	
Wall Unit	25%			2028	\$900	2	\$100	
No Component	25%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2043	**	1		
Water Heater With Tanks								
Gas Fired	100%			2028	\$33,400	2		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	10%	Now	\$6,500	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Parking Lot To Street Sewage, Causing Water Backup In Basement And Parking Lot.</i>								
Cast Iron	90%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2024	\$300	4	\$300	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	90%							
Generic	10%			2033	\$12,000	1-2	\$300	

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FIRE DEPARTMENT - 057
ENGINE CO. 326/LADDER 160
Asset # : 13210

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Chemical System							
	Generic	100%			2026	\$79,700	1-3	\$80,900
<i>Other Observation, Extent : N/A, Area Affected : 100%</i> <i>Location : Kitchen, Covers 20 Square Feet.</i> <i>Explanation : 1 Set</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 329
Address : 402 BEACH 169th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.329 / 13211 **Yr Built/Renovated** : 1961 /
Area Sq Ft : 7,076 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-Mar-2022 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 16325 **Lot** : 100 **BIN** : 4307098

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$133,100	
Interior Architecture		\$100,000
Electrical		\$127,000
Mechanical		\$370,800
Total	\$133,100	\$597,800
Importance Code A	\$133,100	\$63,500
Importance Code B		\$534,300
Total	\$133,100	\$597,800

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$69,300			
Interior Architecture	\$131,700		\$500	\$700
Electrical	\$19,900			
Mechanical	\$25,700	\$4,600	\$4,900	\$9,400
Site Enclosure	\$48,100			
Site Pavements	\$2,000			
Total	\$296,700	\$4,600	\$5,500	\$10,200
Importance Code A	\$69,700	\$400	\$400	\$400
Importance Code B	\$166,600	\$4,200	\$5,100	\$9,800
Importance Code C	\$60,400			
Total	\$296,700	\$4,600	\$5,500	\$10,200



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**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 329
Asset # : 13211

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	88%	Now	\$133,100	LIFE	**	5	\$16,500	
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor Veranda, East Facade, Stair Bulkhead And Above Windows</i>								
Metal Panel	2%			2043	**	5-10	\$2,600	
Metal Sect. OHD	10%			2038	**	5	\$5,900	
Windows								
Aluminum	100%	Now	\$4,400	2049	**	5	\$200	
<i>Air Infiltration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$3,900	
Masonry: Brick	90%	Now	\$46,200	LIFE	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Corners</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Veranda</i>								
Roof								
IRMA/Protected Membrane	25%			2038	**	10	\$2,500	
<i>Paver Block Ballast, Extent : Light, Area Affected : 100%</i>								
<i>Location : Over First Floor</i>								
Modified Bitumen	75%	Now	\$15,900	2038	**			
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Front Over Officer Bunkroom</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 329
Asset # : 13211

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	40%	4+	\$17,600	LIFE	**	5	\$9,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2036	**	5	\$500	
Quarry Tile	5%	2-4	\$800	2038	**	5	\$400	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	35%	Now	\$20,000	2028	\$100,000	3	\$1,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
Vinyl Tile 9" X 9"	15%	2-4	\$27,400	2043	**	3	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Patching Evident, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**	10	\$800	
Ceramic Tile	5%	Now	\$400	2036	**	5	\$100	
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor Bathroom</i>								
Concrete Masonry Unit	10%			LIFE	**	5	\$300	
Plaster	45%	Now	\$10,500	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor Throughout</i>								
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor Bathroom</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Stairwell, Officer Locker Room And Bunkroom And 2nd Floor Sitting Room</i>								
SGFT/Glazed Masonry	30%			LIFE	**	10	\$500	
Ceilings								
AcousTileSusp.Lay-In	5%			2046	**	5	\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor</i>								
Exposed Struc: Concrete	35%			LIFE	**	5-10	\$4,600	
Gypsum Board	10%			LIFE	**	5-10	\$3,600	
Plaster	50%	Now	\$47,200	LIFE	**	5	\$3,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Underside Of Basement Stair</i>								
<i>Spalling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Apparatus Room And 2nd Floor</i>								
Site Enclosure								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 329
Asset # : 13211

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Site Enclosure								
Fence/Gates								
Chain Link	100%	0-2	\$48,100	2053		**		
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	\$2,000	2046		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
On-Site Walkways								
Cast in Place Concrete	100%			2046		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2046		**		
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : No Available Nameplate Rating Capacity</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
Raceway								
Conduit	100%			2033	\$36,000	1		
Panelboards								
Molded Case Bkrs	50%			2032	\$24,200	5	\$100	
Molded Case Bkrs	50%			2041	**	5	\$100	
Wiring								
Braided Cloth	30%	2-4	\$9,800	2058		**	1	
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	70%			2033	\$22,800	1		
Ground								
Grounding Devices								
Generic	100%	2-4	\$10,200	LIFE		**	5	\$100
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Lighting								
Interior Lighting								
LED	100%			2038		**		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 329
Asset # : 13211

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting

LED	20%			2038	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas	100%			2053	**	1		
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Conversion Equipment

Furnace	20%			2038	**	1	\$700	
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Roof

Explanation : 1 Unit

Hot Water Boiler	80%			2038	**	1	\$2,800	
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : 1 Unit

Distribution

Hot Wtr Piping/Pump	80%	0-2	\$600	2041	**	4	\$300	
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Insul. Deteriorating, Extent : Moderate, Area Affected : 30%

Location : Basement And Apparatus Floor

No Component	20%							
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Terminal Devices

Convactor/Radiator	50%			2031		1	\$1,100	
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Unit Heater - Steam	30%			2028		4	\$300	
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No Component	20%							
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Air Conditioning

Energy Source

Electricity	100%			2041	**	1		
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Conversion Equipment

Window/Wall Unit	40%	0-2	\$5,200	2028	\$10,500	1		
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Not Energy Efficient, Extent : Moderate, Area Affected : 50%

Location : Various Locations

On Extended Life, Extent : Moderate, Area Affected : 50%

Location : Various Locations

No Component	60%							
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Ventilation

Distribution

Ductwork/Diffusers	50%			LIFE	**	2-5	\$3,100	
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No Component	50%							
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 329
Asset # : 13211

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
Exhaust Fans								
Roof	30%	Now	\$1,600	2033	\$4,000	2	\$100	
	<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Kitchen Hood And Others, Roof</i>							
Roof	20%			2038	**	2		
Wall Unit	50%	0-2	\$1,500	2043	**	2	\$100	
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Apparatus Floor</i>							
	<i>Explanation : 2 Obsolete Units</i>							
Plumbing								
H/C Water Piping								
Brass/Copper	10%	Now	\$1,800	2043	**	1		
	<i>Other Observation, Extent : Severe, Area Affected : 20%</i>							
	<i>Location : Kitchen</i>							
	<i>Explanation : Drinking Water Filtration Needed Due To Bad Water Quality Complain By The End Users.</i>							
Brass/Copper	90%			2043	**	1		
Water Heater With Tanks								
Gas Fired	50%			2032	\$16,700	2		
	<i>Other Observation, Extent : N/A, Area Affected : 100%</i>							
	<i>Location : Cellar Mechanical Room</i>							
	<i>Explanation : One 75 Gallon Heater</i>							
Solar	5%	0-2	\$3,100	2028	\$31,100	1		
	<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Broken Tubes. Roof</i>							
	<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Entire Solar System</i>							
Solar	45%			2028	\$279,900	1		
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2024	\$200	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	10%	Now	\$1,800	2028	\$6,000	1-3	\$5,200	
	<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Kitchen Hood</i>							
	<i>Other Observation, Extent : N/A, Area Affected : 100%</i>							
	<i>Location : Kitchen</i>							
	<i>Explanation : 1 Set Covers 15 Square Feet</i>							
Generic	90%			2028	\$53,800	1-3	\$54,600	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 33/ LADDER CO. 9
Address : 42 GREAT JONES STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.033 / 13021 **Yr Built/Renovated** : 1898 /
Area Sq Ft : 12,649 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-Nov-2018 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 531 **Lot** : 49 **BIN** : 1008526

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$51,800	
Electrical		\$111,900
Total	\$51,800	\$111,900
Importance Code A	\$51,800	
Importance Code B		\$111,900
Total	\$51,800	\$111,900

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$65,000	\$16,100	\$14,800	\$6,900
Interior Architecture	\$80,200	\$700		\$600
Electrical	\$3,700	\$10,500	\$900	\$900
Mechanical	\$22,900	\$35,500	\$2,700	\$1,700
Total	\$171,800	\$62,800	\$18,400	\$10,100
Importance Code A	\$66,200	\$17,400	\$16,000	\$8,200
Importance Code B	\$90,700	\$45,400	\$2,300	\$1,900
Importance Code C	\$14,900			
Total	\$171,800	\$62,800	\$18,400	\$10,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 33/ LADDER CO. 9
Asset # : 13021

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	65%			LIFE	**	5	\$28,900	
Masonry: Granite	5%	4+	\$18,700	LIFE	**	5	\$1,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Granite Panels Adjacent To Overhead Door Openings</i>								
Masonry: Limestone	10%			LIFE	**	5	\$3,300	
Metal Panel	5%			2040	**	5-10	\$15,300	
Metal Sect. OHD	10%			2047	**	5	\$13,900	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Overhead Door To Apparatus Area</i>								
Metal: Cage/Fence	5%			2035	**	5	\$9,700	
Windows								
Aluminum	50%			2038	**	5	\$1,300	
Wood	50%			2038	**	5	\$13,400	
Parapets								
Masonry: Brick	65%	Now	\$23,200	LIFE	**	5	\$900	
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Main Roof</i>								
<i>Parge/Tar Separating, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof Parapets</i>								
Masonry: Sandstone	15%	Now	\$17,900	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Coping Stones Have Failed And Need To Be Replaced.</i>								
Metal Cornice	20%			2045	**	10	\$800	
Roof								
Asphalt Shingle	20%			2026		10	\$400	
Copper/Terne	20%			2045	**	10	\$6,200	
Roll Roofing	60%	Now	\$5,200	2026		5	\$6,200	
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 3rd Floor Ceiling</i>								
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 33/ LADDER CO. 9
Asset # : 13021

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$13,400	LIFE	**	5	\$16,100	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Epoxy Paint Finish Is Cracking</i>								
Ceramic Tile	5%			2039	**	5	\$900	
Quarry Tile	5%			2035	**	5	\$1,400	
Vinyl Tile	25%	Now	\$27,200	2035	**	3	\$1,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd And 3rd Floors</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd And 3rd Floors</i>								
<i>Uneven Substrate, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd And 3rd Floors</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd And 3rd Floors</i>								
<i>Explanation : Vinyl Tiles Are Very Old, Deteriorated And Should Be Replaced.</i>								
Wood	25%	0-2	\$14,700	2045	**	5	\$4,300	
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Attic</i>								
Interior Walls								
Ceramic Tile	5%			2039	**	5	\$1,400	
Concrete Masonry Unit	5%			LIFE	**	5	\$500	
Gypsum Board	5%			LIFE	**	5	\$800	
Masonry: Brick	20%			LIFE	**			
Plaster	40%	Now	\$14,200	LIFE	**	5	\$3,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 3rd Floor East And West Walls</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 3rd Floor East And West Walls</i>								
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
Embossed Metal	75%	4+	\$9,600	LIFE	**	5	\$6,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : All Floors</i>								
Gypsum Board	5%			LIFE	**	5	\$1,200	
Masonry: Infill Arch	20%			LIFE	**			
Site Enclosure								
Retaining Walls								
Masonry: Brick	100%			2040	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2043	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 33/ LADDER CO. 9
Asset # : 13021

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Parking/Driveway

Cast in Place Concrete	100%			2043	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2040	**	5	\$100	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 400 Ampere Switch*

Switchgear / Switchboard

Fused Disc Sw	100%			2040	**	5	\$100	
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Raceway

Conduit	100%			2040	**	1		
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Panelboards

Molded Case Bkrs	75%			2038	**	5	\$300	
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Molded Case Bkrs	25%			2046	**	5	\$100	
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Wiring

Thermoplastic	100%			2040	**	1		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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Stand-by Power

Transfer Switches

Automatic	100%			2043	**	1	\$3,900	
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Generators

Diesel	100%			2039	**	1	\$4,900	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 62 Kilowatt Generator*

Batteries

Lead/Acid	100%			2024	\$2,600	5	\$500	
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Fuel Storage

Day Tank	100%			2046	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 75 Gallon Tank*

Lighting

Interior Lighting

Fluorescent	95%			2030	\$111,900	10	\$11,000	
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*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : Throughout The Building*

Incandescent	5%			2025	\$8,400	2		
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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 33/ LADDER CO. 9
Asset # : 13021

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Egress Lighting								
Exit, Service	20%			2025	\$1,200	1		
No Component	80%							
Exterior Lighting								
HID	50%			2035	**	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside Perimeter</i>								
<i>Explanation : Operated Via Timer And Switches</i>								
No Component	50%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source								
Natural Gas	100%			2040	**	1		
Conversion Equipment								
Steam Boiler	100%			2035	**	1	\$12,500	
Distribution								
Steam Piping/Pump	100%			2040	**			
Terminal Devices								
Convactor/Radiator	90%			2035	**	1	\$3,700	
Unit Heater - Steam	10%	Now	\$1,500	2030	\$7,700	4	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : No Controls</i>								

Air Conditioning

Energy Source								
Electricity	100%			2046	**	1		
Conversion Equipment								
Window/Wall Unit	30%			2025	\$15,400	1		
No Component	70%							

Ventilation

Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$7,100	
Exhaust Fans								
Roof	30%			2035	**	2	\$100	
Roof	60%			2035	**	2	\$200	
Roof	10%	Now	\$2,600	2040	**	2		
<i>Broken, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Kitchen Grill Hood Fan</i>								

Plumbing

H/C Water Piping								
Brass/Copper	100%			2040	**	1		
<i>Booster Pump w/Tank, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 33/ LADDER CO. 9
Asset # : 13021

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Water Heater With Tanks Gas Fired	100%			2025	\$18,300	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping Cast Iron	100%	Now	\$17,100	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Basement Sewage Backflow During Storms</i>								
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Fixtures Generic	100%							
Fire Suppression								
Chemical System No Component Generic	99%			2028	\$900	1-3	\$700	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 330/LADDER CO. 172
 Address : 2312 65th STREET BTWN W. 4TH ST - W. 5TH ST
 Borough : BROOKLYN Agency's Number : N/A
 Program / Asset # : FIRSECO.330 / 13212 Yr Built/Renovated : 1965 / 2012
 Area Sq Ft : 7,740 Project Type : FIRE DEPARTMENT
 Date of Survey : 20-Mar-2019 Landmark Status : NONE
 Areas Surveyed : Basement, Roof, Floors 1,2,Ph
 Block : 6580 Lot : 6 BIN : 3173419

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture	\$280,700	
Electrical		\$63,500
Mechanical		\$96,500
Total	\$280,700	\$160,000
Importance Code B	\$280,700	\$160,000
Total	\$280,700	\$160,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$9,400		\$22,200	
Interior Architecture	\$27,100		\$300	\$200
Electrical	\$6,800			
Mechanical	\$33,900	\$18,700	\$800	\$700
Total	\$77,200	\$18,700	\$23,300	\$900
Importance Code A	\$11,300	\$400	\$22,600	\$400
Importance Code B	\$65,700	\$18,300	\$700	\$500
Importance Code C	\$200			
Total	\$77,200	\$18,700	\$23,300	\$900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 330/LADDER CO. 172
Asset # : 13212

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	30%			2040	**	10	\$2,000	
Masonry: Brick	60%			LIFE	**	5	\$12,800	
Wood Overhead Doors	10%			2043	**	5	\$10,600	
Windows								
Aluminum	100%	Now	\$5,000	2038	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,000	
Masonry: Brick	90%			LIFE	**	5	\$1,100	
Roof								
Asphalt Shingle	30%			2039	**	10	\$500	
Modified Bitumen	40%	Now	\$4,400	2030	\$44,100			
<i>Debris Present, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Main Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Over Locker Room Area</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout Main Roof</i>								
Roll Roofing	30%			2026	\$19,600	5	\$5,200	
Soffits								
Stucco Cement	100%			2043	**	5		
Interior								
Floors								
Cast in Place Concrete	40%	0-2	\$7,200	LIFE	**	5	\$9,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
Ceramic Tile	5%			2039	**	5	\$500	
Quarry Tile	10%	Now	\$3,900	2043	**	5	\$800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Locker Area</i>								
Vinyl Tile	20%			2035	**	3	\$800	
Vinyl Tile 9" X 9"	15%	Now	\$5,600	2025	\$280,700	3	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Corridor And Bunk Room</i>								
Wood	10%			2058	**	5	\$2,000	
Interior Walls								
Cast in Place Concrete	5%			LIFE	**			
Ceramic Tile	10%			2039	**	5	\$500	
Concrete Masonry Unit	15%			LIFE	**	5	\$300	
Gypsum Board	15%			LIFE	**	5	\$400	
Plaster	10%			LIFE	**	5	\$100	
SGFT/Glazed Masonry	45%			LIFE	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 330/LADDER CO. 172
Asset # : 13212

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileSusp.Lay-In	20%	Now	\$1,800	2043	**	5	\$1,100
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Cracking/Crumbling, Extent : Moderate, Area Affected : 10%

Location : Throughout

Exposed Struc: Concrete	15%			LIFE	**	5	\$300
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Gypsum Board	15%			LIFE	**	5	\$2,000
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Plaster	50%	Now	\$8,100	LIFE	**	5	\$3,400
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Cracking/Crumbling, Extent : Moderate, Area Affected : 10%

Location : Apparatus Room And 2nd Floor Locker Room

Loose/Delam Surface, Extent : Moderate, Area Affected : 5%

Location : Apparatus Room And Locker Room

Water Penetration, Extent : Moderate, Area Affected : 5%

Location : Locker Room On 2nd Floor

Site Enclosure

Fence/Gates

Chain Link	100%			2056	**		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Throughout

Explanation : Recent Replace Evident

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2043	**		
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On-Site Walkways

Cast in Place Concrete	100%			2043	**		
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Parking/Driveway

Cast in Place Concrete	100%			2043	**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%	0-2	\$1,500	2040	**	5	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement Electrical Room

Explanation : One 400 Ampere Service Switch. It Was Indicated That Water Leaks Through The Service Conduit.

Switchgear / Switchboard

Fused Disc Sw	100%			2030	\$63,500	5	
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Raceway

Conduit	100%			2040	**	1	
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Panelboards

Molded Case Bkrs	100%			2029	\$48,500	5	\$200
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Wiring

Thermoplastic	100%			2030	\$32,500	1	
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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 330/LADDER CO. 172
Asset # : 13212

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2028	\$17,800	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Water Main</i>						
Lighting								
Interior Lighting								
Fluorescent	20%	2-4	\$5,300	2040	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Volleyball Court</i>						
		<i>Explanation : T-12 Lamps Type Lighting Fixtures</i>						
LED	80%			2038	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout Building</i>						
		<i>Explanation : LED Lighting Fixtures Installed.</i>						
Exterior Lighting								
LED	100%			2035	**			

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2040	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2043	**	1	\$3,800	
Distribution								
Hot Wtr Piping/Pump	100%			2046	**	4	\$400	
Terminal Devices								
Convactor/Radiator	30%	0-2	\$11,100	2050	**	1	\$700	
		<i>Damaged, Extent : Severe, Area Affected : 30%</i>						
		<i>Location : Penthouse</i>						
Convactor/Radiator	70%			2035	**	1	\$1,800	
Air Conditioning								
Energy Source								
Electricity	100%			2038	**	1		
Conversion Equipment								
Window/Wall Unit	100%	0-2	\$17,200	2030	\$28,600	1		
		<i>On Extended Life, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : 2nd Floor</i>						
Ventilation								

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FIRE DEPARTMENT - 057
ENGINE CO. 330/LADDER CO. 172
Asset # : 13212

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Ventilation								
Exhaust Fans								
	Interior	40%			2025	\$13,400	2	\$100
	Roof	30%			2025	\$4,400	2	\$100
	Wall Unit	30%	Now	\$1,000	2040	**	2	\$100
<i>Malfunctioning, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
Plumbing								
H/C Water Piping								
	Galvanized Steel	100%	Now	\$1,900	2028	\$96,500	1	
<i>Broken, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Water Main Valve</i>								
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Shut Off Valve</i>								
Water Heater With Tanks								
	Electric	100%			2028	\$23,100	4	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Janitors Closet</i>								
<i>Explanation : One Unit</i>								
Sanitary Piping								
	Cast Iron	100%	Now	\$1,900	LIFE	**	1	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Backs Up</i>								
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%	0-2	\$200	2025	\$200	4	\$200
<i>On Extended Life, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fixtures								
	Generic	100%						
<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout Facility</i>								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 331/LADDER CO. 173
Address : 158-57 CROSS BAY BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.331 / 13213 **Yr Built/Renovated** : 1966 / 2003
Area Sq Ft : 8,732 **Project Type** : FIRE DEPARTMENT
Date of Survey : 25-Feb-2022 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 14163 **Lot** : 101 **BIN** : 4295071

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$66,200	\$73,400
Electrical		\$51,900
Mechanical		\$370,800
Total	\$66,200	\$496,000
Importance Code A	\$66,200	\$73,400
Importance Code B		\$422,700
Total	\$66,200	\$496,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$37,900		\$500	\$9,600
Interior Architecture	\$98,500		\$1,200	\$500
Electrical	\$1,000	\$600	\$600	\$3,000
Mechanical	\$28,400	\$5,100	\$5,600	\$9,800
Total	\$165,800	\$5,800	\$7,900	\$22,900
Importance Code A	\$42,500	\$400	\$900	\$10,100
Importance Code B	\$60,000	\$5,300	\$7,000	\$12,400
Importance Code C	\$63,300			\$500
Total	\$165,800	\$5,800	\$7,900	\$22,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 331/LADDER CO. 173
Asset # : 13213

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2053	**	10	\$300	
Masonry: Brick	85%	Now	\$66,200	LIFE	**	5	\$16,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bunk Rooms And Stairs</i>								
Metal Sect. OHD	10%	Now	\$13,700	2038	**	5	\$3,000	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Base Of Overhead Door</i>								
Windows								
Aluminum	95%	Now	\$7,100	2041	**	5	\$800	
<i>Crtrw/Balnc Not Funct, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Shower Room And 2nd Floor Offices</i>								
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Louvers	5%			2036	**	10	\$500	
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5-10	\$4,700	
Masonry: Brick	70%			LIFE	**	5-10	\$16,000	
<i>Diagonal Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor Bulkhead</i>								
Metal Rail	25%			2038	**	5-10	\$15,100	
Roof								
Asphalt Shingle	10%			2042	**	10	\$200	
Roll Roofing	85%			2032		5	\$19,300	
Skylight, Metal/Glass	5%			2053	**	10	\$2,300	
Interior								
Floors								
Cast in Place Concrete	40%	0-2	\$19,800	LIFE	**	5	\$10,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Apparatus Floor</i>								
Ceramic Tile	8%	Now	\$2,600	2046	**	5	\$500	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Shower Into Mechanical Room</i>								
Quarry Tile	5%			2038	**	5	\$900	
Terrazzo	4%			LIFE	**	5	\$700	
Vinyl Tile	43%			2041	**	3	\$1,900	

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 331/LADDER CO. 173
Asset # : 13213

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Ceramic Tile	5%			2042	**	5	\$900
Concrete Masonry Unit	40%	Now	\$33,800	LIFE	**	5	\$2,900

Water Penetration, Extent : Severe, Area Affected : 10%

Location : Stairwell

Plaster	20%	0-2	\$26,300	LIFE	**	5	\$1,100
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Cracking/Crumbling, Extent : Severe, Area Affected : 35%

Location : 2nd Floor

Water Penetration, Extent : Severe, Area Affected : 10%

Location : 2nd Floor

SGFT/Glazed Masonry	35%			LIFE	**	10	\$3,200
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Ceilings

AcousTileSusp.Lay-In	10%			2046	**	5	\$1,100
Exposed Struc: Concrete	35%			LIFE	**	5-10	\$5,000
Gypsum Board	10%			LIFE	**	5-10	\$3,900
Plaster	45%			LIFE	**	5-10	\$8,800

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2046	**		
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Parking/Driveway

Cast in Place Concrete	100%			2046	**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2053	**	5	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room

Explanation : Main Service Disconnect Switch Rated At 400 Amperes.

Switchgear / Switchboard

Molded Case Bkrs	100%			2053	**	5	\$200
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Raceway

Conduit	80%			2053	**	1	
Conduit	20%			2033		1	\$7,200

Panelboards

Molded Case Bkrs	20%			2032		5	\$9,700
Molded Case Bkrs	80%			2049	**	5	\$200

Wiring

Thermoplastic	80%			2053	**	1	
Thermoplastic	20%			2033		1	\$6,500

Motor Controllers

Locally Mounted	100%			2031		5	\$17,800
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Ground

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FIRE DEPARTMENT - 057
ENGINE CO. 331/LADDER CO. 173
Asset # : 13213

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$300	
Stand-by Power								
Transfer Switches Automatic	100%			2046	**	1	\$2,700	
Generators Natural Gas	100%			2042	**	1	\$3,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : Emergency Generator Rated At 103 Kilovolt Amperes</i>						
Batteries Lead/Acid	100%			2027	\$2,400	5	\$300	
Lighting								
Interior Lighting Fluorescent	70%			2033	\$51,900	10	\$5,600	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
LED	30%			2038	**			
Egress Lighting Emergency, Service	50%			2038	**	1		
Exit, LED	50%			2061	**	1		
Exterior Lighting LED	30%			2038	**			
No Component	70%							
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2043	**	1		
Conversion Equipment Hot Water Boiler	100%	0-2	\$4,500	2046	**	1	\$3,900	
		<i>Not in Service, Extent : Moderate, Area Affected : 25%</i>						
		<i>Location : No.3 Unit, 1st Floor Mechanical Room</i>						
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : 1st Floor Mechanical Room</i>						
		<i>Explanation : 4 Units</i>						
Distribution Hot Wtr Piping/Pump	100%			2041	**	4	\$600	
Terminal Devices Convactor/Radiator	60%			2038	**	1	\$1,700	
Unit Heater - Steam	40%			2028	\$19,400	4	\$500	
Air Conditioning								
Energy Source Electricity	100%			2041	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 331/LADDER CO. 173
Asset # : 13213

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Reciprocating Compr/Chiller	30%			2038	**	1	\$1,200
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 1 Unit. R-410a Refrigerant</i>						
	Window/Wall Unit	20%			2028	\$6,500	1	
	Window/Wall Unit	10%	0-2	\$3,200	2033	\$3,200	1	
		<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : 2nd Floor</i>						
		<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : 2nd Floor</i>						
	No Component	40%						
Terminal Devices								
	Fan Coil - 2 Pipe	30%			2041	**	1	\$900
	No Component	70%						
Heat Rejection								
	Air Cooled Condenser Unit	30%			2038	**	2	\$1,800
	No Component	70%						
Ventilation								
Distribution								
	Ductwork/Diffusers	40%			LIFE	**	2-5	\$3,100
	No Component	60%						
Exhaust Fans								
	Interior	30%	Now	\$1,100	2038	**	2	\$100
		<i>Abandoned in Place, Extent : Severe, Area Affected : 5%</i>						
		<i>Location : Kitchen Hood</i>						
	Roof	10%			2038	**	2	
	No Component	60%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2043	**	1	
Water Heater With Tanks								
	Gas Fired	50%			2031	\$16,700	2	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Mechanical Room</i>						
		<i>Explanation : One 75 Gallons Unit</i>						
	Solar	10%	Now	\$3,100	2031	\$62,200	1	
		<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>						
		<i>Location : Roof</i>						
		<i>Not in Service, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
	Solar	40%			2031	\$248,800	1	

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FIRE DEPARTMENT - 057
ENGINE CO. 331/LADDER CO. 173
Asset # : 13213

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sanitary Piping							
	Cast Iron	100%	0-2	\$5,400	LIFE	**	1	
				<i>Blockage /Clogged, Extent : Moderate, Area Affected : 30%</i>				
				<i>Location : Water Backs Up To Apparatus Floor</i>				
				<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>				
				<i>Location : 2nd Floor Bathtub To 1st Floor Mechanical Room</i>				
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Generic	100%			2028	\$59,800	1-3	\$60,700
				<i>Other Observation, Extent : N/A, Area Affected : 100%</i>				
				<i>Location : Kitchen</i>				
				<i>Explanation : 1 Set Covers 15 Square Feet</i>				

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 332/LADDER CO. 175 / RAC 2
Address : 165 BRADFORD STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.332 / 13214 **Yr Built/Renovated** : 1984 / 2009
Area Sq Ft : 7,789 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Nov-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3691 **Lot** : 1 **BIN** : 3083579

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$212,600	
Interior Architecture	\$53,300	\$94,400
Mechanical		\$328,100
Site Enclosure	\$59,300	
Site Pavements	\$178,200	
Total	\$503,400	\$422,400
Importance Code A	\$212,600	
Importance Code B	\$53,300	\$422,400
Importance Code C	\$237,600	
Total	\$503,400	\$422,400

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$13,900	\$1,900	\$14,500	
Interior Architecture	\$53,400		\$700	\$400
Electrical	\$50,400	\$500	\$3,000	\$600
Mechanical	\$64,700	\$27,000	\$11,400	\$10,200
Total	\$182,400	\$29,400	\$29,600	\$11,300
Importance Code A	\$14,300	\$2,300	\$14,900	\$400
Importance Code B	\$138,200	\$27,100	\$14,500	\$10,900
Importance Code C	\$30,000		\$200	
Total	\$182,400	\$29,400	\$29,600	\$11,300



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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 332/LADDER CO. 175 / RAC 2
Asset # : 13214

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2053	**	10	\$200	
Concrete Masonry Unit	75%	Now	\$95,900	LIFE	**	5	\$5,700	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Front Facade At Doors Impact Damage, Rear Facade</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
Metal Sect. OHD	10%			2050	**	5	\$3,800	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Metal Coiling Doors	10%	2-4	\$12,700	2038	**	5	\$1,900	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Coiling Door Housing At Rear Of Building</i>								
Windows								
Aluminum	100%	Now	\$1,200	2032	\$23,700	5	\$300	
<i>Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Front Office</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Weight Room</i>								
Parapets								
Metal Panel	40%			2043	**	5	\$3,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Roof</i>								
<i>Explanation : Metal Coping</i>								
Metal Rail	60%			2046	**	5-10	\$24,000	
Roof								
Modified Bitumen	100%	Now	\$116,700	2043	**			
<i>Alligatoring, Extent : Severe, Area Affected : 10%</i>								
<i>Location : At Seams</i>								
<i>Debris Present, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2 Story Roof</i>								
<i>Patching Evident, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Main Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Low Roof</i>								
Soffits								
Alum/Vinyl Siding	100%			2053	**	10		
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 332/LADDER CO. 175 / RAC 2
Asset # : 13214

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	55%	Now	\$53,300	LIFE	**	5	\$14,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	10%			2036	**	5	\$1,200	
Quarry Tile	5%			2038	**	5	\$900	
Vinyl Tile	30%	Now	\$9,400	2033	\$94,400	3	\$1,300	
<i>Worn/Eroded, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout 2nd Floor And 1st Floor</i>								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**	10	\$1,600	
Ceramic Tile	5%			2036	**	5	\$300	
Concrete Masonry Unit	45%	Now	\$26,900	LIFE	**	5	\$1,200	
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Dormitory - Under Windows</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor - Locker Room And Office</i>								
Gypsum Board	5%			LIFE	**	5-10	\$600	
SGFT/Glazed Masonry	35%			LIFE	**	10	\$1,100	
Ceilings								
AcousTileSusp.Lay-In	50%	2-4	\$1,900	2038	**	5	\$2,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Kitchen And Office</i>								
Exposed Struc: Steel	20%	Now	\$10,900	LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Missing Fireproofing</i>								
Gypsum Board	30%	Now	\$1,200	LIFE	**	5	\$4,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Television Room At Window</i>								
Site Enclosure								
Fence/Gates								
Chain Link	90%	Now	\$59,300	2043	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Leaning Fence At Parking Area</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Parking Lot Area</i>								
<i>Explanation : Damaged Chainlink Gates</i>								
Iron Picket	10%			2068	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 332/LADDER CO. 175 / RAC 2
Asset # : 13214

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Parking/Driveway

Asphalt

95% Now \$178,200 2036 **

*Cracking/Crumbling, Extent : Moderate, Area Affected : 50%**Location : Parking Lot Area*

Cast in Place Concrete

5% 2046 **

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw

100% 2043 ** 5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 400 Ampere Main Disconnect Switch*

Raceway

Conduit

80% 2043 ** 1

Conduit

20% 2053 ** 1

Panelboards

Fused Disc Sw

5% 2032 \$2,400 5

Molded Case Bkrs

80% 2032 \$38,800 5 \$200

Molded Case Bkrs

15% 2049 ** 5

Wiring

Thermoplastic

80% 2033 \$26,000 1

Thermoplastic

20% 2053 ** 1

Motor Controllers

Locally Mounted

100% 2031 \$17,800 5 \$100

Ground

Grounding Devices

Generic

100% LIFE ** 5 \$200

Stand-by Power

Transfer Switches

Automatic

100% 2046 ** 1 \$2,400

Generators

Diesel

50% 2042 ** 1 \$1,500

*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside**Explanation : 150 Kilowatts*

Diesel

50% Now \$49,700 2048 ** 1 \$1,400

*Abandoned In Place, Extent : Severe, Area Affected : 100%**Location : Basement*

Batteries

Lead/Acid

100% 2026 \$2,400 5 \$300

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FIRE DEPARTMENT - 057
ENGINE CO. 332/LADDER CO. 175 / RAC 2
Asset # : 13214

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Fuel Storage Main Tank	100%			2048	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Backyard</i>								
<i>Explanation : 500 Gallon Tank</i>								
Lighting								
Interior Lighting								
Fluorescent	10%			2038	**	10	\$700	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
LED	90%			2038	**			
Egress Lighting								
Emergency, Service	60%			2038	**	1		
Exit, Service	40%			2038	**	1		
Exterior Lighting								
LED	20%			2038	**			
No Component	80%							
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Furnace	10%			2038	**	1	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Gasoline Fire Unit Heaters Serve Air Bottle Fill Area</i>								
Hot Water Boiler	90%			2046	**	1	\$3,500	
Distribution								
Hot Wtr Piping/Pump	100%	0-2	\$1,700	2041	**	4	\$400	
<i>Broken, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement. One Circulating Pump Broken Bearing</i>								
Terminal Devices								
Fan Coil Unit/Heat	100%	Now	\$37,700	2033	\$188,600	1	\$2,300	
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 332/LADDER CO. 175 / RAC 2
Asset # : 13214

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Exterior Pkg Unit - Cooling	20%			2038	**	2	\$100
	Window/Wall Unit	40%			2031	\$11,500	1	
	Window/Wall Unit	20%	Now	\$5,800	2033	\$5,800	1	
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
	No Component	20%						
Distribution								
	Ductwork/Diffusers	20%			LIFE	**	2	\$2,500
	No Component	80%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,900
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Includes Make Up Air</i>								
Exhaust Fans								
	Interior	50%	0-2	\$1,700	2033	\$16,900	2	\$100
<i>Malfunctioning, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen Exhaust Is Not Working</i>								
	Roof	50%			2038	**	2	\$100
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2043	**	1	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Booster Pumps</i>								
Water Heater With Tanks								
	Gas Fired	100%			2028	\$33,400	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping								
	Cast Iron	100%	0-2	\$4,800	LIFE	**	1	
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room Blockage, Clogged Drain</i>								
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Backflow Preventer								
	No Component	95%						
	Generic	5%			2033	\$200	1	
Fixtures								
	Generic	100%						
Fire Suppression								

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FIRE DEPARTMENT - 057
ENGINE CO. 332/LADDER CO. 175 / RAC 2
Asset # : 13214

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Sprinkler							
	No Component	90%						
	Generic	10%			2043	**	1-2	\$200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st And 2nd Floor</i>					
			<i>Explanation : Serves Stair And Corridor Only</i>					
Chemical System	Wet	100%			2031	\$139,500	1-3	\$145,800
			<i>Other Observation, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Kitchen Covers 35 Square Feet</i>					
			<i>Explanation : Kitchen Fire Suppression</i>					

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 34/ LADDER CO. 21
Address : 440 WEST 38th STREET BTWN: 9TH AVE. - 10TH AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.034 / 13022 **Yr Built/Renovated** : 1937 / 1998
Area Sq Ft : 9,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Nov-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 735 **Lot** : 61 **BIN** : 1012982

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$58,300	\$84,800
Mechanical		\$142,300
Total	\$58,300	\$227,000
Importance Code A	\$58,300	\$84,800
Importance Code B		\$142,300
Total	\$58,300	\$227,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$119,300	\$7,800		
Interior Architecture	\$72,500			\$600
Electrical	\$500	\$700	\$600	\$9,500
Mechanical	\$7,000	\$9,900	\$1,300	\$8,900
Site Pavements	\$700			
Total	\$200,200	\$18,400	\$1,800	\$19,100
Importance Code A	\$120,200	\$8,700	\$900	\$900
Importance Code B	\$35,600	\$9,700	\$900	\$18,100
Importance Code C	\$44,300			
Total	\$200,200	\$18,400	\$1,800	\$19,100



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 34/ LADDER CO. 21
Asset # : 13022

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	20%	Now	\$58,300	LIFE	**	5	\$24,900	
<i>Water Penetration, Extent : Severe, Area Affected : 35%</i>								
<i>Location : 38th Street And Side Yard</i>								
Masonry: Brick	45%	0-2	\$18,100	LIFE	**	5	\$11,200	
<i>Expansion Joint Failure, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : West Property Line</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : North Facade</i>								
Masonry: Limestone	10%			LIFE	**	5	\$1,900	
Metal Sect. OHD	20%			2045	**	5	\$15,600	
Granite Panels	5%			LIFE	**	5	\$900	
Windows								
Aluminum	100%	Now	\$33,700	2048	**	5	\$700	
<i>Air Infiltration, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Hardware Missing, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	80%			LIFE	**	5	\$1,900	
Masonry: Limestone	20%			LIFE	**	5	\$600	

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FIRE DEPARTMENT - 057
ENGINE CO. 34/ LADDER CO. 21
Asset # : 13022

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	65%	Now	\$25,400	2032	\$84,800			
<i>Drains Clogged, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Over 1st Floor Toilet</i>								
Modified Bitumen	30%	4+	\$2,000	2037	**			
<i>Worn/Eroded, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	2%	Now	\$40,200	2062	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over Hose Tower</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over Hose Tower</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Over Hose Tower</i>								
<i>Explanation : Skylight</i>								
Not Accessible	3%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Roof Over Hose Tower And Bulkhead</i>								
<i>Explanation : Roof Is Not Accessible</i>								
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$11,400	
Ceramic Tile	20%	Now	\$2,900	2041	**	5	\$1,300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : First Floor Bathroom</i>								
Quarry Tile	5%	4+	\$900	2037	**	5	\$500	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Kitchen</i>								
Terrazzo	5%			LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 0%</i>								
<i>Location : 2nd Floor</i>								
Vinyl Tile	30%	Now	\$5,300	2037	**	3	\$1,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Cellar</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 34/ LADDER CO. 21
Asset # : 13022

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%	Now	\$23,300	2047	**	5	\$400	
<i>Loose Units, Extent : Severe, Area Affected : 100%</i>								
<i>Location : First Floor Bathroom</i>								
Concrete Masonry Unit	20%			LIFE	**	5	\$1,200	
Gypsum Board	20%			LIFE	**	5	\$1,700	
Plaster	30%	Now	\$5,200	LIFE	**	5	\$1,300	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Along The 2nd Floor Street Front Wall. Stairs</i>								
SGFT/Glazed Masonry	25%	Now	\$15,900	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								
Ceilings								
AcousTileSusp.Lay-In	5%			2037	**	5	\$300	
<i>Staining/Discoloring, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Street Front, Kitchen</i>								
Exposed Struc: Concrete	35%	4+	\$15,500	LIFE	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement Ceiling</i>								
<i>Explanation : Loose And Falling Fireproofing</i>								
Exposed Struc: Steel	20%			LIFE	**			
Plaster	40%	Now	\$3,600	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout 2nd Floor</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	2-4	\$200	2045	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front At Bollard</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2045	**			
Activity Yard								
Cast in Place Concrete	100%	4+	\$500	2045	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 34/ LADDER CO. 21
Asset # : 13022

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2062	**	5		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 400 Ampere Main Disconnect Switch</i>						
Switchgear / Switchboard								
Fused Disc Sw	100%			2052	**	5		
Raceway								
Conduit	100%			2052	**	1		
Panelboards								
Fused Disc Sw	5%			2031	\$2,400	5		
Molded Case Bkrs	75%			2048	**	5	\$200	
Molded Case Bkrs	20%			2031	\$9,700	5		
Wiring								
Thermoplastic	75%			2052	**	1		
Thermoplastic	25%			2032	\$8,100	1		
Motor Controllers								
Locally Mounted	100%			2045	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	95%			2037	**	10	\$7,800	
		<i>Other Observation, Extent : N/A, Area Affected : 95%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : T-8 Lamps</i>						
LED	5%			2040	**			
		<i>Recent Installation, Extent : N/A, Area Affected : 5%</i>						
		<i>Location : Aparatus Floor</i>						
Egress Lighting								
Emergency, Battery	50%			2037	**	10	\$1,100	
Exit, Service	50%			2037	**	1		
Exterior Lighting								
HID	100%			2037	**	10		
Alarm								
Security System								
No Component	90%							
Generic	10%			2037	**	1	\$300	
Fire/Smoke Detection								
Generic, Analog	100%			2040	**	1-3	\$5,500	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Aparatus Floor</i>						
		<i>Explanation : Fire Alarm Control Panel And Smoke, Heat Detectors On The Apparatus Floor.</i>						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 34/ LADDER CO. 21
Asset # : 13022

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2052	**	1		
Conversion Equipment								
Steam Boiler	100%			2045	**	1	\$8,900	
Distribution								
Steam Piping/Pump	100%			2032	\$70,400			
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Steam Supply And Condensate Return Piping Are Beyond Their Useful Life Rating</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Gravity Condensate Return Piping Observed</i>								
Terminal Devices								
Convactor/Radiator	100%			2030	\$71,900	1	\$2,900	
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout, Terminal Heating Equipment Are Beyond Their Useful Life Rating</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2048	**	1		
Conversion Equipment								
Window/Wall Unit	25%			2025	\$8,300	1		
Window/Wall Unit	25%	Now	\$5,000	2032	\$8,300	1		
<i>Malfunctioning, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Various Spaces On The Second Floor; Multiple Mechanical, Electrical Defects</i>								
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$500	
No Component	90%							
Exhaust Fans								
Interior	10%			2032	\$3,900	2		
Roof	5%	Now	\$900	2042	**	2		
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof</i>								
Roof	45%			2027	\$7,700	2	\$100	
No Component	40%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2042	**	1		
Water Heater With Tanks								
Gas Fired	100%			2030	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Mechanical Room</i>								
<i>Explanation : Two 75 Gallon Tanks</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 34/ LADDER CO. 21
Asset # : 13022

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sanitary Piping							
	Cast Iron	25%			LIFE	**	1	
	Cast Iron	75%			LIFE	**	1	
<i>On Extended Life, Extent : Light, Area Affected : 75%</i>								
<i>Location : Throughout, The Sanitary Piping Are Beyond Their Useful Life Cycle Rating</i>								
<hr/>								
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
<i>On Extended Life, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout, The Storm Piping Are Beyond Their Useful Life Cycle Rating</i>								
<hr/>								
	Sump Pump(s)							
	Submersible	100%			2025	\$300	4	\$300
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : The Pumps Lack Sufficient Capacity To Keep Up Whenever There Is A Storm Event.</i>								
<hr/>								
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2032	\$200	1	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Mechanical Room</i>								
<i>Explanation : Serves Boiler Water Makeup Feed Only</i>								
<hr/>								
	Fixtures							
	Generic	100%						

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 35/ LADDER CO. 14/ BATTALION 12
Address : 2282 THIRD AVENUE
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.035 / 13023 **Yr Built/Renovated** : 1974 /
Area Sq Ft : 10,900 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-Jul-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1773 **Lot** : 33 **BIN** : 1054465

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$140,400	
Interior Architecture	\$41,000	\$120,700
Electrical		\$219,500
Mechanical	\$79,700	\$113,100
Total	\$261,200	\$453,300
Importance Code A	\$140,400	\$176,600
Importance Code B	\$120,700	\$276,600
Total	\$261,200	\$453,300

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$36,600		\$800	
Interior Architecture	\$62,400	\$400	\$1,100	\$1,700
Electrical	\$200	\$200	\$15,900	\$100
Mechanical	\$20,600	\$6,300	\$32,300	\$6,600
Total	\$119,800	\$6,900	\$50,100	\$8,400
Importance Code A	\$37,200	\$500	\$1,500	\$500
Importance Code B	\$79,800	\$6,400	\$48,600	\$7,900
Importance Code C	\$2,800			
Total	\$119,800	\$6,900	\$50,100	\$8,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 35/ LADDER CO. 14/ BATTALION 12
Asset # : 13023

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Concrete Masonry Unit	45%			LIFE	**	5	\$5,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Split Faced Finish</i>								
Masonry: Brick Cavity	43%	0-2	\$15,300	LIFE	**	5	\$9,000	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Side And Rear Facades</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Precast Window Sills</i>								
<i>Explanation : Cracking And Crumbling</i>								
Metal Panel	2%			2041	**	5-10	\$2,900	
Metal Sect. OHD	10%			2048	**	5	\$6,500	
Windows								
Aluminum	100%	Now	\$55,000	2056	**	5	\$600	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Second Floor</i>								
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Parapets								
Concrete Masonry Unit	45%	Now	\$9,300	LIFE	**	5	\$1,400	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Outer Parapet Wall</i>								
<i>Horizontal Cracks, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Underside Of Coping</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Corners On Outer Parapet Wall</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Split Faced Finish</i>								
Masonry: Brick	40%			LIFE	**	5	\$1,100	
Pre-Cast Concrete	10%			LIFE	**	5	\$1,700	
Stucco Cement	5%	2-4	\$800	2044	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Parapet</i>								
Roof								
Modified Bitumen	20%			2039	**	10	\$3,400	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Roof Areas</i>								
Roll Roofing	80%			2024		5	\$22,500	

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FIRE DEPARTMENT - 057
ENGINE CO. 35/ LADDER CO. 14/ BATTALION 12
Asset # : 13023

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Soffits								
Stucco Cement	100%			2044	**	5		
Interior								
Floors								
Carpet	10%			2030	\$25,800	3	\$3,000	
Cast in Place Concrete	20%	Now	\$24,800	LIFE	**	5	\$6,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Apparatus Room</i>								
Cast in Place Concrete	20%			LIFE	**	5	\$6,500	
Ceramic Tile	5%			2027	\$41,000	5	\$700	
Ceramic Tile	5%			2040	**	5	\$700	
Quarry Tile	10%			2036	**	5	\$2,200	
Vinyl Tile	30%	Now	\$2,400	2031	\$120,700	3	\$1,700	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%	Now	\$2,800	2034	**	5	\$500	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>								
<i>Location : First And Second Floor Bathrooms</i>								
Concrete Masonry Unit	35%			LIFE	**	5	\$2,900	
Gypsum Board	30%			LIFE	**	5	\$3,700	
SGFT/Glazed Masonry	30%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	15%	0-2	\$700	2036	**	5	\$1,100	
<i>Worn/Eroded, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 1st Floor Office</i>								
Exposed Struc: Concrete	15%			LIFE	**	5	\$300	
Plaster	70%	0-2	\$31,000	LIFE	**	5	\$6,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Second Floor</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 35/ LADDER CO. 14/ BATTALION 12
Asset # : 13023

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2031	\$63,500	5	\$300	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : One 400 Ampere Main Disconnect Switch</i>							
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	\$63,500	5	\$300	
Raceway								
Conduit	95%			2031	\$34,200	1		
Conduit	5%			2051	**	1		
Panelboards								
Fused Disc Sw	5%			2030	\$2,400	5		
Molded Case Bkrs	75%			2030	\$36,400	5	\$200	
Molded Case Bkrs	20%			2039	**	5	\$100	
Wiring								
Thermoplastic	90%			2031	\$29,300	1		
Thermoplastic	10%			2041	**	1		
Motor Controllers								
Locally Mounted	100%			2029	\$17,800	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	95%			2031	\$87,800	10	\$9,500	
	<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout The Building</i>							
Fluorescent	5%			2031	\$4,600	10	\$500	
	<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Uniforms Room</i>							
Egress Lighting								
Emergency, Battery	50%			2031	\$8,900	10	\$1,300	
Exit, Service	50%			2031	\$2,300	1		
Exterior Lighting								
HID	20%			2026	\$9,900	10		
No Component	80%							
Alarm								
Fire/Smoke Detection								
No Component	80%							
Generic, Analog	20%			2026	\$5,500	1-3	\$1,300	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout The Building</i>							
	<i>Explanation : Strobes, Bell, Horn, Fire Alarm Panel And Pull Box Station</i>							

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 35/ LADDER CO. 14/ BATTALION 12
Asset # : 13023

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
Exhaust Fans								
Interior	10%	0-2	\$500	2031	\$4,700	2		
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement. Defective Blower Motor And Broken Belt</i>								
Interior	40%	0-2	\$1,900	2036	**	2	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : First Floor</i>								
<i>Explanation : There Is No Air Ventilation In The Apparatus Room Operational Floor Installation Of An Exhaust Fan Needed.</i>								
Roof	20%	0-2	\$400	2036	**	2	\$100	
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof. Defective Bathroom Exhaust Fan</i>								
No Component	30%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	**	1		
Water Heater With Tanks								
Gas Fired	100%			2030	\$16,700	2		
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 100 Gallon Units</i>								
Sanitary Piping								
Cast Iron	90%			LIFE	**	1		
Cast Iron	10%	0-2	\$300	LIFE	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Explanation : Occasional Sewer Back Up</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%			2026	\$2,100	4	\$200	
Fixtures								
Generic	95%							
Generic	5%							
<i>Leaking Connections, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor And Laundry Room Leaking Faucets</i>								
Fire Suppression								
Sprinkler								
No Component	95%							
Generic	5%			2031	\$7,400	1-2	\$200	
Chemical System								
Generic	100%			2026	\$79,700	1-3	\$74,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

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Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 35/ LADDER CO. 14/ BATTALION 12
Asset # : 13023

Print Date : 13-Oct-2022 **FIRE DEPARTMENT - FY 2023**

Asset Name	: ENGINE CO. 37		
Address	: 415 WEST 125TH STREET		
Borough	: MANHATTAN	Agency's Number	: N/A
Program / Asset #	: FIRSECO.037 / 13025	Yr Built/Renovated	: 1974 / 2002
Area Sq Ft	: 11,778	Project Type	: FIRE DEPARTMENT
Date of Survey	: 01-Jul-2020	Landmark Status	: NONE
Areas Surveyed	: Basement, Roof, Floors 1,2		
Block	: 1966	Lot	: 61
		BIN	: 1059547

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$270,700	\$80,400
Interior Architecture		\$143,200
Mechanical	\$79,700	\$178,700
Total	\$350,400	\$402,300
Importance Code A	\$270,700	\$202,600
Importance Code B	\$79,700	\$199,700
Total	\$350,400	\$402,300

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$80,900		\$4,300	
Interior Architecture	\$58,200		\$600	\$700
Electrical	\$100		\$12,200	\$200
Mechanical	\$26,600	\$7,300	\$34,100	\$14,200
Total	\$165,900	\$7,400	\$51,200	\$15,100
Importance Code A	\$93,200	\$600	\$4,900	\$600
Importance Code B	\$32,000	\$6,800	\$46,300	\$14,500
Importance Code C	\$40,800			
Total	\$165,900	\$7,400	\$51,200	\$15,100



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 37
Asset # : 13025

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Metal Sect. OHD	10%			2036	**	5	\$8,600	
Pre-Cast Concrete	90%	Now	\$87,600	LIFE	**	5	\$80,400	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : East Facade</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Entrance Door. Center Bay</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 20%</i>								
<i>Location : East Facade</i>								
Windows								
Aluminum	100%	Now	\$2,600	2047	**	5	\$600	
<i>Unit Inoperable, Extent : Severe, Area Affected : 2%</i>								
<i>Location : 2nd Floor Rear Of Building</i>								
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Street Level</i>								
<i>Explanation : Protective Metal Grilles</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$3,200	LIFE	**	5	\$2,800	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Coping</i>								
Pre-Cast Concrete	80%	Now	\$45,900	LIFE	**	5	\$18,200	
<i>Spalling, Extent : Severe, Area Affected : 35%</i>								
<i>Location : South And West Facades</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Stucco Cement	10%	Now	\$10,900	2051	**	5	\$500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Inside Face Of Parapet Wall</i>								
Roof								
Built-Up (BUR)	100%	Now	\$18,300	2026			\$183,100	
<i>Debris Present, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : West Facade</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 37
Asset # : 13025

Architecture		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$12,600	LIFE	**	5	\$16,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Apparatus Floor</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
Ceramic Tile	10%			2034	**	5	\$1,500	
Quarry Tile	5%			2036	**	5	\$1,100	
Vinyl Tile	35%	Now	\$2,900	2031	\$143,200	3	\$2,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Gymnasium Area</i>								
Interior Walls								
Cast in Place Concrete	10%	0-2	\$3,100	LIFE	**			
<i>Paint Peeling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Basement</i>								
Ceramic Tile	10%			2034	**	5	\$2,100	
Concrete Masonry Unit	40%			LIFE	**	5	\$3,300	
SGFT/Glazed Masonry	40%	0-2	\$36,600	LIFE	**			
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Base Of Wall. Stairs And Hallways</i>								
Ceilings								
AcousTileSusp.Lay-In	10%	4+	\$1,200	2036	**	5	\$800	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Kitchen</i>								
Exposed Struc: Concrete	20%			LIFE	**	5	\$500	
Gypsum Board	70%			LIFE	**	5	\$13,300	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2051	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			
On-Site Walkways								
Cast in Place Concrete	100%			2044	**			

Electrical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2051	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2051	**	5	\$300	

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 37
Asset # : 13025

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2051	**	1		
Panelboards								
Fused Disc Sw	5%			2047	**	5		
Molded Case Bkrs	95%			2047	**	5	\$300	
Wiring								
Thermoplastic	100%			2051	**	1		
Motor Controllers								
Locally Mounted	100%			2044	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	98%			2036	**	10	\$10,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Incandescent	2%			2036	**	2		
Egress Lighting								
Emergency, Battery	50%			2036	**	10	\$1,400	
Exit, Service	50%			2036	**	1		
<i>Lens/Guard Missing, Extent : Light, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								
Exterior Lighting								
HID	20%			2036	**	10		
No Component	80%							
Alarm								
Security System								
No Component	90%							
Generic	10%			2036	**	1	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : CCTV Surveillance System</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2041	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 37
Asset # : 13025

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment Hot Water Boiler	100%	0-2	\$12,200	2029	\$122,200	1	\$5,200	
<i>Corroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Boiler Room</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Defective Temperature Control With Thermostat</i>								
Distribution Hot Wtr Piping/Pump	100%			2039	**	4	\$600	
Terminal Devices								
Convactor/Radiator	60%			2029	\$56,400	1	\$2,300	
Unit Heater - Steam	40%			2026	\$26,100	4	\$400	
Air Conditioning								
Energy Source Electricity	100%			2039	**	1		
Conversion Equipment Exterior Pkg Unit - Cooling	10%			2031	\$12,600	2	\$100	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 10%</i>								
<i>Location : Lower Roof</i>								
Window/Wall Unit No Component	20%			2029	\$8,700	1		
	70%							
Heat Rejection								
Air Cooled Condenser Unit	60%			2031	\$6,000	2	\$4,900	
No Component	40%							
Ventilation								
Distribution Ductwork/Diffusers	40%			LIFE	**	2-5	\$2,600	
No Component	60%							
Exhaust Fans								
Interior	20%			2031	\$10,200	2	\$100	
Roof	20%	0-2	\$900	2036	**	2	\$100	
<i>Malfunctioning, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Bathroom Defective Exhaust Fan</i>								
Wall Unit	20%			2026	\$1,000	2	\$100	
Wall Unit	10%	Now	\$100	2031	\$500	2		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor, Dryer Vent Malfunctioning.</i>								
<i>Explanation : Defective Dryer Vent</i>								
No Component	30%							
Plumbing								
H/C Water Piping Brass/Copper	100%			2041	**	1		

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 37
Asset # : 13025

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Water Heater With Tanks Gas Fired	100%			2029	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	30%	0-2	\$1,200	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Alley Way. Sewer Backup, Clogged Blocked Drain</i>								
Cast Iron	70%			LIFE	**	1		
Sump Pump(s) Non-Submersible	100%			2031	\$2,300	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System Generic	100%			2024	\$79,700	1-3	\$80,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 38/ LADDER CO. 51
Address : 3446 EASTCHESTER ROAD
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.038 / 13026 **Yr Built/Renovated** : 1928 / 1998
Area Sq Ft : 5,876 **Project Type** : FIRE DEPARTMENT
Date of Survey : 16-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 4723 **Lot** : 45 **BIN** : 2060238

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$318,500	
Interior Architecture		\$71,200
Total	\$318,500	\$71,200
Importance Code A	\$318,500	
Importance Code B		\$71,200
Total	\$318,500	\$71,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$27,100		\$9,500	\$900
Interior Architecture	\$10,200	\$800	\$1,400	
Electrical	\$7,500	\$100		
Mechanical	\$2,300	\$1,600	\$2,000	\$1,300
Site Pavements	\$5,400			
Total	\$52,400	\$2,500	\$12,900	\$2,300
Importance Code A	\$27,700	\$600	\$10,100	\$1,500
Importance Code B	\$21,900	\$1,600	\$2,800	\$800
Importance Code C	\$2,900	\$300		
Total	\$52,400	\$2,500	\$12,900	\$2,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 38/ LADDER CO. 51
Asset # : 13026

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2051	**	10	\$400	
Masonry: Brick	70%	4+	\$255,100	LIFE	**	5	\$15,900	
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : South, North And East Facades</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : South, North And East Facades</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : South And North Facades</i>								
Masonry: Granite	5%	Now	\$1,700	LIFE	**	5	\$900	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Front Facade At Apparatus Entry</i>								
Masonry: Limestone	5%	Now	\$17,400	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Facade</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : West Facade</i>								
Stucco Cement	5%			2036	**	5	\$2,800	
Wood Overhead Doors	10%			2044	**	5	\$11,300	
Windows								
Aluminum	100%			2047	**	5	\$1,800	
Parapets								
Masonry: Brick	90%	2-4	\$63,400	LIFE	**	5	\$1,700	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Roof</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Roof</i>								
Masonry: Limestone	5%	2-4	\$2,300	LIFE	**	5	\$100	
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Front Of Building</i>								
Pre-Cast Concrete	5%			LIFE	**	5	\$600	
Roof								
Asphalt Shingle	10%			2040	**	10	\$200	
Modified Bitumen	87%			2036	**	10	\$8,100	
Skylight, Metal/Glass	3%			2041	**	10	\$900	
Interior								
Floors								
Cast in Place Concrete	48%	4+	\$7,000	LIFE	**	5	\$9,200	
<i>Spalling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 1st Floor Skim Coating Apparatus Bay</i>								
Ceramic Tile	3%			2040	**	5	\$300	
Quarry Tile	2%			2036	**	5	\$300	
Terrazzo	2%			LIFE	**	5	\$100	
Vinyl Tile	30%			2031		3	\$1,000	
Wood	15%			2046	**	5	\$2,500	

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 38/ LADDER CO. 51
Asset # : 13026

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%			2040	**	5	\$700	
Masonry: Brick	10%			LIFE	**			
Plaster	45%	Now	\$2,900	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Main Stair</i>								
SGFT/Glazed Masonry	40%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	5%			2044	**	5	\$500	
Exposed Struc: Concrete	25%			LIFE	**	5	\$400	
Exposed Struc: Steel	10%			LIFE	**			
Plaster	60%			LIFE	**	5	\$3,700	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$5,400	2044	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Apron Ramp To Apparatus Bay</i>								
On-Site Walkways								
Cast in Place Concrete	100%			2036	**			
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2031	\$14,700	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>								
Raceway								
Conduit	100%			2031	\$36,000	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 38/ LADDER CO. 51
Asset # : 13026

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Panelboards								
Fused Disc Sw	3%			2030	\$1,500	5		
Fused Disc Sw	2%	0-2	\$1,000	2056	**	5		
<i>Enclosure Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Panel Rated At 30 Amperes And 60 Amperes</i>								
Molded Case Bkrs	70%			2030	\$33,900	5	\$100	
Molded Case Bkrs	25%			2030	\$12,100	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Operational But Missing Cover</i>								
Wiring								
Braided Cloth	20%	2-4	\$6,500	2056	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	80%			2031	\$26,000	1		
Motor Controllers								
Locally Mounted	100%			2029	\$17,800	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Water Main Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Observed On Water Main</i>								
Lighting								
Interior Lighting								
LED	100%			2039	**			
Egress Lighting								
Emergency, Battery	50%			2039	**	10	\$700	
No Component	50%							
Exterior Lighting								
HID	20%			2039	**	10		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2051	**	1		

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 38/ LADDER CO. 51
Asset # : 13026

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Conversion Equipment								
Furnace	10%			2036	**	1	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outdoor Lounge Area</i>								
<i>Explanation : 1 Natural Gas Fired Space Heater</i>								
Steam Boiler	90%			2044	**	1	\$5,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Natural Gas Fired Steam Boiler</i>								
Distribution								
Steam Piping/Pump	100%			2041	**			
Terminal Devices								
Convactor/Radiator	100%			2036	**	1	\$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2047	**	1		
Conversion Equipment								
Split Unit	25%			2036	**			
Window/Wall Unit	50%			2029	\$10,900	1		
No Component	25%							
Terminal Devices								
Fan Coil - 2 Pipe	25%			2036	**	1	\$500	
No Component	75%							
Ventilation								
Exhaust Fans								
Roof	20%	0-2	\$200	2036	**	2		
<i>Malfunctioning, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Roof. Two Bathroom Exhaust Fan Malfunctioning Due To Defective Motor And Belt</i>								
Wall Unit	20%	0-2	\$500	2031	\$500	2		
<i>Malfunctioning, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen Exhaust Fan Malfunctioning</i>								
No Component	60%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		
Water Heater With Tanks								
Gas Fired	100%			2029	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 38/ LADDER CO. 51
Asset # : 13026

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Storm Drain Piping								
Cast Iron	80%			LIFE	**	1		
Cast Iron	20%	0-2	\$200	LIFE	**	1		
	<i>Blockage /Clogged, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Side Of Building, Clogged Drain Resulting In Water Backup To Basement</i>							
Sump Pump(s)								
Submersible	100%			2025	\$200	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	90%							
Generic	10%			2029	\$8,000	1-3	\$7,400	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 39/ LADDER CO. 16 (COMBINED FACILITY)
Address : 157 EAST 67th STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.039 / 13027 **Yr Built/Renovated** : 1886 / 1992
Area Sq Ft : 12,960 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-Dec-2018 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Floors 1,2,Mez
Block : 1402 **Lot** : 29 **BIN** : 1072190

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture		\$143,600
Electrical		\$77,300
Mechanical		\$56,800
Total		\$277,700
Importance Code B		\$277,700
Total		\$277,700

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture				\$2,600
Interior Architecture	\$45,000	\$700	\$2,200	\$600
Electrical	\$3,800	\$9,600	\$100	\$100
Mechanical	\$37,100	\$2,400	\$5,800	\$500
Total	\$85,800	\$12,800	\$8,100	\$3,800
Importance Code A				\$2,600
Importance Code B	\$76,500	\$12,800	\$8,100	\$1,200
Importance Code C	\$9,400			
Total	\$85,800	\$12,800	\$8,100	\$3,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 39/ LADDER CO. 16 (COMBINED FACILITY)
Asset # : 13027

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	55%			LIFE	**	5	\$9,200	
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
Masonry: Brownstone	25%			LIFE	**	5	\$3,100	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
Masonry: Granite	5%			LIFE	**	5	\$600	
Metal Sect. OHD	10%			2047	**	5	\$5,200	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Main South Facade</i>								
Wood Overhead Doors	5%			2043	**	5	\$4,200	
Windows								
Aluminum	50%			2038	**	5	\$300	
Wood	50%			2038	**	5	\$2,600	
Roof								
Under Construction	100%							
<i>Other Observation, Extent : N/A, Area Affected : 0%</i>								
<i>Location : Lower Roof</i>								
<i>Explanation : Access Through Police Precinct Next Door</i>								
Soffits								
Exposed Struc: Steel	50%			LIFE	**	5		
Masonry: Brownstone	50%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$19,100	
Ceramic Tile	5%			2039	**	5	\$1,000	
Panel/Paver: Cer/Brk	10%			2046	**	5	\$4,400	
Quarry Tile	5%			2035	**	5	\$1,500	
Terrazzo	10%			LIFE	**	5	\$1,500	
Vinyl Tile	25%	Now	\$2,900	2030	\$143,600	3	\$1,800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Laundry Room.</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Various Locations</i>								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	10%			2039	**	5	\$2,200	
Concrete Masonry Unit	15%	4+	\$6,600	LIFE	**	5	\$1,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Basement Corridor</i>								
Glass: Single Pane	5%			LIFE	**	5	\$800	
Gypsum Board	5%	Now	\$1,600	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Lounge And Gymnasium</i>								
SGFT/Glazed Masonry	55%			LIFE	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 39/ LADDER CO. 16 (COMBINED FACILITY)
Asset # : 13027

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileSusp.Lay-In	35%			2043	**	5	\$6,800	
Exposed Struc: Concrete	50%	4+	\$31,200	LIFE	**	5	\$1,500	

Paint Peeling, Extent : Moderate, Area Affected : 2%

Location : Apparatus Area

Spalling, Extent : Light, Area Affected : 2%

Location : Apparatus Area

Gypsum Board	15%	Now	\$1,100	LIFE	**	5	\$3,600	
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Broken/Missing Elements, Extent : Moderate, Area Affected : 25%

Location : Lounge And Gymnasium

Cracking/Crumbling, Extent : Moderate, Area Affected : 25%

Location : Lounge And Gymnasium

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2035	**			
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Parking/Driveway

Cast in Place Concrete	100%			2035	**			
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Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Not Accessible	100%							
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Other Observation, Extent : N/A, Area Affected : 0%

Location : In Police Precinct

Explanation : Main Service

Switchgear / Switchboard

Not Accessible	100%							
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Raceway

Conduit	100%			2040	**	1		
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Panelboards

Molded Case Bkrs	100%			2029	\$53,200	5	\$300	
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Wiring

Thermoplastic	100%			2040	**	1		
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Motor Controllers

Locally Mounted	100%			2035	**	5	\$100	
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Ground

Grounding Devices

Not Accessible	100%							
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Other Observation, Extent : N/A, Area Affected : 0%

Location : In Police Precinct

Explanation : Ground

Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 39/ LADDER CO. 16 (COMBINED FACILITY)
Asset # : 13027

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	20%			2030	\$24,100	10	\$2,400	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fluorescent	80%			2035	**	10	\$9,500	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Egress Lighting								
Emergency, Service	50%			2030	\$4,300	1		
Exit, Service	50%			2030	\$3,000	1		
Exterior Lighting								
HID	5%			2030	\$3,200	10		
No Component	95%							
Lightning Protection								
Arresters/Cabling	100%							
Alarm								
Fire/Smoke Detection								
No Component	90%							
Generic, Analog	10%	Now	\$3,600	2035	**	1-3	\$700	
<i>Devices Missing, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Local/Battery Operated Detect, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Electricity	50%			2050	**	1		
Not Accessible	50%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Located In Adjacent Building</i>								
Conversion Equipment								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Located In Adjacent Building</i>								
Distribution								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Located In Adjacent Building</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 39/ LADDER CO. 16 (COMBINED FACILITY)
Asset # : 13027

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convactor/Radiator	50%			2028	\$56,800	1	\$2,100	
Fan Coil Unit/Heat	50%			2035	**	1	\$2,100	
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		
Conversion Equipment								
Window/Wall Unit	20%	4+	\$3,200	2028	\$10,500	1		
			<i>On Extended Life, Extent : Light, Area Affected : 20%</i>					
			<i>Location : Various Locations Throughout</i>					
Not Accessible	80%							
			<i>Other Observation, Extent : Light, Area Affected : 0%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Located In Adjacent Building</i>					
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$16,900	
			<i>Abandoned in Place, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Various Locations Throughout</i>					
Terminal Devices								
Not Accessible	100%							
			<i>Other Observation, Extent : Light, Area Affected : 0%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Located In Adjacent Building</i>					
Heat Rejection								
Not Accessible	100%							
			<i>Other Observation, Extent : Light, Area Affected : 0%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Located In Adjacent Building</i>					
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$7,200	
Exhaust Fans								
Roof	100%	Now	\$8,100	2030	\$27,000	2	\$300	
			<i>Broken, Extent : Severe, Area Affected : 30%</i>					
			<i>Location : Serves Locker Room</i>					
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	**	1		
Water Heater With Tanks								
Electric	100%			2024	\$25,300	4		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 2nd Floor</i>					
			<i>Explanation : One 120 Gallon Unit Used As Backup</i>					
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 39/ LADDER CO. 16 (COMBINED FACILITY)
Asset # : 13027

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System								
	No Component	98%						
	Generic	2%			2025	\$1,700	1-3	\$1,500
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Kitchen Hood</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 4/ LADDER CO. 15 (COMBINED FACILITY) HIGH RISE
Address : 42 SOUTH STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.004 / 13003 **Yr Built/Renovated** : 1987 /
Area Sq Ft : 15,750 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Nov-2018 **Landmark Status** : NONE
Areas Surveyed : Floors 1,2,3,Mez
Block : 35 **Lot** : 1 **BIN** : 1000867

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$57,500	\$57,500
Interior Architecture		\$89,600
Electrical	\$99,500	
Mechanical		\$510,000
Total	\$157,000	\$657,200
Importance Code A	\$57,500	\$57,500
Importance Code B	\$99,500	\$599,600
Total	\$157,000	\$657,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$800	\$10,800		
Interior Architecture	\$49,800	\$900		\$900
Electrical	\$6,600	\$2,700	\$1,200	\$1,200
Mechanical	\$14,500	\$18,900	\$8,300	\$1,300
Total	\$71,700	\$33,200	\$9,400	\$3,400
Importance Code A	\$1,600	\$11,600	\$800	\$800
Importance Code B	\$43,000	\$21,600	\$8,600	\$2,600
Importance Code C	\$27,100			
Total	\$71,700	\$33,200	\$9,400	\$3,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 4/ LADDER CO. 15 (COMBINED FACILITY) HIGH RISE
Asset # : 13003

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Granite	50%			LIFE	**	5	\$21,600	
Metal Panel	10%			2050	**	5-10	\$39,600	
Wood Overhead Doors	40%			2035	**	5	\$115,100	
Windows								
Aluminum	55%			2038	**	5	\$400	
Metal Louvers	45%	Now	\$800	2039	**			
<i>Bent/Warped Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor</i>								
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor</i>								
Soffits								
Metal Panel	65%			2050	**	5-10		
Granite Panels	35%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	55%			LIFE	**	5	\$28,300	
Ceramic Tile	10%			2039	**	5	\$2,400	
Quarry Tile	5%			2035	**	5	\$1,800	
Vinyl Tile	30%	Now	\$9,500	2035	**	3	\$2,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Locker Room And Corridors</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Locker Room And Corridors</i>								
Interior Walls								
Ceramic Tile	10%			2039	**	5	\$3,600	
Gypsum Board	45%			LIFE	**	5	\$9,700	
SGFT/Glazed Masonry	40%	Now	\$25,300	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Back Wall Of Apparatus Area</i>								
Wood	5%			LIFE	**	5	\$7,200	
Ceilings								
AcousTileSusp.Lay-In	40%	4+	\$3,100	2035	**	5	\$4,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
Exposed Struc: Steel	15%			LIFE	**			
Fiber Board	25%	Now	\$9,000	2030			\$89,600	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : 3rd Floor Mechanical Spaces</i>								
<i>Explanation : Exposed Silver / Foil Insulation Delaminated And Punctured.</i>								
Gypsum Board	20%			LIFE	**	5	\$5,900	
Site Pavements								
Public Sidewalk								
Pavers/Stone	100%			2033				

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 4/ LADDER CO. 15 (COMBINED FACILITY) HIGH RISE
Asset # : 13003

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Parking/Driveway

Cast in Place Concrete	100%			2035	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2050	**	5	\$100	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room**Explanation : 800 Amperes 480 volts 3 Phase*

Raceway

Conduit	80%			2030	\$28,800	1		
Conduit	20%			2040	**	1		

Panelboards

Molded Case Bkrs	25%			2038	**	5	\$100	
Molded Case Bkrs	75%			2038	**	5	\$300	

Wiring

Thermoplastic	100%			2040	**	1		
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Motor Controllers

Locally Mounted	100%			2035	**	5	\$100	
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Ground

Grounding Devices

Not Accessible	100%							
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Stand-by Power

Transfer Switches

Automatic	100%			2035	**	1	\$4,900	
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Generators

Diesel	100%			2026	\$99,500	1	\$6,100	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Third Floor Mechanical Room**Explanation : 250 Kilovolt-ampere, 480 Volts*

Batteries

Lead/Acid	100%			2024	\$2,400	5	\$600	
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Fuel Storage

Day Tank	50%			2038	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Third Floor Mechanical Room**Explanation : 50 Gallons*

Main Tank	50%			2045	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Third Floor Mechanical Room**Explanation : 75 Gallons*

Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 4/ LADDER CO. 15 (COMBINED FACILITY) HIGH RISE
Asset # : 13003

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		
Conversion Equipment								
Interior Pkg Unit - Cooling Split Unit	50%			2028	\$121,600	2	\$500	
Window/Wall Unit	25%	Now	\$8,700	2030	\$91,300			
	25%			2030	\$14,600	1		
<i>Broken, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor</i>								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$20,500	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$8,800	
Exhaust Fans								
Interior	100%			2030	\$68,200	2	\$500	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	**	1		
Water Heater With Tanks								
Gas Fired	100%			2025	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
<i>Explanation : Indirect Fired From Boiler, One 120 Gallon Unit</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Backflow Preventer								
Not Accessible	100%							
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2025	\$800	1-3	\$700	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Kitchen Hood</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 40/ LADDER CO. 35
Address : 131 AMSTERDAM AVENUE @ W. 66 ST.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.040 / 13028 **Yr Built/Renovated** : 1961 /
Area Sq Ft : 7,060 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-May-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Floors 1,2,3
Block : 1137 **Lot** : 7501 **BIN** : 1077844

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture		\$118,500
Electrical		\$63,500
Mechanical		\$101,100
Total		\$283,100
Importance Code B		\$283,100
Total		\$283,100

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$300	\$2,000		
Interior Architecture	\$22,700		\$400	\$1,600
Electrical			\$100	\$4,200
Mechanical	\$5,600	\$1,400	\$4,300	\$2,400
Site Pavements	\$900			
Total	\$29,600	\$3,400	\$4,800	\$8,200
Importance Code A	\$300	\$2,000	\$200	
Importance Code B	\$25,100	\$1,400	\$4,600	\$8,200
Importance Code C	\$4,200			
Total	\$29,600	\$3,400	\$4,800	\$8,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 40/ LADDER CO. 35
Asset # : 13028

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Limestone	60%			LIFE	**	5	\$3,900	
Metal Sect. OHD	15%			2045	**	5	\$4,000	
Granite Panels	25%			LIFE	**	5	\$1,600	
Windows								
Aluminum	100%	4+	\$300	2048	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Bunk Room</i>								
<i>Explanation : Difficult To Open And Close</i>								
Soffits								
Masonry: Limestone	100%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	45%	4+	\$10,900	LIFE	**	5	\$14,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement, Apparatus Floor</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Ceramic Tile	6%			2041	**	5	\$900	
Panel/Paver: Cer/Brk	5%			2048	**	5	\$1,600	
Quarry Tile	4%	Now	\$4,200	2045	**	5	\$400	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Sheet Vinyl/Rubber	10%			2037	**	5	\$2,200	
Vinyl Tile	30%	Now	\$2,400	2032	\$118,500	3	\$1,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Kitchen</i>								
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
<i>Paint Peeling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Cellar</i>								
Ceramic Tile	50%	Now	\$3,300	2035	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Concrete Masonry Unit	10%			LIFE	**	5	\$200	
Gypsum Board	20%			LIFE	**	5	\$700	
Plaster	10%			LIFE	**	5	\$200	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 40/ LADDER CO. 35
Asset # : 13028

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	40%	4+	\$1,900	2045	**	5	\$2,900	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Third Floor Gymnasium, Kitchen</i>								
Exposed Struc: Concrete	30%			LIFE	**	5	\$700	
Exposed Struc: Steel	20%			LIFE	**			
Gypsum Board	10%			LIFE	**	5	\$1,800	
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%			2052	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front</i>								
<i>Explanation : Planter</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2045	**			
Parking/Driveway								
Cast in Place Concrete	100%	4+	\$900	2045	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Truck Apron</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2032	\$14,700	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2032	\$63,500	5	\$200	
Raceway								
Conduit	80%			2032	\$28,800	1		
Conduit	20%			2052	**	1		
Panelboards								
Fused Disc Sw	5%			2031	\$2,400	5		
Molded Case Bkrs	65%			2031	\$31,500	5	\$100	
Molded Case Bkrs	30%			2048	**	5	\$100	
Wiring								
Thermoplastic	70%			2032	\$22,800	1		
Thermoplastic	30%			2052	**	1		
Motor Controllers								
Locally Mounted	40%			2030	\$7,100	5		
Locally Mounted	60%			2045	**	5		

Ground

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 40/ LADDER CO. 35
Asset # : 13028

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Ground

Grounding Devices
Generic

100% LIFE ** 5 \$100

Lighting

Interior Lighting
LED

100% 2040 **

Egress Lighting

Emergency, Battery
No Component

50% 2037 ** 10 \$900
50%

Exterior Lighting

HID
LED
No Component

10% 2027 \$3,200 10
10% 2040 **
80%

Mechanical

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source
Electricity

100% 2058 ** 1

Conversion Equipment
Pres. Reducing Valve/LP
Steam

100% 2041 ** 5 \$400

Distribution

Central Plant Steam
Piping/Pmp

100% Now \$3,900 2052 ** 4 \$300

*Steam Traps Faulty, Extent : Moderate, Area Affected : 5%
Location : Basement*

Terminal Devices
Air Handler

100% 2037 ** 1 \$4,400

Air Conditioning

Energy Source
Electricity

100% 2054 ** 1

Conversion Equipment
Int Pkg Unit -
Heating/Cooling
Split Unit

90% 2033 \$101,100 2 \$400
10% 2037 **

Distribution

Ductwork/Diffusers

100% LIFE ** 2 \$9,200

Terminal Devices
Air Handler/Cool/Ht

100% 2037 ** 1 \$4,400

Ventilation**Distribution**

Ductwork/Diffusers

100% LIFE ** 2-5 \$3,900

Exhaust Fans

Interior

100% 2037 ** 2 \$200

Plumbing

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.*

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*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 40/ LADDER CO. 35
Asset # : 13028

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Plumbing								
	H/C Water Piping Brass/Copper	100%			2052	**	1	
	Water Heater With Tanks Electric	100%			2030	\$23,100	4	
	HW Heat Exchanger Steam Fired	100%			2052	**	4	\$1,000
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping Cast Iron	100%			LIFE	**	1	
	Sump Pump(s) Submersible	100%	Now	\$200	2027	\$200	4	\$200
<i>Broken, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fixtures								
	Generic	100%						
Fire Suppression								
	Standpipe Generic	100%			2052	**	1-5	\$3,600
	Sprinkler No Component	25%						
	Generic	75%			2052	**	1-2	\$1,500

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 42/ LADDER CO. 56
Address : 1781 MONROE AVENUE @ E. 175 ST.
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.042 / 13030 **Yr Built/Renovated** : 1913 / 2012
Area Sq Ft : 8,064 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Jan-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2797 **Lot** : 35 **BIN** : 2007448

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$278,100	
Interior Architecture	\$160,000	
Total	\$438,100	
Importance Code A	\$278,100	
Importance Code B	\$160,000	
Total	\$438,100	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$62,300			
Interior Architecture	\$42,600	\$500		\$100
Electrical	\$100		\$7,100	
Mechanical	\$3,200	\$1,100	\$23,400	\$1,100
Site Enclosure	\$3,000			
Site Pavements	\$6,100			
Total	\$117,400	\$1,500	\$30,500	\$1,100
Importance Code A	\$63,100	\$800	\$800	\$800
Importance Code B	\$43,600	\$600	\$29,700	\$300
Importance Code C	\$10,700	\$200		
Total	\$117,400	\$1,500	\$30,500	\$1,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 42/ LADDER CO. 56
Asset # : 13030

Architecture	Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$60,000	LIFE	**	5	\$14,900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Hose Tower</i>								
<i>Repointing Failure, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North Facade, South Facade</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement Foundation Wall, 2nd Floor</i>								
Masonry: Granite	5%	Now	\$1,600	LIFE	**	5	\$800	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Building Base</i>								
Masonry: Limestone	10%	Now	\$16,400	LIFE	**	5	\$1,600	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : East Facade</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	15%	0-2	\$9,000	2036	**	5	\$8,000	
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Doors</i>								
<i>Explanation : Wood Sections Has Gaps At Base. Door Constantly Breaks Down</i>								
Windows								
Aluminum	100%	Now	\$24,800	2056	**	5	\$300	
<i>Bent/Warped Elements, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,500	
Masonry: Brick	90%	2-4	\$10,500	LIFE	**	5	\$1,700	
<i>Expansion Joint Failure, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Corner At Front Of Building</i>								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 42/ LADDER CO. 56
Asset # : 13030

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	97%	Now	\$147,600	2041		**		1
<i>Alligatoring, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Third Floor At Bulkhead</i>								
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Main Roof Near Stair Bulkhead</i>								
<i>Explanation : Trapped Water Under Roof Membrane</i>								
Skylight, Metal/Glass	3%	Now	\$70,400	2061		**		1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	85%	Now	\$17,000	LIFE		**	5	\$22,400
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room And Second Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Area</i>								
Ceramic Tile	5%			2040		**	5	\$600
Quarry Tile	5%	4+	\$2,200	2036		**	5	\$500
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile 9" X 9"	5%	Now	\$5,200	2041		**	3	\$200
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : 2nd Floor Office And Bunker Rooms</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor Office And Bunker Rooms</i>								
Interior Walls								
Ceramic Tile	5%			2040		**	5	\$300
Gypsum Board	10%			LIFE		**	5	\$400
Masonry: Brick	20%			LIFE		**		
Plaster	20%	0-2	\$1,500	LIFE		**	5	\$400
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations Due To Water Infiltration</i>								
SGFT/Glazed Masonry	40%			LIFE		**		
Wood	5%			LIFE		**	5	\$1,300

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 42/ LADDER CO. 56
Asset # : 13030

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Interior									
Ceilings									
AcousTileSusp.Lay-In	5%			2044	**	5	\$800		
Exposed Struc: Concrete	20%			LIFE	**	5	\$500		
Exposed Struc: Steel	15%	Now	\$160,000	LIFE	**				
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Basement Areas At Metal Deck And Support Steel</i>									
Gypsum Board	5%	Now	\$3,900	LIFE	**	5	\$900		
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>									
<i>Location : 2nd Floor Rear Of Building</i>									
Plaster	55%	0-2	\$12,400	LIFE	**	5	\$5,200		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Various Locations At Water Penetration</i>									
Site Enclosure									
Fence/Gates									
Chain Link	100%			2041	**				
Free Standing Walls									
Concrete Masonry Unit	100%	0-2	\$3,000	2051	**				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : North Wall In Rear Yard</i>									
Site Pavements									
On-Site Walkways									
Cast in Place Concrete	100%	2-4	\$6,100	2044	**				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : South Side Walkway</i>									
Electrical		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Under 600 Volts									
Service Equipment									
Fused Disc Sw	100%			2041	**	5			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>									
Raceway									
Conduit	100%			2041	**	1			
Panelboards									
Fused Disc Sw	5%			2039	**	5			
Molded Case Bkrs	95%			2039	**	5	\$200		
Wiring									
Thermoplastic	100%			2041	**	1			
Motor Controllers									
Locally Mounted	100%			2036	**	5	\$100		
Ground									
Grounding Devices									
Generic	100%			LIFE	**	5	\$100		

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FIRE DEPARTMENT - 057
ENGINE CO. 42/ LADDER CO. 56
Asset # : 13030

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	95%			2036	**	10	\$7,000	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Incandescent	5%			2031	\$4,900	2		
Exterior Lighting								
HID	20%			2031	\$7,400	10		
Incandescent	10%			2031	\$4,200	2		
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2051	**	1		
Conversion Equipment Steam Boiler	100%			2044	**	1	\$8,000	
Distribution Steam Piping/Pump	100%			2041	**			
Terminal Devices Convactor/Radiator	100%	0-2	\$1,300	2036	**	1	\$2,300	
<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 4th Floor. Radiator At Bunk Bed Office Area</i>								
Air Conditioning								
Energy Source Electricity	100%			2047	**	1		
Conversion Equipment Window/Wall Unit	75%	0-2	\$1,100	2026	\$22,400	1		
<i>Malfunctioning, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Various. 30 Percent Of The Window Units Are Working</i>								
No Component	25%							
Plumbing								
H/C Water Piping Brass/Copper	100%			2041	**	1		
<i>No Water Meter, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Water Heater With Tanks Gas Fired	100%			2029	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallon Unit</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057
ENGINE CO. 42/ LADDER CO. 56
Asset # : 13030**

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	Backflow Preventer								
	No Component	95%							
	Generic	5%			2036		**	1	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
		<i>Location : Basement</i>							
		<i>Explanation : Serves Boiler Only</i>							
<hr/>									
	Fixtures								
	Generic	100%							
<hr/>									

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 43/ LADDER CO. 59
Address : 1901 SEDGWICK AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.043 / 13031 **Yr Built/Renovated** : 1902 / 2003
Area Sq Ft : 7,956 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Oct-2019 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2881 **Lot** : 140 **BIN** : 2009252

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$127,500	
Total	\$127,500	
Importance Code A	\$127,500	
Total	\$127,500	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$15,600		\$1,200	\$11,100
Interior Architecture	\$82,700	\$300	\$2,700	\$500
Electrical	\$400	\$200	\$2,500	\$200
Mechanical	\$10,300	\$1,300	\$16,900	\$1,100
Site Enclosure	\$900			
Total	\$109,900	\$1,900	\$23,300	\$13,000
Importance Code A	\$16,300	\$800	\$2,000	\$11,900
Importance Code B	\$80,700	\$900	\$21,300	\$1,100
Importance Code C	\$12,800	\$100		
Total	\$109,900	\$1,900	\$23,300	\$13,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 43/ LADDER CO. 59
Asset # : 13031

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	10%	Now	\$3,800	2041	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : South Elevation At Shed Addition</i>								
Masonry: Brick	80%	4+	\$63,300	LIFE	**	5	\$15,700	
<i>Painted Surfaces, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North Facade</i>								
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 3%</i>								
<i>Location : South Wall At Driveway Has Vehicular Impact Damage</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : North Wall At Grease Exhaust, Observed Grease Stains On Brick</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : North Facade</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Side Elevation Next To Park</i>								
Masonry: Granite	1%			LIFE	**	5	\$100	
Masonry: Limestone	5%			LIFE	**	5	\$700	
Metal Sect. OHD	4%			2036	**	5	\$2,500	
Windows								
Aluminum	98%	Now	\$9,000	2047	**	5	\$200	
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Wood	2%			2047	**	5	\$100	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,000	
Masonry: Brick	90%	0-2	\$2,800	LIFE	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : North Parapet Wall Exhibits Cracking</i>								
Roof								
Modified Bitumen	78%	Now	\$64,300	2041	**			
<i>Blisters, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Roof</i>								
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Roof Front Wall</i>								
Roll Roofing	20%			2027	\$9,800	5	\$2,600	
Skylight, Metal/Glass	2%			2051	**	10	\$500	

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 43/ LADDER CO. 59
Asset # : 13031

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Interior									
Floors									
Cast in Place Concrete	30%			LIFE	**	5	\$7,200		
Ceramic Tile	3%			2040	**	5	\$300		
Ceramic Tile	2%	Now	\$4,800	2046	**	5	\$100		
<i>Water Penetration, Extent : Severe, Area Affected : 100%</i>									
<i>Location : 2nd Floor Shower Room, Engine Office</i>									
Quarry Tile	20%	Now	\$31,400	2044	**	5	\$1,600		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Kitchen, Pantry</i>									
<i>Worn/Eroded, Extent : Severe, Area Affected : 40%</i>									
<i>Location : Kitchen, Pantry</i>									
Vinyl Tile	5%			2036	**	3	\$300		
Vinyl Tile	30%	Now	\$26,500	2041	**	3	\$1,200		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>									
<i>Location : 2nd Floor</i>									
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>									
<i>Location : 2nd Floor</i>									
Wood	10%			2046	**	5	\$2,000		
Interior Walls									
Ceramic Tile	5%			2040	**	5	\$300		
Concrete Masonry Unit	5%			LIFE	**	5	\$100		
Gypsum Board	10%			LIFE	**	5	\$400		
Masonry: Brick	2%			LIFE	**				
Plaster	40%	Now	\$2,800	LIFE	**	5	\$700		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>									
<i>Location : Engine Office At Window</i>									
Plywood/Hardboard	3%			LIFE	**				
SGFT/Glazed Masonry	35%	0-2	\$9,100	LIFE	**				
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>									
<i>Location : At Stair/ Missing Elements</i>									
Ceilings									
AcousTileSusp.Lay-In	30%			2036	**	5	\$3,300		
Embossed Metal	50%	Now	\$8,000	LIFE	**	5	\$2,500		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>									
<i>Location : Apparatus Room Front</i>									
<i>Deformed/Dented, Extent : Severe, Area Affected : 5%</i>									
<i>Location : 1st And 2nd Floors</i>									
Exposed Struc: Steel	20%			LIFE	**				
Site Enclosure									
Fence/Gates									
Chain Link	100%	4+	\$900	2051	**				
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>									
<i>Location : Side Yard Walkway</i>									
Retaining Walls									
Cast in Place Concrete	100%			2066	**				
Site Pavements									

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FIRE DEPARTMENT - 057
ENGINE CO. 43/ LADDER CO. 59
Asset # : 13031

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2044		**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2041		**	5	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Main Service Disconnect Switch Rated At 200 Amperes.*

Switchgear / Switchboard

Molded Case Bkrs	100%			2041		**	5	\$200
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Raceway

Conduit	100%			2041		**	1	
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Panelboards

Molded Case Bkrs	100%			2039		**	5	\$200
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Wiring

Thermoplastic	100%			2041		**	1	
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Motor Controllers

Locally Mounted	100%			2036		**	5	\$100
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Ground

Grounding Devices

Generic	100%			LIFE		**	5	\$100
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Stand-by Power

Transfer Switches

Automatic	100%			2036		**	1	\$2,500
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Lighting

Interior Lighting

LED	100%			2036		**		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout The Building**Explanation : LED Light Fixtures*

Exterior Lighting

HID	25%			2031	\$9,100		10	
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Incandescent	5%			2026	\$2,100		2	
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No Component	70%							
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Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 43/ LADDER CO. 59
Asset # : 13031

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
Energy Source								
	Electricity	1%			2051	**	1	
	Natural Gas	99%			2051	**	1	
Conversion Equipment								
	Radiant Heater	1%			2036	**	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Electric Unit Heater</i>								
	Steam Boiler	99%			2044	**	1	\$7,800
<i>Damaged, Extent : Light, Area Affected : 50%</i>								
<i>Location : Rusted And Damaged Window Louvers In Boiler Room</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 99%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units Gas Fired Boilers</i>								
Distribution								
	Central Plant Steam Piping/Pmp	100%			2041	**	4	\$600
Terminal Devices								
	Convactor/Radiator	100%			2036	**	1	\$2,600
Air Conditioning								
Energy Source								
	Electricity	100%			2047	**	1	
Conversion Equipment								
	Interior Pkg Unit - Cooling	20%			2032	\$24,600	2	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Serves Sitting Room And Racquetball Court</i>								
	Split Unit	10%	0-2	\$9,200	2031	\$18,500		
<i>Not in Service, Extent : Light, Area Affected : 50%</i>								
<i>Location : Defective Unit</i>								
	Window/Wall Unit	50%			2026	\$14,700	1	
	No Component	20%						
Distribution								
	Ductwork/Diffusers	20%			LIFE	**	2	\$2,100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Sitting And Members Rooms</i>								
	No Component	80%						
Terminal Devices								
	Fan Coil - 2 Pipe	10%			2031	\$19,000	1	\$300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Members Room</i>								
	No Component	90%						
Ventilation								

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FIRE DEPARTMENT - 057
ENGINE CO. 43/ LADDER CO. 59
Asset # : 13031

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,400	
Exhaust Fans								
Interior	90%			2031	\$31,000	2	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 50%</i>						
		<i>Location : Apparous Room</i>						
		<i>Explanation : On Extended Life</i>						
Roof	10%			2036	**	2		
		<i>Other Observation, Extent : Light, Area Affected : 25%</i>						
		<i>Location : Lower Level Roof</i>						
		<i>Explanation : 1 Exhaust Fan And 1 Split Unit On Lower Level Roof</i>						
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		
		<i>Antiquated, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>No Water Meter, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
Water Heater With Tanks								
Gas Fired	100%			2029	\$16,700	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two 75 Gallon Units</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
		<i>Other Observation, Extent : Moderate, Area Affected : 15%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Engine Office Bathroom Is Leaking</i>						
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Backflow Preventer								
No Component	95%							
Generic	5%			2036	**	1		
Fixtures								
Generic	100%							
		<i>Other Observation, Extent : Light, Area Affected : 65%</i>						
		<i>Location : Various Locations</i>						
		<i>Explanation : 2 Broken Sinks, 1 Broken Urinal</i>						
		<i>1 Low Water Pressure</i>						
		<i>2/3 Of Mens Bathroom In Need Of Repair</i>						

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 44
Address : 221 EAST 75th STREET BTWN 2ND AVE. - 3RD AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.044 / 13032 **Yr Built/Renovated** : 1881 / 2011
Area Sq Ft : 6,250 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-Dec-2018 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1430 **Lot** : 10 **BIN** : 1044059

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture		\$74,400
Electrical		\$102,800
Total		\$177,100
Importance Code B		\$177,100
Total		\$177,100

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$25,200	\$13,300		
Interior Architecture	\$8,800			\$300
Electrical	\$400	\$19,300	\$500	\$400
Mechanical	\$37,200	\$800	\$700	\$700
Site Pavements	\$500			
Total	\$72,200	\$33,500	\$1,200	\$1,400
Importance Code A	\$25,600	\$13,700	\$300	\$300
Importance Code B	\$46,400	\$19,800	\$800	\$1,100
Importance Code C	\$200			
Total	\$72,200	\$33,500	\$1,200	\$1,400



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 44
Asset # : 13032

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%	2-4	\$23,500	LIFE	**	5	\$14,600	
<i>Efflorescence, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : West Facade By Front Entrance</i>								
Masonry: Brownstone	15%			LIFE	**	5	\$2,400	
Metal Panel	5%			2040	**	5-10	\$7,200	
Wood Overhead Doors	10%			2035	**	5	\$10,400	
Windows								
Aluminum	100%			2038	**	5	\$500	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$600	
Masonry: Brick	70%			LIFE	**	5	\$500	
<i>Efflorescence, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Areas On All Elevations</i>								
Metal Cornice	20%			2045	**	10	\$500	
Roof								
Asphalt Shingle	5%			2039	**	10	\$100	
Modified Bitumen	90%			2035	**	10	\$5,700	
Skylight, Metal/Glass	5%	4+	\$1,700	2040	**			
<i>Air Infiltration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Lower Roof</i>								
<i>Corrosion/Rusting, Extent : Light, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	**	5	\$6,000	
Ceramic Tile	5%			2039	**	5	\$500	
Quarry Tile	5%			2043	**	5	\$700	
Vinyl Tile	30%			2030	\$74,400	3	\$1,400	
Wood	30%	4+	\$8,000	2045	**	5	\$2,600	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2039	**	5	\$500	
Masonry: Brick	15%			LIFE	**			
Plaster	60%			LIFE	**	5	\$1,600	
SGFT/Glazed Masonry	20%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	5%			2043	**	5	\$500	
Embossed Metal	68%			LIFE	**	5	\$2,800	
Exposed Struc: Concrete	20%			LIFE	**	5	\$300	
Exposed Struc: Wood	5%			LIFE	**			
Gypsum Board	1%			LIFE	**	5	\$100	
Plaster	1%			LIFE	**	5	\$100	
Site Pavements								

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FIRE DEPARTMENT - 057
ENGINE CO. 44
Asset # : 13032

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%	0-2	\$500	2035		**		
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 5%**Location : Adjacent To Driveway Apron*

Parking/Driveway

Cast in Place Concrete	100%			2043		**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	90%			2040		**	5	
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*Enclosure Corroded, Extent : Moderate, Area Affected : 10%**Location : Basement**Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement**Explanation : 400 Ampere Main Switch*

Photovoltaic Panel(s)	10%			2039		**	1	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Roof**Explanation : Feeds Hot Water Heater*

Switchgear / Switchboard

Fused Disc Sw	80%			2030	\$50,800		5	
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Molded Case Bkrs	20%			2030	\$12,700		5	
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Raceway

Conduit	25%			2050		**	1	
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Conduit	75%			2040		**	1	
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Panelboards

Molded Case Bkrs	75%			2038		**	5	\$100
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Molded Case Bkrs	25%			2046		**	5	
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Wiring

Thermoplastic	100%			2040		**	1	
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Ground

Grounding Devices

Generic	100%			LIFE		**	5	\$100
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Stand-by Power

Transfer Switches

Automatic	100%			2043		**	1	\$1,900
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Generators

Diesel	100%			2039		**	1	\$2,400
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 41 Watts*

Batteries

Nickel Cadmium	100%			2025	\$2,400		5	\$1,400
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FIRE DEPARTMENT - 057
ENGINE CO. 44
Asset # : 13032

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Stand-by Power

Fuel Storage

Day Tank

100%

2046

* *

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 26 Gallons*

Lighting

Interior Lighting

Fluorescent

98%

2030

\$52,000

10

\$5,600

*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 98%**Location : Throughout**T-12 Lamps And Fixtures, Extent : Light, Area Affected : 2%**Location : Throughout*

Incandescent

2%

2025

\$1,500

2

Egress Lighting

Emergency, Service

50%

2035

* *

1

Exit, Service

50%

2035

* *

1

Exterior Lighting

HID

50%

2025

\$14,200

10

No Component

50%

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2050

* *

1

Conversion Equipment

Hot Water Boiler

100%

2047

* *

1

\$3,100

Distribution

Hot Wtr Piping/Pump

100%

2052

* *

4

\$500

Terminal Devices

Convactor/Radiator

100%

Now

\$1,000

2035

* *

1

\$1,800

*Leak Evident, Extent : Moderate, Area Affected : 10%**Location : 3rd Floor TV Room And Gymnasium Radiator**Other Observation, Extent : Light, Area Affected : 20%**Location : 1st Floor**Explanation : Underfloor Radiant Heat*

Air Conditioning

Energy Source

Electricity

100%

2038

* *

1

Conversion Equipment

Split Unit

20%

Now

\$14,500

2030

\$29,000

*Other Observation, Extent : Severe, Area Affected : 20%**Location : Kitchen And Bunk Room**Explanation : Bunk Room Undersized So Temporary Floor Mounted Unit Is Used*

Window/Wall Unit

80%

2024

\$18,500

1

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FIRE DEPARTMENT - 057
ENGINE CO. 44
Asset # : 13032

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
	Exhaust Fans							
	Roof	100%	Now	\$2,400	2035	**	2	\$200
			<i>Other Observation, Extent : Severe, Area Affected : 30%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : Undersized</i>					
Plumbing								
	H/C Water Piping							
	Galvanized Steel	100%			2043	**	1	
	Water Heater With Tanks							
	Gas Fired	100%			2029	\$16,700	2	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 Units</i>					
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2024	\$200	4	\$200
	Backflow Preventer							
	Generic	100%			2035	**	1	\$400
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	No Component	98%						
	Generic	2%			2028	\$1,600	1-3	\$1,500

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 46/ LADDER CO. 27 COMBINED FACILITY/ 48TH PCT.
Address : 460 CROSS BRONX EXPRESSWAY
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.046 / 13034 **Yr Built/Renovated** : 1972 /
Area Sq Ft : 8,790 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-Jan-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2907 **Lot** : 10 **BIN** : 2009509

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$240,800	
Mechanical		\$166,600
Total	\$240,800	\$166,600
Importance Code A	\$240,800	
Importance Code B		\$166,600
Total	\$240,800	\$166,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$29,700		\$2,900	
Interior Architecture	\$32,800			\$600
Electrical		\$100	\$12,800	
Mechanical	\$58,300	\$1,700	\$6,300	\$1,700
Site Pavements	\$9,100			
Total	\$129,900	\$1,800	\$22,000	\$2,400
Importance Code A	\$29,700		\$2,900	
Importance Code B	\$96,300	\$1,800	\$19,100	\$2,400
Importance Code C	\$3,900			
Total	\$129,900	\$1,800	\$22,000	\$2,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 46/ LADDER CO. 27 COMBINED FACILITY/ 48TH PCT.
Asset # : 13034

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$103,600	LIFE	**	5	\$12,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Side Elevation Near Side Door</i>								
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Over Front Entrance</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
<i>Explanation : Netting To Prevent Falling Brick Up For More Than 5 Years</i>								
Metal Sect. OHD	10%			2036	**	5	\$5,800	
Pre-Cast Concrete	20%	4+	\$13,000	LIFE	**	5	\$12,000	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%	2-4	\$2,100	2039	**	5	\$200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor</i>								
Parapets								
Cast Stone/Terra Cotta	15%	Now	\$400	LIFE	**	5	\$800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 2%</i>								
<i>Location : High Roof</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Parapet</i>								
Masonry: Brick	85%	0-2	\$14,100	LIFE	**	5	\$600	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout Parapet</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof And Mechanical Bulkhead</i>								
<i>Miss/Damaged Copings, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Main Roof At Front Of Building</i>								
Roof								
Modified Bitumen	100%	Now	\$137,200	2041	**			
<i>Alligatoring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Blisters, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
Soffits								
Metal Panel	50%			2051	**	5-10		
Stucco Cement	50%			2036	**	5		

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 46/ LADDER CO. 27 COMBINED FACILITY/ 48TH PCT.
Asset # : 13034

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$12,800	
Ceramic Tile	15%			2034	**	5	\$2,200	
Terrazzo	10%			LIFE	**	5	\$1,100	
Vinyl Tile	15%	0-2	\$1,200	2036	**	3	\$800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
Vinyl Tile 9" X 9"	20%	Now	\$25,300	2041	**	3	\$1,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 2nd Floor And Penthouse, Bunker Rooms</i>								
Interior Walls								
Ceramic Tile	10%			2034	**	5	\$900	
Concrete Masonry Unit	20%			LIFE	**	5	\$700	
Gypsum Board	10%			LIFE	**	5	\$500	
Plaster	33%	Now	\$3,400	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Walls Adjacent To Steam Room, Sauna And Weight Room, 2nd Floor</i>								
Plywood/Hardboard	2%			LIFE	**			
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	30%	0-2	\$1,300	2036	**	5	\$2,100	
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor Ceiling Below Roof</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Concrete	35%			LIFE	**	5	\$800	
Plaster	35%			LIFE	**	5	\$3,000	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$9,100	2044	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Fire Truck Entry Ramp To Apparatus Area</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2031	\$36,000	1		
Panelboards								
Fused Disc Sw	5%			2030	\$2,400	5		
Molded Case Bkrs	95%			2030	\$46,000	5	\$200	
Wiring								
Thermoplastic	100%			2031	\$32,500	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
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FIRE DEPARTMENT - 057
ENGINE CO. 46/ LADDER CO. 27 COMBINED FACILITY/ 48TH PCT.
Asset # : 13034

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Motor Controllers								
Locally Mounted	70%			2029	\$12,500	5		
Variable Frequency Drive	30%			2044	**			
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
Fluorescent	10%			2036	**	10	\$800	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mechanical Room Penthouse</i>								
LED	90%			2036	**			
Exterior Lighting								
HID	30%			2026	\$12,000	10		
No Component	70%							
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2051	**	1		
Conversion Equipment								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Served By Adjacent NYPD Building</i>								
Distribution								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Served By Adjacent NYPD Building</i>								
Terminal Devices								
Convactor/Radiator	50%	Now	\$700	2044	**	1	\$1,300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Comfort Control Issues</i>								
Unit Heater - Steam	50%			2036	**	4	\$600	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : 1st Floor And Penthouse</i>								
<i>Explanation : Unit Heaters On Apparatus Floor And Penthouse</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2047	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 46/ LADDER CO. 27 COMBINED FACILITY/ 48TH PCT.
Asset # : 13034

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Centrifugal, Elec Chiller	50%	Now	\$4,400	2040	**	1	\$4,300
	<i>Malfunctioning, Extent : Moderate, Area Affected : 60%</i> <i>Location : 2nd Floor. Ineffective Cooling Operaton During Summer Season.</i> <i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i> <i>Location : Roof</i> <i>Other Observation, Extent : Moderate, Area Affected : 100%</i> <i>Location : Roof</i> <i>Explanation : Units Serviced And Controlled By Adjacent NYPD Building</i>							
	Split Unit	10%			2036	**		
	Window/Wall Unit	40%			2024	\$13,000	1	
	<i>Other Observation, Extent : Severe, Area Affected : 100%</i> <i>Location : Throughout</i> <i>Explanation : Window Units Required Due To Ineffective Cooling From Units In The Adjacent NYPD Building</i>							
Distribution								
	Ductwork/Diffusers	100%	Now	\$7,500	LIFE	**	2	\$11,400
	<i>Other Observation, Extent : Moderate, Area Affected : 20%</i> <i>Location : Throughout</i> <i>Explanation : Many Diffusers Covered Over And Damaged</i>							
Terminal Devices								
	Air Handler/Cool/Ht	100%	Now	\$8,300	2031	\$166,600	1	\$4,900
	<i>Other Observation, Extent : Severe, Area Affected : 20%</i> <i>Location : Penthouse On Roof</i> <i>Explanation : Air Handlers Serviced And Controlled By Adjacent NYPD Building/ Comfort Control Issues</i>							
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,900
Exhaust Fans								
	Interior	10%	Now	\$3,800	2041	**	2	
	<i>Broken, Extent : Severe, Area Affected : 100%</i> <i>Location : Ceiling Of The 2nd Floor</i>							
	Interior	40%			2036	**	2	\$100
	Roof	50%			2036	**	2	\$100
	<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Roof</i> <i>Explanation : Old Fan Abandoned In Place</i>							
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2041	**	1	
Water Heater With Tanks								
	Gas Fired	100%			2024	\$16,700	2	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Police Precinct Next Door</i> <i>Explanation : Two 75 Gallon Water Heaters</i>							

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 46/ LADDER CO. 27 COMBINED FACILITY/ 48TH PCT.
Asset # : 13034

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%	Now	\$3,000	LIFE	**	1	
			<i>Blockage /Clogged, Extent : Severe, Area Affected : 40%</i>					
			<i>Location : 1st Floor Drain</i>					
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Wet	10%			2029	\$8,000	1-3	\$8,300
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : System</i>					
	No Component	90%						

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 47
Address : 502 WEST 113TH STREET @ AMSTERDAM AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.047 / 13035 **Yr Built/Renovated** : 1889 /
Area Sq Ft : 5,244 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-May-2021 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1884 **Lot** : 39 **BIN** : 1057000

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Electrical		\$29,300
Total		\$29,300
Importance Code B		\$29,300
Total		\$29,300

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$73,200			\$1,800
Interior Architecture	\$76,800	\$1,600		\$500
Electrical				
Mechanical	\$3,600	\$1,800	\$1,900	\$30,200
Site Pavements	\$1,100			
Total	\$154,700	\$3,400	\$2,000	\$32,500
Importance Code A	\$73,800	\$500	\$500	\$2,300
Importance Code B	\$37,500	\$2,900	\$1,500	\$30,100
Importance Code C	\$43,400			
Total	\$154,700	\$3,400	\$2,000	\$32,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 47
Asset # : 13035

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$9,100	
Masonry: Brick	78%	Now	\$32,200	LIFE	**	5	\$18,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : East Side Of Building</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brownstone	10%	Now	\$14,500	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Exterior Window Sills On East Side Of Building</i>								
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Wood	2%			2037	**	5	\$2,300	
Wood Overhead Doors	5%	Now	\$700	2037	**	5	\$2,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Glazing In Overhead Sectional Door Front Facade</i>								
Windows								
Aluminum	100%	Now	\$9,400	2040	**	5	\$300	
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	45%			LIFE	**	5	\$300	
Masonry: Sandstone	10%	Now	\$4,300	LIFE	**	5	\$100	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 100%</i>								
<i>Location : All Parapets</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 50%</i>								
<i>Location : All Parapet Copings</i>								
Metal Panel	45%			2042	**	5	\$1,200	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 47
Asset # : 13035

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Asphalt Shingle	10%	Now	\$1,300	2035		**		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Roll Roofing	90%	Now	\$10,800	2028	\$36,100	5	\$4,300	
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Main Roof</i>								
<i>Explanation : Base Flashing Broken</i>								
Soffits								
Masonry: Brownstone	100%			LIFE		**	5	
Interior								
Floors								
Cast in Place Concrete	10%	2-4	\$2,200	LIFE		**	5	\$2,700
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2035		**	5	\$600
Mosaic Tile	2%	Now	\$14,600	2052		**	5	\$300
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Laundry Room</i>								
Quarry Tile	5%			2045		**	5	\$900
Vinyl Tile	58%			2037		**	3	\$2,600
Wood	20%	Now	\$7,800	2047		**	5	\$2,300
<i>Uneven Surface, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 3rd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 3rd Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 47
Asset # : 13035

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Interior Walls

Ceramic Tile	5%	Now	\$23,800	2047	**	5	\$300	
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*Broken/Missing Elements, Extent : Severe, Area Affected : 20%**Location : Officers Bathroom*

Concrete Masonry Unit	5%			LIFE	**	5	\$300	
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Glass: Single Pane	5%			LIFE	**	5	\$500	
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Gypsum Board	10%			LIFE	**	5	\$800	
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Masonry: Brick	10%	Now	\$13,700	LIFE	**			
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*Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%**Location : Basement Towards Front**Water Penetration, Extent : Moderate, Area Affected : 30%**Location : Basement*

Metal Panel	10%	Now	\$1,500	LIFE	**			
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*Corrosion/Rusting, Extent : Light, Area Affected : 50%**Location : Throughout*

Plaster	55%	Now	\$3,900	LIFE	**	5	\$2,200	
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 10%**Location : Throughout, Gymnasium*

Ceilings

AcousTileSusp.Lay-In	10%			2037	**	5	\$900	
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Embossed Metal	90%	4+	\$9,400	LIFE	**	5	\$3,700	
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*Bent/Warped Elements, Extent : Moderate, Area Affected : 5%**Location : Throughout*

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%	4+	\$500	2045	**			
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*Cracking/Crumbling, Extent : Light, Area Affected : 10%**Location : Throughout*

On-Site Walkways

Cast in Place Concrete	100%	0-2	\$300	2045	**			
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*Cracking/Crumbling, Extent : Light, Area Affected : 5%**Location : Throughout*

Parking/Driveway

Cast in Place Concrete	100%	0-2	\$400	2045	**			
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*Cracking/Crumbling, Extent : Light, Area Affected : 10%**Location : Throughout*

Activity Yard

Pavers/Stone	100%			2035	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 47
Asset # : 13035

Electrical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2032	\$16,200	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								
Raceway								
Conduit	85%			2032	\$33,500	1		
Conduit	15%			2052	**	1		
Panelboards								
Fused Disc Sw	5%			2031	\$2,700	5		
Molded Case Bkrs	40%			2048	**	5	\$100	
Molded Case Bkrs	55%			2031	\$29,300	5	\$100	
<i>Obsolete Equipment, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : First Floor</i>								
Wiring								
Thermoplastic	40%			2052	**	1		
Thermoplastic	60%			2032	\$21,400	1		
Motor Controllers								
Locally Mounted	100%			2030	\$19,500	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
LED	100%			2040	**			
Exterior Lighting								
LED	20%			2040	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2058	**	1		
Conversion Equipment								
Steam Boiler	100%			2049	**	1	\$5,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%			2042	**	4	\$300	
Terminal Devices								
Convactor/Radiator	90%			2037	**	1	\$1,500	
Unit Heater - Steam	10%			2032	\$3,200	4	\$100	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 47
Asset # : 13035

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Energy Source								
Electricity	100%			2054	**	1		
Conversion Equipment								
Window/Wall Unit	40%	0-2	\$200	2027	\$8,500	1		
		<i>Broken, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Various Location. Broken Front Cover</i>						
No Component	60%							
Ventilation								
Exhaust Fans								
Interior	100%			2032	\$24,900	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2052	**	1		
Water Heater With Tanks								
Gas Fired	100%			2027	\$18,300	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two 74 Gallon Units</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	10%			2030	\$8,700	1-3	\$9,300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Ansul-102</i>						
No Component	80%							
Generic	10%			2030	\$8,700	1-3	\$8,100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Fire Extinguishers</i>						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 48 DIVISION 7 COMMAND CENTER
Address : 2417 WEBSTER AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.048 / 13036 **Yr Built/Renovated** : 1977 / 2010
Area Sq Ft : 11,300 **Project Type** : FIRE DEPARTMENT
Date of Survey : 12-Mar-2020 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 3025 **Lot** : 25 **BIN** : 2011061

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$166,800	
Interior Architecture	\$62,300	
Electrical	\$99,500	\$127,000
Mechanical	\$89,800	
Total	\$418,400	\$127,000
Importance Code A	\$166,800	\$63,500
Importance Code B	\$251,600	\$63,500
Total	\$418,400	\$127,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$39,700		\$3,300	\$800
Interior Architecture	\$20,500	\$400	\$2,500	\$300
Electrical	\$13,600	\$900	\$14,900	\$800
Mechanical	\$16,700	\$6,500	\$20,300	\$6,500
Site Pavements	\$1,900			
Total	\$92,300	\$7,800	\$41,000	\$8,500
Importance Code A	\$40,300	\$600	\$4,000	\$1,400
Importance Code B	\$44,300	\$7,300	\$37,000	\$7,100
Importance Code C	\$7,700			
Total	\$92,300	\$7,800	\$41,000	\$8,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 48 DIVISION 7 COMMAND CENTER
Asset # : 13036

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	10%	0-2	\$11,300	LIFE	**	5	\$9,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Facade</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Various Locations</i>								
Masonry: Brick	75%	4+	\$23,400	LIFE	**	5	\$14,500	
<i>Efflorescence, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Lower Story</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Facade</i>								
Metal Panel	5%	0-2	\$1,300	2041	**	5	\$1,800	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Street Facade</i>								
<i>Loose/Miss Fasteners, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Street Facade</i>								
Metal Sect. OHD	10%			2036	**	5	\$6,100	
Windows								
Aluminum	97%			2047	**	5	\$1,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Facade</i>								
<i>Explanation : Replacement Windows In 2017</i>								
Metal Louvers	3%			2034	**	10	\$300	
Parapets								
Masonry: Brick	90%	4+	\$3,500	LIFE	**	5	\$1,400	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Parapet Walls</i>								
Metal Panel	10%			2051	**	5	\$600	
Roof								
Modified Bitumen	100%	Now	\$166,800	2041	**			1
<i>Blisters, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Drains Inad/Misposn, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Ponding, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Main Roof</i>								
<i>Seams Open/Split, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Bunker Room</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 48 DIVISION 7 COMMAND CENTER
Asset # : 13036

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$62,300	LIFE	**	5	\$16,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor, Gymnasium, Kitchen</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor, Gymnasium, Kitchen Backup From Storm Drain</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Apparatus Floor, Gymnasium, Kitchen</i>								
Ceramic Tile	5%			2040	**	5	\$800	
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : First Floor Bathroom</i>								
<i>Other Observation, Extent : Severe, Area Affected : 2%</i>								
<i>Location : 1st Floor Bathroom</i>								
<i>Explanation : Raw Sewage</i>								
Ceramic Tile	5%	Now	\$4,600	2044	**	5	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : 2nd Floor Bathrooms Have Improper Install, No Vent</i>								
<i>Explanation : Mold</i>								
Quarry Tile	10%			2044	**	5	\$2,500	
Sheet Vinyl/Rubber	20%			2036	**	5	\$5,000	
Vinyl Tile	15%	2-4	\$1,300	2036	**	3	\$900	
<i>Worn/Eroded, Extent : Light, Area Affected : 50%</i>								
<i>Location : Second Floor Corridor, Stair, Bunk Room, Locker Room</i>								
Interior Walls								
Ceramic Tile	5%	Now	\$1,200	2040	**	5	\$600	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : First Floor Bathroom</i>								
Ceramic Tile	5%	Now	\$3,100	2044	**	5	\$600	
<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor Bathrooms Have Improper Install</i>								
<i>Explanation : Mold</i>								
Concrete Masonry Unit	30%			LIFE	**	5	\$2,800	
Gypsum Board	20%	Now	\$1,600	LIFE	**	5	\$2,800	
<i>Paint Peeling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor Room</i>								
SGFT/Glazed Masonry	40%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	55%	Now	\$7,400	2044	**	5	\$4,600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Second Floor</i>								
Exposed Struc: Concrete	40%			LIFE	**	5	\$1,000	
Gypsum Board	5%			LIFE	**	5	\$1,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Roof Hatch On Second Floor</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 48 DIVISION 7 COMMAND CENTER
Asset # : 13036

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Enclosure

Fence/Gates

Chain Link

100%

2051

* *

Site Pavements

Public Sidewalk

Cast in Place Concrete

100%

2044

* *

Parking/Driveway

Cast in Place Concrete

100%

0-2

\$1,900

2044

* *

*Cracking/Crumbling, Extent : Moderate, Area Affected : 10%**Location : Parking Area*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Molded Case Bkrs

100%

2031

\$63,500

5

\$300

*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room 1st Floor**Explanation : One 400 Ampere Main Disconnect Switch*

Switchgear / Switchboard

Molded Case Bkrs

100%

2031

\$63,500

5

\$300

Raceway

Conduit

70%

2031

\$25,200

1

Conduit

30%

2051

* *

1

Panelboards

Fused Disc Sw

5%

2030

\$2,400

5

Molded Case Bkrs

30%

2047

* *

5

\$100

Molded Case Bkrs

65%

2030

\$31,500

5

\$200

Wiring

Thermoplastic

70%

2031

\$22,800

1

Thermoplastic

30%

2051

* *

1

Motor Controllers

Locally Mounted

100%

2029

\$17,800

5

\$100

Ground

Grounding Devices

Generic

100%

0-2

\$10,200

LIFE

* *

5

\$200

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : 1st Floor**Explanation : Corroded*

Stand-by Power

Transfer Switches

Automatic

100%

2029

\$12,900

1

\$3,500

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 48 DIVISION 7 COMMAND CENTER
Asset # : 13036

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Generators								
Diesel	100%			2027	\$99,500	1	\$4,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : One 17.5 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$400	
Fuel Storage								
Day Tank								
	50%			2030	\$12,500	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : One 30 Gallons</i>								
Main Tank	50%			2034	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 250 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent								
	70%			2036	**	10	\$7,300	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
LED	30%			2039	**			
Egress Lighting								
Emergency, Battery								
	50%			2036	**	10	\$1,400	
Exit, LED								
	50%			2059	**	1		
Exterior Lighting								
HID								
	10%			2026	\$5,200	10		
LED								
	10%			2039	**			
No Component								
	80%							
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2051	**	1		
Conversion Equipment								
Hot Water Boiler								
	100%			2044	**	1	\$5,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room.</i>								
<i>Explanation : 1 Unit, 1 Zone For Whole Building</i>								
Distribution								
Hot Wtr Piping/Pump								
	100%	Now	\$1,200	2039	**	4	\$600	
<i>Malfunctioning, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Temperature Controller</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 48 DIVISION 7 COMMAND CENTER
Asset # : 13036

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Terminal Devices								
Convactor/Radiator	60%	Now	\$1,100	2036	**	1	\$2,000	
<i>Damaged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Tv Room</i>								
Unit Heater - Steam	40%			2036	**	4	\$600	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Split Unit	45%			2036	**			
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Roof</i>								
<i>Explanation : 5 Units. R-410a</i>								
Window/Wall Unit	15%			2026	\$6,300	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	40%			2036	**	1	\$1,500	
Fan Coil - 2 Pipe	5%			2026	\$10,100	1	\$200	
No Component	55%							
Heat Rejection								
Dry Cooler	45%			2036	**	2	\$3,500	
No Component	55%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%	Now	\$3,900	LIFE	**	2-5	\$2,500	
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Air Circulation Is Very Poor In 2nd Floor Specially The Stay Room.</i>								
No Component	60%							
Exhaust Fans								
Roof	25%			2039	**	2	\$100	
Roof	25%	Now	\$500	2031	\$5,400	2	\$100	
<i>Not in Service, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Roof, Defective Motor</i>								
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		
Water Heater With Tanks								
Gas Fired	100%			2029	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Two 75 Gallon Units</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 48 DIVISION 7 COMMAND CENTER
Asset # : 13036

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Sanitary Piping Cast Iron	100%	Now	\$2,800	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 1st Floor Operational Area</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Apparatus Room</i>								
<i>Explanation : Occasional Sewer Backups</i>								
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							
<i>Leaking Faucets/Valves/Heads, Extent : Light, Area Affected : 20%</i>								
<i>Location : 2nd Floor Slop Sink, Faucets And Urinals Leaking</i>								
Fire Suppression								
Sprinkler								
No Component Generic	80%			2041	**	1-2	\$600	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Partial System Serves Command Center And Corridors</i>								
Chemical System Generic	100%			2026	\$79,700	1-3	\$74,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 5
Address : 340 EAST 14th STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.005 / 13004 **Yr Built/Renovated** : 1880 / 2002
Area Sq Ft : 5,727 **Project Type** : FIRE DEPARTMENT
Date of Survey : 19-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 455 **Lot** : 28 **BIN** : 1006520

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Mechanical	\$79,700	
Total	\$79,700	
Importance Code B	\$79,700	
Total	\$79,700	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$10,500		\$6,600	
Interior Architecture	\$4,100	\$800		\$300
Electrical	\$400	\$400	\$2,900	\$500
Mechanical	\$7,200	\$5,900	\$16,800	\$6,100
Total	\$22,200	\$7,100	\$26,300	\$6,900
Importance Code A	\$10,700	\$300	\$6,900	\$300
Importance Code B	\$11,500	\$6,500	\$19,400	\$6,600
Importance Code C		\$400		
Total	\$22,200	\$7,100	\$26,300	\$6,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 5
Asset # : 13004

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast Iron	3%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Lower Section Of Front Elevation</i>								
<i>Explanation : Painted Surface</i>								
Masonry: Brick	95%			LIFE	**	5	\$24,900	
Wood Overhead Doors	2%			2044	**	5	\$2,600	
Windows								
Aluminum	100%	Now	\$9,200	2047	**	5	\$300	
<i>Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 2nd Floor Bunk Room</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$700	
Masonry: Brick	80%			LIFE	**	5	\$800	
Metal Cornice	10%			2059	**	10	\$300	
Roof								
Modified Bitumen	100%			2036	**	10	\$6,600	
Interior								
Floors								
Cast in Place Concrete	20%			LIFE	**	5	\$3,700	
Ceramic Tile	10%			2040	**	5	\$800	
Terrazzo	5%			LIFE	**	5	\$300	
Vinyl Tile	25%			2036	**	3	\$1,100	
Wood	40%			2059	**	5	\$6,300	
Interior Walls								
Ceramic Tile	5%			2040	**	5	\$700	
Concrete Masonry Unit	30%			LIFE	**	5	\$1,700	
Gypsum Board	30%			LIFE	**	5	\$2,600	
Masonry: Brick	10%			LIFE	**			
Plaster	15%			LIFE	**	5	\$600	
Wood	10%			LIFE	**	5	\$5,800	
Ceilings								
AcousTileSusp.Lay-In	60%			2044	**	5	\$1,400	
Embossed Metal	20%			LIFE	**	5	\$200	
Exposed Struc: Steel	20%			LIFE	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 5
Asset # : 13004

System Component Type	Current Repair			Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment Fused Disc Sw	100%			2057	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>								
Switchgear / Switchboard Molded Case Bkrs	100%			2057	**	5	\$200	
Raceway								
Conduit	90%			2057	**	1		
Conduit	10%			2031	\$3,600	1		
Panelboards								
Fused Disc Sw	5%			2053	**	5		
Molded Case Bkrs	95%			2053	**	5	\$100	
Wiring								
Thermoplastic	100%			2057	**	1		
Motor Controllers								
Locally Mounted	100%			2048	**	5		
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches Automatic	100%			2048	**	1	\$1,800	
Generators								
Diesel	100%			2044	**	1	\$2,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 80 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2026	\$2,400	5	\$200	
Fuel Storage								
Day Tank	50%			2053	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 100 Gallons</i>								
Main Tank	50%			2034	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 550 Gallons</i>								
Lighting								
Interior Lighting LED	100%			2039	**			
Egress Lighting								
Emergency, Service	50%			2039	**	1		
Exit, LED	50%			2066	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 5
Asset # : 13004

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting

LED	20%			2039	**			
No Component	80%							

Alarm

Security System

No Component	90%							
Generic	10%			2039	**	1	\$200	

Other Observation, Extent : Light, Area Affected : 100%

Location : Outside Only

Explanation : CCTV Surveillance Cameras

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas	100%			2051	**	1		
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Conversion Equipment

Hot Water Boiler	100%			2044	**	1	\$2,800	
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Distribution

Hot Wtr Piping/Pump	100%			2047	**	4	\$300	
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Terminal Devices

Convactor/Radiator	100%			2044	**	1	\$1,900	
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Air Conditioning

Energy Source

Electricity	100%			2047	**	1		
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Conversion Equipment

Exterior Pkg Unit - Cooling	60%			2036	**	2	\$200	
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Window/Wall Unit	30%			2029	\$6,400	1		
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Window/Wall Unit	10%	0-2	\$400	2029	\$2,100	1		
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Malfunctioning, Extent : Moderate, Area Affected : 100%

Location : Television Room. Window, Wall Unit Not Working

Heat Rejection

Air Cooled Condenser Unit	100%			2036	**	2	\$4,000	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Roof

Explanation : R-410a

Ventilation

Distribution

Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,200	
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Exhaust Fans

Roof	20%			2031	\$2,200	2		
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Wall Unit	20%			2031	\$500	2		
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No Component	60%							
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FIRE DEPARTMENT - 057
ENGINE CO. 5
Asset # : 13004

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	H/C Water Piping							
	Brass/Copper	20%			2051	**	1	
	Galvanized Steel	80%			2044	**	1	
	Water Heater With Tanks							
	Under Construction	100%						
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Fixtures							
	Generic	100%						
				<i>Leaking Connections, Extent : Moderate, Area Affected : 20%</i>				
				<i>Location : Kitchen Sink Leaking</i>				
				<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : 2nd Floor Laundry Room</i>				
				<i>Explanation : Clogged Drain Line</i>				
Fire Suppression								
	Chemical System							
	Wet	100%			2026	\$79,700	1-3	\$83,300

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 50/ LADDER CO. 19
Address : 1155 WASHINGTON AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.050 / 13037 **Yr Built/Renovated** : 1975 /
Area Sq Ft : 11,344 **Project Type** : FIRE DEPARTMENT
Date of Survey : 03-Mar-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2388 **Lot** : 45 **BIN** : 2001584

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$123,600	
Interior Architecture		\$68,000
Electrical	\$99,500	\$127,000
Mechanical	\$162,100	
Total	\$385,200	\$195,000
Importance Code A	\$123,600	\$63,500
Importance Code B	\$261,600	\$131,500
Total	\$385,200	\$195,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$55,000			
Interior Architecture	\$37,800	\$200	\$1,300	\$600
Electrical	\$3,400	\$900	\$14,600	\$800
Mechanical	\$88,200	\$6,500	\$32,500	\$6,900
Site Enclosure	\$15,700			
Site Pavements	\$33,400			
Total	\$233,500	\$7,600	\$48,300	\$8,300
Importance Code A	\$90,300	\$600	\$700	\$600
Importance Code B	\$96,300	\$6,900	\$47,600	\$7,800
Importance Code C	\$46,800	\$200		
Total	\$233,500	\$7,600	\$48,300	\$8,300



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FIRE DEPARTMENT - 057
ENGINE CO. 50/ LADDER CO. 19
Asset # : 13037

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick Cavity	80%	0-2	\$64,000	LIFE	**	5	\$15,100	
<i>Vegetation Growth, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Corner At Kitchen And At 1st Story Bump Out</i>								
Metal Sect. OHD	15%	4+	\$5,000	2036	**	5	\$4,400	
<i>Deformed/Dented, Extent : Light, Area Affected : 5%</i>								
<i>Location : At Bottom Of Overhead Door</i>								
Pre-Cast Concrete	5%	Now	\$3,300	LIFE	**	5	\$3,100	
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Above House Watch</i>								
Windows								
Aluminum	72%	Now	\$59,600	2056	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement And At House Watch</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Aluminum	28%			2039	**	5	\$500	
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$1,600	
Pre-Cast Concrete	10%	Now	\$7,000	LIFE	**	5	\$1,100	
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Coping</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Coping Joints</i>								
Roof								
Modified Bitumen	75%	Now	\$25,200	2036	**			
<i>Alligatoring, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout Upper Roof</i>								
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Upper Roof</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout</i>								
Modified Bitumen	25%	Now	\$11,200	2036	**			
<i>Ridging, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout Lower Roof</i>								
<i>Seams Open/Split, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Lower Roof</i>								
Soffits								
Stucco Cement	100%	4+	\$3,000	2044	**	5	\$1,800	
<i>Staining/Discoloring, Extent : Light, Area Affected : 80%</i>								
<i>Location : At Corner Of Washington Avenue And 167th Street</i>								
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 50/ LADDER CO. 19
Asset # : 13037

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$14,000	LIFE	**	5	\$18,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Apron At Apparatus Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Apparatus Floor</i>								
Ceramic Tile	10%	Now	\$9,300	2040	**	5	\$800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Shower</i>								
<i>Drains Inad/Misposn, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Shower, Locker Room</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 2nd Floor Showers</i>								
<i>Explanation : Poor Quality Of Construction. Showers Moldy</i>								
Quarry Tile	10%			2036	**	5	\$2,500	
Vinyl Tile	15%	0-2	\$6,800	2031	\$68,000	3	\$900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : First Floor, 2nd Floor Locker And Bunk Room</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Stairwell And First Floor</i>								
Vinyl Tile	15%			2036	**	3	\$1,300	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Interior Walls								
Ceramic Tile	5%			2034	**	5	\$300	
Ceramic Tile	5%			2040	**	5	\$300	
Concrete Masonry Unit	50%			LIFE	**	5	\$1,300	
Gypsum Board	5%			LIFE	**	5	\$200	
Plaster	10%			LIFE	**	5	\$200	
SGFT/Glazed Masonry	20%			LIFE	**	5	\$1,300	
Wood	5%			LIFE	**	5	\$1,300	
Ceilings								
AcousTileSusp.Lay-In	55%	4+	\$3,000	2044	**	5	\$4,600	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Kitchen Area, Bunk Room, And Gymnasium</i>								
Exposed Struc: Concrete	15%			LIFE	**	5	\$400	
Gypsum Board	30%	4+	\$4,300	LIFE	**	5	\$6,300	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Room</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	0-2	\$14,500	2041	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Side Yard And Driveway</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 50/ LADDER CO. 19
Asset # : 13037

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Enclosure								
Retaining Walls								
Cast in Place Concrete	100%	4+	\$1,200	2051		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Driveway</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	90%	4+	\$1,300	2044		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Along 167th Street And Washington Avenue</i>								
Pavers/Stone	10%			2040		**		
Parking/Driveway								
Asphalt								
	90%	Now	\$28,900	2046		**		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Driveway And Side Yard</i>								
<i>Ponding, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Driveway And Side Yard</i>								
<i>Potholes, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Driveway</i>								
<i>Tripping Hazard, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Driveway</i>								
Cast in Place Concrete	10%	4+	\$3,300	2044		**		
<i>Misaligned/Bulging, Extent : Light, Area Affected : 10%</i>								
<i>Location : Driveway</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2031	\$63,500	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	\$63,500	5	\$300	
Raceway								
Conduit	100%			2031	\$36,000	1		
Panelboards								
Fused Disc Sw	5%			2030	\$2,400	5		
Molded Case Bkrs	95%			2030	\$46,000	5	\$300	
Wiring								
Thermoplastic	100%			2031	\$32,500	1		
Motor Controllers								
Locally Mounted	100%			2029	\$17,800	5	\$100	

Ground

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FIRE DEPARTMENT - 057
ENGINE CO. 50/ LADDER CO. 19
Asset # : 13037

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches Automatic	100%			2029	\$12,900	1	\$3,500	
Generators Diesel	100%			2027	\$99,500	1	\$4,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Basement</i>								
<i>Explanation : One 17.5 Kilowatts</i>								
Batteries Lead/Acid	100%			2024	\$2,400	5	\$400	
Fuel Storage Day Tank	50%			2030	\$12,500	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Basement</i>								
<i>Explanation : One 10 Gallons</i>								
Main Tank	50%			2034	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 275 Gallons</i>								
Lighting								
Interior Lighting Fluorescent	30%			2036	**	10	\$3,100	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
LED	70%			2039	**			
Egress Lighting Emergency, Service No Component	50%			2039	**	1		
Exterior Lighting HID No Component	20%			2026	\$10,300	10		
	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2051	**	1		
Conversion Equipment Hot Water Boiler	100%	Now	\$35,300	2036	**	1	\$5,000	
<i>Cracked, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Boiler Room, Cracked Combustion Chamber Spilling Water Profusely</i>								
<i>Leak Evident, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement Boiler Room. Boiler Leaking Water</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 50/ LADDER CO. 19
Asset # : 13037

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Hot Wtr Piping/Pump	100%			2039	**	4	\$600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : There Is Only One Thermostat In The Building</i>								
Terminal Devices								
Convactor/Radiator	70%			2036	**	1	\$2,600	
Fan Coil Unit/Heat	30%			2026	\$82,400	1	\$1,100	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%			2039	**	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 Unit. R-410a</i>								
Split Unit	10%	0-2	\$26,300	2041	**			
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Roof</i>								
<i>Explanation : 2 Units Are On Extend Working Life Time. R-22</i>								
Window/Wall Unit	30%			2026	\$12,600	1		
No Component	40%							
Heat Rejection								
Dry Cooler	10%			2026	\$3,100	2	\$800	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	70%			LIFE	**	2-5	\$4,400	
No Component	30%							
Exhaust Fans								
Interior	40%	0-2	\$19,700	2041	**	2	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : No Ventilation In The Bathroom Area.</i>								
<i>Mold Infestation Evident</i>								
Roof	40%	Now	\$900	2036	**	2	\$100	
<i>Not in Service, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Roof</i>								
No Component	20%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Lack Of Air Circulation In 2nd Floor And The Bathroom</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 50/ LADDER CO. 19
Asset # : 13037

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Water Heater With Tanks Gas Fired	100%			2029	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Non-Submersible	100%			2031	\$2,200	4	\$200	
Fixtures								
Generic	100%							
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor Bathroom</i>								
<i>Explanation : Cracked Shower Stall And Floor</i>								
Fire Suppression								
Sprinkler								
No Component	80%							
Generic	20%			2041	**	1-2	\$600	
Chemical System								
Wet	100%			2026	\$79,700	1-3	\$83,300	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 52/ LADDER CO. 52
Address : 4550 HENRY HUDSON PARKWAY
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.052 / 13038 **Yr Built/Renovated** : 1939 / 1999
Area Sq Ft : 7,326 **Project Type** : FIRE DEPARTMENT
Date of Survey : 28-Feb-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5813 **Lot** : 123 **BIN** : 2084327

CAPITAL		FY 2024 - 2027	FY 2028 - 2033
Site Enclosure			\$80,700
Total			\$80,700
Importance Code C			\$80,700
Total			\$80,700

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$69,900			\$7,500
Interior Architecture	\$87,200	\$500		\$500
Electrical	\$500	\$500	\$3,200	\$600
Mechanical	\$1,200	\$1,500	\$51,900	\$1,000
Site Pavements	\$11,000			
Total	\$169,800	\$2,500	\$55,100	\$9,600
Importance Code A	\$70,600	\$700	\$800	\$8,200
Importance Code B	\$35,800	\$1,800	\$54,300	\$1,400
Importance Code C	\$63,400			
Total	\$169,800	\$2,500	\$55,100	\$9,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 52/ LADDER CO. 52
Asset # : 13038

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	60%	0-2	\$33,500	LIFE	**	5	\$20,800	
<i>Efflorescence, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Rusting Masonry Supt, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Exterior Facades</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Masonry: Brick	30%			LIFE	**	5	\$10,400	
Masonry: Limestone	5%			LIFE	**	5	\$1,300	
Wood Overhead Doors	5%	Now	\$2,400	2029	\$48,600	5	\$4,300	
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Within Overhead Door</i>								
<i>Explanation : Access Door Inoperable</i>								
Windows								
Aluminum	100%	Now	\$13,200	2047	**	5	\$1,400	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Window Lintels At 2nd Floor Shower Room</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Bunker Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor At Shower Room</i>								
Parapets								
Masonry: Brick	5%			LIFE	**	5		
Masonry: Limestone	95%			LIFE	**	5		
<i>Spalling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Left Side Facade At Cornice</i>								
Roof								
Copper/Terne	90%	4+	\$20,400	2059	**			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Over 1st Floor Front Bay Window</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Attic Space With Wood Rafters Supporting Roof Have Water Damage</i>								
Roll Roofing	10%	Now	\$400	2027	\$7,500	5	\$1,000	
<i>Scupper Non-Func/Miss, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Roof Edge</i>								
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 52/ LADDER CO. 52
Asset # : 13038

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Interior									
Floors									
Cast in Place Concrete	50%			LIFE	**	5	\$13,100		
Ceramic Tile	9%			2040	**	5	\$1,100		
Quarry Tile	1%			2044	**	5	\$200		
Terrazzo	5%	4+	\$2,700	LIFE	**	5	\$500		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Cracks In Bathroom Floor</i>									
Vinyl Tile	25%	0-2	\$8,100	2036	**	3	\$1,100		
<i>Worn/Eroded, Extent : Severe, Area Affected : 30%</i>									
<i>Location : 2nd Floor Throughout</i>									
Vinyl Tile 9" X 9"	10%	2-4	\$10,300	2041	**	3	\$500		
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Second Floor</i>									
Interior Walls									
Cast in Place Concrete	10%	Now	\$7,400	LIFE	**				
<i>Water Penetration, Extent : Severe, Area Affected : 3%</i>									
<i>Location : Side Wall And Exercise Area At Cellar</i>									
Ceramic Tile	2%	Now	\$1,100	2040	**	5	\$200		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>									
<i>Location : 2nd Floor Womens Toilet</i>									
Gypsum Board	2%			LIFE	**	5	\$200		
Masonry: Brick	10%	0-2	\$18,400	LIFE	**				
<i>Paint Peeling, Extent : Moderate, Area Affected : 50%</i>									
<i>Location : Cellar</i>									
<i>Spalling, Extent : Moderate, Area Affected : 50%</i>									
<i>Location : Cellar</i>									
Plaster	5%	4+	\$1,200	LIFE	**	5	\$300		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>									
<i>Location : 2nd Floor At Windows</i>									
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : 2nd Floor Television Room</i>									
Plywood/Hardboard	1%			LIFE	**				
SGFT/Glazed Masonry	70%	Now	\$24,400	LIFE	**				
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : 2nd Floor At Stairwell</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : 2nd Floor At Stairwell</i>									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 52/ LADDER CO. 52
Asset # : 13038

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	30%			2048	**	5	\$3,400	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
Exposed Struc: Steel	30%			LIFE	**			
Plaster	40%	Now	\$13,600	LIFE	**	5	\$2,900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Apparatus Room, Soda Closet</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Stairwell At 1st Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Stairwell And Apparatus Room</i>								
Site Enclosure								
Fence/Gates								
Wood	100%			2029			\$80,700	
Free Standing Walls								
Concrete Masonry Unit	100%			2051	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			
Parking/Driveway								
Asphalt	80%	Now	\$11,000	2040	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Edges On Parking Area And Throughout</i>								
Cast in Place Concrete	20%			2044	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2051	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2051	**	5	\$200	
Raceway								
Conduit	100%			2051	**	1		
Panelboards								
Fused Disc Sw	5%			2047	**	5		
Molded Case Bkrs	95%			2047	**	5	\$200	
Wiring								
Thermoplastic	100%			2051	**	1		
Motor Controllers								
Locally Mounted	100%			2044	**	5	\$100	

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FIRE DEPARTMENT - 057
ENGINE CO. 52/ LADDER CO. 52
Asset # : 13038

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Stand-by Power

Transfer Switches

Automatic	100%			2051	**	1	\$2,300	
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Generators

Diesel	100%			2046	**	1	\$2,800	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside**Explanation : One 60 Kilowatts*

Batteries

Lead/Acid	100%			2026	\$2,400	5	\$300	
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Fuel Storage

Main Tank	100%			2071	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 275 Gallons***Lighting**

Interior Lighting

LED	100%			2036	**			
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Egress Lighting

Emergency, Service	50%			2036	**	1		
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Exit, Service	50%			2036	**	1		
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Exterior Lighting

HID	20%			2036	**	10		
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No Component	80%							
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Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas	100%			2051	**	1		
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Conversion Equipment

Steam Boiler	100%			2044	**	1	\$7,300	
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Distribution

Central Plant Steam Piping/Pmp	100%			2041	**	4	\$500	
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Terminal Devices

Convactor/Radiator	100%			2036	**	1	\$2,400	
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Air Conditioning

Energy Source

Electricity	100%			2047	**	1		
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Conversion Equipment

Window/Wall Unit	80%			2026	\$21,700	1		
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No Component	20%							
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*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 52/ LADDER CO. 52
Asset # : 13038

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Includes Make Up Air</i>								
Exhaust Fans								
Interior	90%			2026	\$28,600	2	\$200	
Roof	10%			2031	\$1,400	2		
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	**	1		
Water Heater With Tanks								
Electric	100%			2029	\$23,100	4		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Units Undersized For The Building</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Report Of Backup Every 3 Months In Basement</i>								
Sump Pump(s)								
Submersible	100%			2025	\$200	4	\$200	
Sewage Ejector(s)								
Electric	100%			2036	**	4	\$400	
Backflow Preventer								
Generic	100%			2036	**	1	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Piped Up From Basement</i>								
Fixtures								
Generic	100%							

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 53 (COMBINED FACILITY) 23RD PCT.
Address : 1836 THIRD AVENUE
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.053 / 13039 **Yr Built/Renovated** : 1974 / 2011
Area Sq Ft : 10,648 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Jul-2020 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 1629 **Lot** : 40 **BIN** : 1051850

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$79,200	
Total	\$79,200	
Importance Code A	\$79,200	
Total	\$79,200	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$10,200		\$12,700	
Interior Architecture	\$33,200		\$3,100	\$900
Electrical		\$100		
Mechanical	\$16,000	\$2,500	\$96,000	\$2,600
Total	\$59,300	\$2,600	\$111,900	\$3,500
Importance Code A	\$11,200	\$1,100	\$13,800	\$1,100
Importance Code B	\$47,600	\$1,500	\$98,100	\$2,500
Importance Code C	\$500			
Total	\$59,300	\$2,600	\$111,900	\$3,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 53 (COMBINED FACILITY) 23RD PCT.
Asset # : 13039

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick Cavity	80%			LIFE	**	5	\$8,800	
Pre-Cast Concrete	10%	2-4	\$1,600	LIFE	**	5	\$3,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Front Facade On 3rd Avenue</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	10%			2044	**	5	\$5,500	
Windows								
Aluminum	100%	Now	\$79,200	2056	**	5	\$900	
<i>Hardware Missing, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Old Windows</i>								
Parapets								
Masonry: Brick	85%	0-2	\$3,800	LIFE	**	5	\$1,500	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%</i>								
<i>Location : South East Corner</i>								
Pre-Cast Concrete	15%			LIFE	**	5	\$1,700	
Roof								
Modified Bitumen	100%			2036	**	10	\$12,700	
Soffits								
Stucco Cement	100%			2044	**	5	\$4,100	
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$15,700	
Ceramic Tile	2%	Now	\$7,000	2046	**	5	\$200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Toilet</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
Ceramic Tile	3%			2044	**	5	\$500	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 3%</i>								
<i>Location : 1st Floor</i>								
Quarry Tile	5%			2044	**	5	\$1,200	
Vinyl Tile	45%			2039	**	3	\$3,600	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 53 (COMBINED FACILITY) 23RD PCT.
Asset # : 13039

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	3%			2044	**	5	\$600	
<i>Recent Construction, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
Ceramic Tile	2%			2034	**	5	\$400	
Concrete Masonry Unit	20%			LIFE	**	5	\$1,700	
Gypsum Board	15%			LIFE	**	5	\$1,900	
Plaster	25%			LIFE	**	5	\$1,600	
SGFT/Glazed Masonry	35%			LIFE	**			
Ceilings								
AcousTileConcealSpLn	10%			2044	**	5	\$2,000	
AcousTileSusp.Lay-In	40%			2036	**	5	\$6,300	
Exposed Struc: Concrete	50%	4+	\$22,900	LIFE	**	5	\$1,200	
<i>Paint Peeling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Apparatus Room</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	80%			2031	\$28,800	1		
Conduit	20%			2051	**	1		
Panelboards								
Fused Disc Sw	5%			2030	\$2,400	5		
Molded Case Bkrs	30%			2053	**	5	\$100	
Molded Case Bkrs	65%			2030	\$31,500	5	\$200	
Wiring								
Thermoplastic	70%			2031	\$22,800	1		
Thermoplastic	30%			2057	**	1		
Motor Controllers								
Locally Mounted	100%			2029	\$17,800	5	\$100	
Lighting								
Interior Lighting								
LED	100%			2039	**			
Egress Lighting								
Emergency, Service	50%			2039	**	1		
Exit, LED	50%			2066	**	1		
Exterior Lighting								
LED	20%			2039	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 53 (COMBINED FACILITY) 23RD PCT.
Asset # : 13039

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Interruptible Gas/Dual Fuel	100%			2041	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Of Adjacent Building Which Is The Police Station</i>								
<i>Explanation : The Heating Source Is From The Adjacent Building Which Is The Police Station</i>								
<hr/>								
Conversion Equipment								
Steam Boiler	100%			2036	**	1	\$10,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Of Adjacent Building Which Is The Police Station</i>								
<i>Explanation : The Heating Source Is From The Adjacent Building Which Is The Police Station</i>								
<hr/>								
Distribution								
Hot Wtr Piping/Pump	50%			2039	**	4	\$300	
Hot Wtr Piping/Pump	50%	0-2	\$2,300	2039	**	4	\$300	
<i>Controller Not Working, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout. No Zoning And Seperate Temperature Control</i>								
<hr/>								
Terminal Devices								
Convector/Radiator	40%			2036	**	1	\$1,400	
Unit Heater - Steam	40%			2026		4	\$400	
No Component	20%							
<hr/>								
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
<hr/>								
Conversion Equipment								
Reciprocating Compr/Chiller	30%			2031	\$46,000	1	\$1,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Air Conditioning Comes From The Adjacent Building Which Is The Police Station</i>								
<hr/>								
Window/Wall Unit	30%			2024	\$11,800	1		
No Component	40%							
<hr/>								
Terminal Devices								
Air Handler/Cool/Ht	30%			2026	\$36,300	1	\$2,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Adjacent Police Station</i>								
<i>Explanation : Air Conditioning Comes From The Adjacent Building Which Is The Police Station</i>								
<hr/>								
No Component	70%							
<hr/>								
Heat Rejection								
Water Cooling Tower	30%			2035	**	2	\$3,200	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Roof Of Adjacent Building</i>								
<hr/>								
No Component	70%							
<hr/>								
Ventilation								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 53 (COMBINED FACILITY) 23RD PCT.
Asset # : 13039

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,900	
Exhaust Fans								
Roof	50%			2026	\$10,100	2	\$200	
Roof	10%			2036	**	2		
No Component	40%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		
Water Heater With Tanks								
Electric	100%			2026	\$23,100	4		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Two 120 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Backflow Preventer								
Generic	100%			2031	\$4,600	1	\$700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Police Department</i>								
<i>Explanation : In Adjacent Police Department</i>								
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	90%							
Generic	10%			2041	**	1-2	\$300	
Fire Pump								
Generic	100%			2034	**	1	\$2,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : In Adjacent Police Department</i>								
<i>Explanation : In Adjacent Police Department</i>								

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

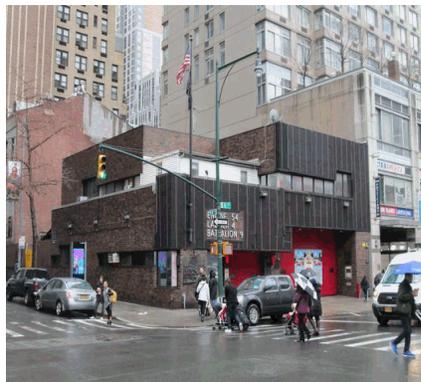
Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 54/ LADDER CO 4/ BATTALION 9
Address : 782 EIGHTH AVENUE
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.054 / 13044 **Yr Built/Renovated** : 1974 /
Area Sq Ft : 9,448 **Project Type** : FIRE DEPARTMENT
Date of Survey : 29-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1019 **Lot** : 61 **BIN** : 1024767

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$194,400	\$101,600
Interior Architecture	\$58,200	\$91,000
Electrical		\$63,500
Mechanical		\$79,700
Total	\$252,500	\$335,800
Importance Code A	\$194,400	\$101,600
Importance Code B	\$58,200	\$234,200
Total	\$252,500	\$335,800

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$18,200	\$2,400		\$100
Interior Architecture	\$25,500	\$2,800	\$1,000	\$1,100
Electrical	\$700	\$3,300	\$700	\$800
Mechanical	\$13,000	\$16,900	\$7,800	\$31,500
Site Enclosure	\$6,200			
Total	\$63,600	\$25,300	\$9,500	\$33,500
Importance Code A	\$18,700	\$2,800	\$500	\$500
Importance Code B	\$38,700	\$22,500	\$8,800	\$33,000
Importance Code C	\$6,200		\$300	
Total	\$63,600	\$25,300	\$9,500	\$33,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 54/ LADDER CO 4/ BATTALION 9
Asset # : 13044

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	10%			2042	**	10	\$500	
Masonry: Brick	80%	Now	\$194,400	LIFE	**	5	\$12,100	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Loose Units, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Front Facade</i>								
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Front And Side Facades</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Stair To Basement, Kitchen Area</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Front Facade</i>								
<i>Explanation : Protective Netting In Place</i>								
Metal Sect. OHD	10%			2045	**	5	\$4,700	
Windows								
Aluminum	90%	Now	\$2,000	2040	**	5	\$200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Glazing Clouded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Windows Sills</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Mortar Joints Of Window Sills</i>								
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Windows</i>								
<i>Explanation : Rusting Lintels And Damaged Window Sills</i>								
Aluminum	10%			2048	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Battalion Office</i>								
<i>Explanation : Three Windows Are Vinyl Replacement Windows</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 54/ LADDER CO 4/ BATTALION 9
Asset # : 13044

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Parapets								
Masonry: Brick	90%	Now	\$14,800	LIFE	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Front Facade</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Parapet</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front Facade</i>								
<i>Explanation : Protective Netting In Place</i>								
Masonry: Brownstone	8%	Now	\$1,500	LIFE	**	5	\$300	
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Front Facade Coping Stones</i>								
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Open Joints Of Coping Stones</i>								
Metal Panel	2%			2052	**	5	\$100	
Roof								
Modified Bitumen	100%			2032		10	\$9,500	
<i>Ponding, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Truck Office On 1st Floor</i>								
Soffits								
Metal Panel	100%			2052	**	5-10		
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$58,200	LIFE	**	5	\$15,300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	10%			2041	**	5	\$1,400	
Quarry Tile	5%			2037	**	5	\$1,100	
Vinyl Tile	35%	Now	\$13,200	2037	**	3	\$1,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2041	**	5	\$500	
Concrete Masonry Unit	47%			LIFE	**	5	\$2,000	
Gypsum Board	3%			LIFE	**	5	\$200	
Plaster	10%			LIFE	**	5	\$300	
SGFT/Glazed Masonry	35%			LIFE	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 54/ LADDER CO 4/ BATTALION 9
Asset # : 13044

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	40%			2030	\$91,000	5	\$5,600	
Exposed Struc: Concrete	30%	0-2	\$12,300	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 3%</i>								
<i>Location : Southeast Corner Of Basement</i>								
Plaster	30%			LIFE	**	5	\$2,600	
Site Enclosure								
Fence/Gates								
Wood	100%	Now	\$3,700	2037	**			
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
Free Standing Walls								
Masonry: Brick	100%	Now	\$2,500	2052	**			
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Side Yard</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Side Yard</i>								
Retaining Walls								
Concrete Masonry Unit	100%			2052	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2045	**			
Parking/Driveway								
Cast in Place Concrete	100%			2045	**			
Activity Yard								
Cast in Place Concrete	100%			2045	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2032	\$14,700	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2032	\$63,500	5	\$200	
Raceway								
Conduit	90%			2032	\$32,400	1		
Conduit	10%			2052	**	1		
Panelboards								
Fused Disc Sw	4%			2031	\$1,900	5		
Fused Disc Sw	1%			2048	**	5		
Molded Case Bkrs	65%			2031	\$31,500	5	\$200	
Molded Case Bkrs	30%			2048	**	5	\$100	

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Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 54/ LADDER CO 4/ BATTALION 9
Asset # : 13044

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Wiring								
Thermoplastic	70%			2032	\$22,800	1		
Thermoplastic	30%			2052	**	1		
Motor Controllers								
Locally Mounted	30%			2030	\$5,300	5		
Locally Mounted	70%			2045	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2037	**	1	\$2,900	
Generators								
Diesel	100%			2035	**	1	\$3,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Outside</i>								
<i>Explanation : One 80 Kilovolt Ampere</i>								
Batteries								
Lead/Acid	100%			2025	\$2,400	5	\$400	
Fuel Storage								
Day Tank								
	50%			2040	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Outside</i>								
<i>Explanation : One 60 Gallons</i>								
Main Tank								
	50%			2047	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Underground</i>								
<i>Explanation : One 1,000 Gallons</i>								
Lighting								
Interior Lighting								
LED	100%			2040	**			
Egress Lighting								
Emergency, Service	50%			2040	**	1		
No Component	50%							
Exterior Lighting								
LED	20%			2040	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2052	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2045	**	1	\$4,700	

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FIRE DEPARTMENT - 057
ENGINE CO. 54/ LADDER CO 4/ BATTALION 9
Asset # : 13044

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Heating								
Distribution								
	Hot Wtr Piping/Pump	100%			2048	**	4	\$700
Terminal Devices								
	Convactor/Radiator	80%			2037	**	1	\$2,400
	Fan Coil Unit/Heat	20%			2032	\$45,800	1	\$600
Air Conditioning								
Energy Source								
	Electricity	100%			2048	**	1	
Conversion Equipment								
	Exterior Pkg Unit - Cooling	25%			2037	**	2	\$100
	Exterior Pkg Unit - Cooling	25%			2037	**	2	\$100
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Lower Roof</i>					
			<i>Explanation : Unit Serves Kitchen And Member Room</i>					
	Split Unit	10%			2037	**		
			<i>Other Observation, Extent : Light, Area Affected : 10%</i>					
			<i>Location : 2nd Floor</i>					
			<i>Explanation : 1 Unit</i>					
	Window/Wall Unit	30%			2025	\$10,500	1	
	No Component	10%						
Distribution								
	Ductwork/Diffusers	25%			LIFE	**	2	\$3,100
	No Component	75%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,300
Exhaust Fans								
	Roof	100%			2037	**	2	\$300
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2042	**	1	
Water Heater With Tanks								
	Gas Fired	100%			2027	\$16,700	2	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Two 75 Gallon Units</i>					
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Non-Submersible	100%			2027	\$1,800	4	\$200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Duplex Unit</i>					

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FIRE DEPARTMENT - 057
ENGINE CO. 54/ LADDER CO 4/ BATTALION 9
Asset # : 13044

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2037	**	1	
Fixtures								
	Generic	100%						
Fire Suppression								
	Sprinkler							
	No Component	95%						
	Generic	5%			2052	**	1-2	\$100
	Chemical System							
	Generic	100%			2030	\$79,700	1-3	\$80,900

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 55
Address : 363 BROOME STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.055 / 13045 **Yr Built/Renovated** : 1898 / 1998
Area Sq Ft : 7,363 **Project Type** : FIRE DEPARTMENT
Date of Survey : 12-Oct-2021 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3,Ph
Block : 470 **Lot** : 12 **BIN** : 1066722

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture	\$126,100	
Mechanical		\$78,700
Total	\$126,100	\$78,700
Importance Code B	\$70,300	\$78,700
Importance Code C	\$55,800	
Total	\$126,100	\$78,700

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$40,700	\$4,600	\$3,600	
Interior Architecture	\$29,400	\$2,500	\$6,500	
Electrical	\$1,000	\$800	\$3,500	\$800
Mechanical	\$17,500	\$6,100	\$7,000	\$14,800
Total	\$88,600	\$14,000	\$20,600	\$15,500
Importance Code A	\$41,400	\$5,400	\$4,300	\$700
Importance Code B	\$27,600	\$8,600	\$16,200	\$14,800
Importance Code C	\$19,600			
Total	\$88,600	\$14,000	\$20,600	\$15,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 55
Asset # : 13045

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	20%			LIFE	**	5	\$13,200	
Masonry: Limestone	73%			LIFE	**	5	\$36,100	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Metal Sect. OHD	7%			2046	**	5	\$7,200	
Windows								
Aluminum	50%			2055	**	5	\$800	
Wood	50%			2055	**	5	\$8,400	
Parapets								
Masonry: Brick	90%			LIFE	**	5-10	\$15,500	
Masonry: Sandstone	10%			LIFE	**	5-10	\$3,100	
Roof								
Copper/Terne	5%			2068	**	10	\$800	
Modified Bitumen	90%			2041	**	10	\$6,100	
Skylight, Metal/Glass	5%			2059	**	10	\$1,100	
<i>Water Penetration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : First Story Skylight At Rear Of Building. When It Rains Only.</i>								
Interior								
Floors								
Cast in Place Concrete	35%	Now	\$70,300	LIFE	**	5	\$8,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
Ceramic Tile	5%			2046	**	5	\$600	
Wood	60%			2061	**	5	\$12,400	
Interior Walls								
Concrete Masonry Unit	5%			LIFE	**	5	\$700	
Gypsum Board	45%			LIFE	**	5-10	\$13,900	
Masonry: Brick	15%	Now	\$55,800	LIFE	**			
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	10%	Now	\$4,800	LIFE	**	5	\$500	
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Third Floor Facade Window At Stairway</i>								
SGFT/Glazed Masonry	20%			LIFE	**	10	\$1,800	
Wood	5%			LIFE	**	5	\$7,300	

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FIRE DEPARTMENT - 057
ENGINE CO. 55
Asset # : 13045

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	45%			2050	**	5	\$5,000	
Ceramic Tile	25%			LIFE	**	5	\$3,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Apparatus Bay</i>								
<i>Explanation : Glazed Masonry Vaulted Ceiling</i>								
Embossed Metal	10%	Now	\$3,600	LIFE	**	5	\$500	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Stairway Leading Up To Fourth Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Stairway Leading Up To Fourth Floor</i>								
Exposed Struc: Steel	15%			LIFE	**	10	\$3,300	
Gypsum Board	5%			LIFE	**	5-10	\$1,900	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	**			
Parking/Driveway								
Cast in Place Concrete	100%			2046	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2043	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Explanation : The Service Equipment Consists Of A 200 Ampere Switch With 200 Ampere Fuse Switch Which Is In Good Condition.</i>								
Raceway								
Conduit	100%			2043	**	1		
Panelboards								
Molded Case Bkrs	100%			2041	**	5	\$200	
Wiring								
Thermoplastic	100%			2043	**	1		
Motor Controllers								
Locally Mounted	100%			2038	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								

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FIRE DEPARTMENT - 057
ENGINE CO. 55
Asset # : 13045

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Stand-by Power Transfer Switches Automatic	100%			2038	**	1	\$2,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Explanation : The Transfer Switch Is A 200 Ampere, 4 Pole Switch And It Is In Good Condition.</i>								
Generators Diesel	100%			2036	**	1	\$2,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Interior</i>								
<i>Explanation : The Size Of The Generator Is 60 Kilowatt, 75 Kilovolt Ampere, 208/120 Volts, 3 Phase. It Is In Good Condition.</i>								
Batteries Lead/Acid	100%			2026	\$2,600	5	\$300	
Fuel Storage Day Tank	15%			2041	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : The Day Tank Is A 75 Gallon Stand Alone Tank.</i>								
Main Tank	85%			2048	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : The Main Tank Is A 550 Gallon Diesel Main Fuel Tank.</i>								
Lighting Interior Lighting LED	100%			2041	**			
Egress Lighting Emergency, Service	25%			2041	**	1		
Emergency, Battery	25%			2038	**	10	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Path Of Egress. Stairs And Hallways</i>								
<i>Explanation : The Emergency Lights Are Battery Operated Emergency Lights.</i>								
Exit, LED	50%			2068	**	1		
Exterior Lighting LED	20%			2041	**			
No Component	80%							
Alarm Security System Generic	100%			2041	**	1	\$2,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior And One Interior At The Entrance Gate</i>								
<i>Explanation : Surveillance Cameras System</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

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FIRE DEPARTMENT - 057
ENGINE CO. 55
Asset # : 13045

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Heating								
	Energy Source							
	Natural Gas	100%			2053	* *	1	
	Conversion Equipment							
	Steam Boiler	100%			2046	* *	1	\$7,300
	Distribution							
	Central Plant Steam Piping/Pmp	100%			2053	* *	4	\$500
	Terminal Devices							
	Convactor/Radiator	100%			2046	* *	1	\$2,400
Air Conditioning								
	Energy Source							
	Electricity	100%			2049	* *	1	
	Conversion Equipment							
	Exterior Pkg Unit - Cooling	20%			2038	* *	2	\$100
				<i>R-410a Refrigerant, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Roof</i>				
	Split Unit	70%			2041	* *		
	No Component	10%						
	Distribution							
	Ductwork/Diffusers	20%			LIFE	* *	2	\$2,400
	No Component	80%						
Ventilation								
	Distribution							
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$6,500
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement To Roof</i>				
				<i>Explanation : Includes Make Up Air And Exhaust For Generator</i>				
	Exhaust Fans							
	Interior	25%			2033	\$8,800	2	\$100
	Roof	70%			2038	* *	2	\$200
				<i>Other Observation, Extent : Light, Area Affected : 70%</i>				
				<i>Location : Kitchen</i>				
				<i>Explanation : Kitchen Exhaust</i>				
	No Component	5%						
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2053	* *	1	
	Water Heater With Tanks							
	Gas Fired	100%			2031	\$36,600	2	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : Two 75 Gallon Units</i>				
	Sanitary Piping							
	Cast Iron	100%			LIFE	* *	1	
	Storm Drain Piping							
	Cast Iron	100%			LIFE	* *	1	

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FIRE DEPARTMENT - 057
ENGINE CO. 55
Asset # : 13045

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sump Pump(s) Submersible	100%			2027	\$200	4	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Units In 2 Locations</i>								
<hr/>								
	Backflow Preventer No Component Generic	95%			2038	* *	1	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								
<hr/>								
Fixtures								
	Generic	100%						
<hr/>								
Fire Suppression								
	Chemical System Wet	100%			2033	\$78,700	1-3	\$83,600
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Kitchen</i>								
<i>Explanation : Ansul System Serves Kitchen Dimension 3 Feet X 6 Feet</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 58/ LADDER CO. 26
Address : 1367 FIFTH AVENUE
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.058 / 13046 **Yr Built/Renovated** : 1960 /
Area Sq Ft : 8,100 **Project Type** : FIRE DEPARTMENT
Date of Survey : 30-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1618 **Lot** : 1 **BIN** : 1080501

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Electrical		\$63,500
Mechanical		\$79,700
Total		\$143,200
Importance Code B		\$143,200
Total		\$143,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$32,200	\$5,600		\$3,900
Interior Architecture	\$43,500	\$700		\$2,700
Electrical	\$6,500			\$23,800
Mechanical	\$12,900	\$6,500	\$6,800	\$36,600
Site Enclosure	\$2,600			
Site Pavements	\$1,900			
Total	\$99,600	\$12,800	\$6,800	\$67,100
Importance Code A	\$32,600	\$6,000	\$400	\$4,400
Importance Code B	\$49,000	\$6,800	\$6,400	\$62,700
Importance Code C	\$18,000			
Total	\$99,600	\$12,800	\$6,800	\$67,100



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FIRE DEPARTMENT - 057
ENGINE CO. 58/ LADDER CO. 26
Asset # : 13046

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%	4+	\$27,000	LIFE	**	5	\$16,800	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Facades</i>								
Metal Panel	10%			2052	**	5-10	\$14,400	
Metal Sect. OHD	10%			2045	**	5	\$6,600	
Windows								
Aluminum	100%	Now	\$2,500	2048	**	5	\$300	
<i>Air Infiltration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : First Floor Watch Room, Stair Tower</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : First Floor Watch Room</i>								
Parapets								
Masonry: Brick	80%			LIFE	**	5	\$1,700	
Metal Rail	10%			2045	**	5-10	\$3,800	
Pre-Cast Concrete	10%			LIFE	**	5	\$1,300	
Roof								
Modified Bitumen	95%	Now	\$2,700	2037	**			
<i>Seams Open/Split, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Near Base Of Parapet Wall</i>								
Plaza Roof: Stone Panels	5%			2042	**			
Soffits								
Cast in Place Concrete	100%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	53%	4+	\$10,700	LIFE	**	5	\$14,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor Apparatus Area</i>								
Ceramic Tile	10%	Now	\$13,400	2041	**	5	\$600	
<i>Worn/Eroded, Extent : Severe, Area Affected : 40%</i>								
<i>Location : 2nd Floor Bathrooms And Shower</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Shower</i>								
<i>Explanation : Shower Leaks Causing Mold</i>								
Quarry Tile	5%			2045	**	5	\$900	
Sheet Vinyl/Rubber	30%			2037	**	5	\$5,500	
Wood	2%			2060	**	5	\$500	

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FIRE DEPARTMENT - 057
ENGINE CO. 58/ LADDER CO. 26
Asset # : 13046

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	5%			LIFE	**			
Ceramic Tile	5%	Now	\$6,500	2041	**	5	\$200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Bathrooms And Showers 2nd Floor</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Toilets And Showers 2nd Floor</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor Bathrooms And Shower</i>								
Concrete Masonry Unit	15%	Now	\$2,200	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Masonry: Brick	5%			LIFE	**			
Plaster	30%	Now	\$1,200	LIFE	**	5	\$700	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Stair</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Explanation : Wall Base Delaminating</i>								
SGFT/Glazed Masonry	35%	Now	\$5,000	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout 1st Floor</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor Apparatus Room</i>								
Wood	5%			LIFE	**	5	\$1,600	
Ceilings								
AcousTileSusp.Lay-In	15%	4+	\$600	2045	**	5	\$900	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen, Dining Area</i>								
Exposed Struc: Concrete	30%			LIFE	**	5	\$600	
Plaster	55%	4+	\$4,000	LIFE	**	5	\$4,200	
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 2nd Floor Showers</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	4+	\$2,600	2052	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 10%</i>								
<i>Location : Rear Yard</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	\$1,400	2045	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Throughout</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 58/ LADDER CO. 26
Asset # : 13046

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%	Now	\$500	2045		**		
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Cracking/Crumbling, Extent : Moderate, Area Affected : 10%

Location : Rear Yard And Side Walkways

Parking/Driveway

Cast in Place Concrete	100%			2045		**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2032	\$14,700	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : One 400 Ampere Main Disconnect Switch

Switchgear / Switchboard

Fused Disc Sw	100%			2032	\$63,500	5		
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Raceway

Conduit	80%			2032	\$28,800	1		
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Conduit	20%			2052	**	1		
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Panelboards

Fused Disc Sw	5%			2031	\$2,400	5		
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Molded Case Bkrs	85%			2048	**	5	\$200	
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Molded Case Bkrs	10%			2031	\$4,800	5		
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Wiring

Braided Cloth	20%	2-4	\$6,500	2057	**	1		
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Insulation Aged, Extent : Moderate, Area Affected : 100%

Location : Basement

Thermoplastic	60%			2052	**	1		
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Thermoplastic	20%			2032	\$6,500	1		
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Motor Controllers

Locally Mounted	100%			2030	\$17,800	5	\$100	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Lighting

Interior Lighting

Fluorescent	95%			2037	**	10	\$7,100	
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T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%

Location : Throughout The Building

Incandescent	5%			2032	\$4,900	2		
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Egress Lighting

Emergency, Battery	50%			2027	\$6,600	10	\$1,000	
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Exit, Service	50%			2027	\$1,700	1		
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FIRE DEPARTMENT - 057
ENGINE CO. 58/ LADDER CO. 26
Asset # : 13046

System Component Type	Current Repair			Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting								
HID	20%			2027	\$7,400	10		
No Component	80%							

System Component Type	Current Repair			Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source								
Natural Gas	100%			2052	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2045	**	1	\$4,000	
Distribution								
Hot Wtr Piping/Pump	100%			2040	**	4	\$600	
Terminal Devices								
Convactor/Radiator	90%			2037	**	1	\$2,400	
Unit Heater - Hot Water	10%			2032	\$4,700			

Air Conditioning

Energy Source								
Electricity	100%			2040	**	1		
Conversion Equipment								
Window/Wall Unit	80%			2027	\$24,000	1		
No Component	20%							

Ventilation

Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,500	
Exhaust Fans								
Roof	90%			2032	\$13,800	2	\$200	
Wall Unit	10%			2032	\$300	2		

Plumbing

H/C Water Piping								
Brass/Copper	100%			2042	**	1		
Water Heater With Tanks								
Gas Fired	100%			2030	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2025	\$200	4	\$300	

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FIRE DEPARTMENT - 057
ENGINE CO. 58/ LADDER CO. 26
Asset # : 13046

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2037	**	1	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Serves Boiler Only</i>						
Fixtures								
	Generic	100%						
Fire Suppression								
	Chemical System							
	Generic	100%			2030	\$79,700	1-3	\$80,900

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 59/ LADDER CO. 30
Address : 111 WEST 133rd STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.059 / 13047 **Yr Built/Renovated** : 1962 /
Area Sq Ft : 8,480 **Project Type** : FIRE DEPARTMENT
Date of Survey : 12-Jan-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1918 **Lot** : 24 **BIN** : 1058225

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$200,500	\$120,700
Mechanical	\$79,700	
Total	\$280,200	\$120,700
Importance Code A	\$200,500	\$120,700
Importance Code B	\$79,700	
Total	\$280,200	\$120,700

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$9,900			\$1,900
Interior Architecture	\$53,800	\$500	\$900	\$3,400
Electrical	\$600	\$3,300	\$600	\$600
Mechanical	\$12,800	\$9,700	\$6,800	\$24,900
Site Enclosure	\$27,700			
Site Pavements	\$19,300			
Total	\$124,200	\$13,400	\$8,300	\$30,900
Importance Code A	\$10,400	\$400	\$400	\$2,300
Importance Code B	\$35,200	\$13,000	\$7,000	\$28,600
Importance Code C	\$78,600		\$900	
Total	\$124,200	\$13,400	\$8,300	\$30,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 59/ LADDER CO. 30
Asset # : 13047

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Concrete Masonry Unit	5%	Now	\$2,600	LIFE	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Rear</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Rear</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Rear</i>								
Masonry: Brick	80%	Now	\$128,100	LIFE	**	5	\$15,900	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Stair Tower</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Metal Panel	5%			2042	**	5-10	\$6,800	
Metal Sect. OHD	10%	2-4	\$3,500	2045	**	5	\$3,100	
<i>Deformed/Dented, Extent : Light, Area Affected : 5%</i>								
<i>Location : South Side</i>								
Windows								
Aluminum	100%	Now	\$2,300	2048	**	5	\$200	
<i>Air Infiltration, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Areaway, Stair Tower</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	25%			LIFE	**	5	\$300	
<i>Paint Peeling, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Metal Cornice	5%	Now	\$300	2060	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Parapet</i>								
<i>Explanation : Metal Coping</i>								
Metal Rail	70%	Now	\$1,200	2045	**	5	\$6,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade. 2 Panels Broken</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 59/ LADDER CO. 30
Asset # : 13047

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Asphalt Shingle	5%			2041	**	10	\$100	
Modified Bitumen	95%	Now	\$72,400	2032	\$120,700			
<i>Blisters, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Main Roof Near Bulkhead, Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	40%	0-2	\$8,400	LIFE	**	5	\$11,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Ceramic Tile	10%	0-2	\$1,400	2041	**	5	\$600	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Upper Level Toilet</i>								
Quarry Tile	5%			2045	**	5	\$1,000	
<i>Worn/Eroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Sheet Vinyl/Rubber	35%			2037	**	5	\$6,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Rubber Tile</i>								
Vinyl Tile	5%	Now	\$1,700	2037	**	3	\$200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : House Watch</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 15%</i>								
<i>Location : House Watch</i>								
Wood	5%	Now	\$700	2060	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Television Room</i>								
Interior Walls								
Ceramic Tile	10%			2041	**	5	\$1,700	
Gypsum Board	5%			LIFE	**	5	\$500	
Plaster	45%	Now	\$9,300	LIFE	**	5	\$2,400	
<i>Spalling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor And Janitor Closet</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Janitors Closet</i>								
Plywood/Hardboard	5%			LIFE	**			
SGFT/Glazed Masonry	35%	4+	\$26,800	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : First Floor Main Area</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 59/ LADDER CO. 30
Asset # : 13047

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	10%	0-2	\$400	2037	**	5	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Exposed Struc: Concrete	25%			LIFE	**	5	\$500	
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Plaster	65%	Now	\$4,900	LIFE	**	5	\$5,200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Throughout 2nd Floor</i>								
Site Enclosure								
Fence/Gates								
Chain Link	98%	Now	\$26,600	2062	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Side Yard</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Side Yard, Rear Yard</i>								
<i>Impact Damage, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Side Yard</i>								
Iron Picket	2%			2052	**			
<i>Deteriorated Finish, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Free Standing Walls								
Masonry: Brick	100%	4+	\$1,100	2042	**			
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	\$3,400	2045	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front</i>								
On-Site Walkways								
Cast in Place Concrete	100%	4+	\$300	2037	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Rear And Side Yards</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 59/ LADDER CO. 30
Asset # : 13047

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Parking/Driveway
Asphalt

100% Now \$14,400 2041 * *
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%
Location : Side Yard And Edge Of Property
Ponding, Extent : Moderate, Area Affected : 10%
Location : Side Yard
Potholes, Extent : Moderate, Area Affected : 5%
Location : Side Yard

Activity Yard

Cast in Place Concrete

100% 2-4 \$1,200 2037 * *
Cracking/Crumbling, Extent : Light, Area Affected : 20%
Location : Rear Yard

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment
Fused Disc Sw

100% 2042 * * 5
Other Observation, Extent : N/A, Area Affected : 100%
Location : Basement
Explanation : One 400 Ampere Main Disconnect Switch

Raceway

Conduit

100% 2042 * * 1

Panelboards

Fused Disc Sw

5% 2040 * * 5

Molded Case Bkrs

95% 2040 * * 5 \$200

Wiring

Thermoplastic

100% 2042 * * 1

Motor Controllers

Locally Mounted

100% 2037 * * 5 \$100

Ground

Grounding Devices

Generic

100% LIFE * * 5 \$100

Stand-by Power

Transfer Switches

Automatic

100% 2037 * * 1 \$2,600

Generators

Diesel

100% 2035 * * 1 \$3,300
Other Observation, Extent : N/A, Area Affected : 100%
Location : Outside
Explanation : One 60 Kilovolt Ampere

Batteries

Lead/Acid

100% 2025 \$2,400 5 \$300

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FIRE DEPARTMENT - 057
ENGINE CO. 59/ LADDER CO. 30
Asset # : 13047

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Fuel Storage								
Day Tank	10%			2057	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Generator Located Outside</i>								
<i>Explanation : One 60 Gallon</i>								
Main Tank	90%			2047	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 550 Gallon</i>								
Lighting								
Interior Lighting								
Fluorescent	45%			2032	\$32,400	10	\$3,500	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : T-8 Lamps</i>								
LED	55%			2042	**			
Egress Lighting								
Emergency, Service	20%			2032	\$1,000	1		
Emergency, Service	40%			2042	**	1		
Exit, LED	30%			2072	**	1		
Exit, Service	10%			2032	\$400	1		
Exterior Lighting								
HID	30%			2032	\$11,600	10		
No Component	70%							
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2052	**	1		
Conversion Equipment								
Furnace	5%			2032	\$1,300	1	\$200	
Hot Water Boiler	95%			2045	**	1	\$4,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Gas Fired Sectional Hot Water Boiler</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2048	**	4	\$600	
Terminal Devices								
Convactor/Radiator	90%			2037	**	1	\$2,500	
Unit Heater - Hot Water	10%			2027	\$4,900			
Air Conditioning								
Energy Source								
Electricity	100%			2048	**	1		

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 59/ LADDER CO. 30
Asset # : 13047

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Split Unit	75%			2037	**		
	Window/Wall Unit	10%			2025	\$3,100	1	
	No Component	15%						
Terminal Devices								
	Air Handler/Dir Expansion	75%			2037	**	1	
	No Component	25%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,700
Exhaust Fans								
	Interior	20%			2027	\$7,300	2	\$100
	Roof	80%			2037	**	2	\$200
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2042	**	1	
Water Heater With Tanks								
	Gas Fired	100%			2030	\$16,700	2	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Two 75 Gallon Units</i>							
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2025	\$300	4	\$300
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System								
	Generic	100%			2027	\$79,700	1-3	\$80,900
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : First Floor Kitchen</i>							
	<i>Explanation : Ansul Fire Suppression System Inspection Past Due</i>							

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 6
Address : 49 BEEKMAN STREET BTWN WILLIAM ST. - GOLD ST.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.006 / 13005 **Yr Built/Renovated** : 1904 / 2005
Area Sq Ft : 5,001 **Project Type** : FIRE DEPARTMENT
Date of Survey : 15-Jul-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 93 **Lot** : 30 **BIN** : 1001287

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$2,800		\$5,600	\$700
Interior Architecture	\$8,900	\$1,700	\$300	
Electrical	\$400	\$2,800	\$400	\$400
Mechanical	\$9,400	\$1,400	\$3,700	\$1,200
Total	\$21,500	\$5,900	\$10,000	\$2,300
Importance Code A	\$3,100	\$200	\$5,900	\$1,000
Importance Code B	\$18,400	\$4,300	\$4,100	\$1,300
Importance Code C		\$1,400		
Total	\$21,500	\$5,900	\$10,000	\$2,300



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 6
Asset # : 13005

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	73%			LIFE	**	5	\$18,400	
Masonry: Limestone	20%			LIFE	**	5	\$3,800	
Metal Sect. OHD	5%			2044	**	5	\$3,900	
Granite Panels	2%			LIFE	**	5	\$400	
Windows								
Aluminum	100%			2047	**	5	\$1,400	
Parapets								
Copper/Terne	5%			2051	**	5	\$400	
Masonry: Brick	80%			LIFE	**	5	\$1,200	
Metal Rail	5%			2044	**	5-10	\$1,400	
Pre-Cast Concrete	10%			LIFE	**	5	\$1,000	
Roof								
Modified Bitumen	100%			2036	**	10	\$5,500	
Interior								
Floors								
Cast in Place Concrete	25%	4+	\$3,100	LIFE	**	5	\$4,100	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Apparatus Area</i>								
Ceramic Tile	10%			2040	**	5	\$700	
Panel/Paver: Cer/Brk	5%			2039	**	5	\$800	
Sheet Vinyl/Rubber	5%			2031	\$23,900	5	\$600	
Wood	55%	4+	\$4,800	2059	**	5	\$3,900	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor</i>								
Interior Walls								
Ceramic Tile	20%			2040	**	5	\$2,700	
Concrete Masonry Unit	20%			LIFE	**	5	\$1,100	
Gypsum Board	40%			LIFE	**	5	\$3,300	
SGFT/Glazed Masonry	20%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	15%			2044	**	5	\$1,100	
Exposed Struc: Concrete	25%			LIFE	**	5	\$300	
Exposed Struc: Steel	10%			LIFE	**			
Gypsum Board	45%			LIFE	**	5	\$4,200	
Metal Panel	5%			LIFE	**	5	\$500	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								

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FIRE DEPARTMENT - 057
ENGINE CO. 6
Asset # : 13005

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2051	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 400 Ampere Main Disconnect Switch</i>						
Switchgear / Switchboard								
Fused Disc Sw	100%			2051	**	5		
Raceway								
Conduit	100%			2051	**	1		
Panelboards								
Fused Disc Sw	5%			2047	**	5		
Molded Case Bkrs	95%			2047	**	5	\$100	
Wiring								
Thermoplastic	100%			2051	**	1		
Motor Controllers								
Locally Mounted	100%			2044	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	**	1	\$1,500	
Generators								
Diesel	100%			2040	**	1	\$1,900	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Generator Room</i>						
		<i>Explanation : One 61 Kilowatts</i>						
Batteries								
Lead/Acid	100%			2025	\$2,400	5	\$200	
Fuel Storage								
Main Tank	100%			2059	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 550 Gallons</i>						
Lighting								
Interior Lighting								
LED	100%			2039	**			
Egress Lighting								
Emergency, Service	50%			2039	**	1		
Exit, Service	50%			2039	**	1		
Exterior Lighting								
LED	20%			2039	**			
No Component	80%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 6
Asset # : 13005

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2051	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2044	**	1	\$2,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units</i>								
Distribution								
Hot Wtr Piping/Pump	80%	0-2	\$5,100	2056	**	4	\$200	
<i>Controller Not Working, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout. Unable To Control Temperature Leading To Insufficient Heat.</i>								
<i>Heating Is Centrally Controlled By 9 Metrotech Building. Dedicated In House Controller Needed.</i>								
Hot Wtr Piping/Pump	20%			2047	**	4	\$100	
Terminal Devices								
Convactor/Radiator	80%			2044	**	1	\$1,300	
Unit Heater - Steam	20%			2036	**	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2047	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	90%			2036	**	2	\$300	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
Window/Wall Unit	10%			2029	\$1,900	1		
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$6,500	
Ventilation								
Exhaust Fans								
Interior	40%			2036	**	2	\$100	
Interior	10%	Now	\$2,200	2041	**	2		
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen Exhaust Fan Malfunctioning</i>								
Roof	10%	Now	\$100	2031	\$900	2		
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Women Bathroom, Bathroom Exhaust Van Not Working</i>								
Roof	40%			2031	\$3,800	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	**	1		
Water Heater With Tanks								
Gas Fired	100%			2029	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units 74 Gallons</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 6
Asset # : 13005

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	50%			LIFE	**	1		
Cast Iron	50%	Now	\$900	LIFE	**	1		
		<i>Blockage /Clogged, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : First Floor Operation Room</i>						
Sump Pump(s)								
Submersible	100%			2025	\$200	4	\$200	
Backflow Preventer								
Generic	100%			2036	**	1	\$300	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2051	**	1-2	\$1,400	
Chemical System								
Wet	10%			2029	\$8,000	1-3	\$8,300	
No Component	90%							

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 60/ LADDER CO. 17
Address : 341 EAST 143RD STREET
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.060 / 13048 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 11,250 **Project Type** : FIRE DEPARTMENT
Date of Survey : 18-Oct-2019 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2306 **Lot** : 52 **BIN** : 2000656

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$388,400	
Interior Architecture	\$67,800	
Mechanical	\$79,700	
Total	\$535,900	
Importance Code A	\$388,400	
Importance Code B	\$79,700	
Importance Code C	\$67,800	
Total	\$535,900	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$92,400		\$6,400	
Interior Architecture	\$32,900			
Electrical	\$8,500	\$3,400	\$9,200	\$900
Mechanical	\$7,400	\$7,600	\$42,900	\$7,500
Site Pavements	\$1,500			
Total	\$142,800	\$11,000	\$58,400	\$8,300
Importance Code A	\$93,600	\$1,100	\$7,500	\$1,100
Importance Code B	\$41,000	\$9,900	\$50,900	\$7,200
Importance Code C	\$8,200			
Total	\$142,800	\$11,000	\$58,400	\$8,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 60/ LADDER CO. 17
Asset # : 13048

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2041	**	10	\$600	
Cast Stone/Terra Cotta	5%	4+	\$18,500	LIFE	**	5	\$14,900	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Street Facade</i>								
Masonry: Brick	72%	Now	\$220,500	LIFE	**	5	\$27,400	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rear And Side Walls</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : East Facade</i>								
<i>Spalling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rear And Side Walls</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 5%</i>								
<i>Location : East Facade At Stucco Area</i>								
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : East Facade</i>								
<i>Explanation : Stucco Over Brick</i>								
Masonry: Granite	5%	0-2	\$4,400	LIFE	**	5	\$1,400	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Street Facade</i>								
Masonry: Limestone	5%	4+	\$11,000	LIFE	**	5	\$1,400	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Street Facade</i>								
Metal Sect. OHD	5%			2036	**	5	\$6,000	
Metal: Cage/Fence	3%			2036	**	5	\$5,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Front Facade Windows</i>								
<i>Explanation : Decorative Iron Picket Railing</i>								
Windows								
Aluminum	80%			2039	**	5	\$2,300	
Aluminum	20%			2039	**	5	\$600	
<i>Recent Repair Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Second Floor Windows</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 60/ LADDER CO. 17
Asset # : 13048

Architecture		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior Parapets								
Cast Stone/Terra Cotta	5%	Now	\$3,200	LIFE	**	5	\$1,100	
<i>Caulking Deteriorated, Extent : Light, Area Affected : 20%</i>								
<i>Location : Front Facade</i>								
<i>Spalling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Cast Stone/Terra Cotta	3%	Now	\$9,100	LIFE	**	5	\$700	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Rear Facade</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Rear Facade</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Explanation : Terra Cotta Copping</i>								
Masonry: Brick	75%	Now	\$52,700	LIFE	**	5	\$2,100	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Street Facade</i>								
<i>Spalling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Interior Parapet Face Throughout</i>								
Masonry: Limestone	7%	Now	\$7,200	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : West Facade Copping</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Street Facade</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor Bathroom</i>								
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Explanation : Actually Bluestone</i>								
Metal Cornice	10%			2066	**	10	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Lower Roof Above Dining And Kitchen Area</i>								
<i>Explanation : New Metal Copping</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 60/ LADDER CO. 17
Asset # : 13048

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Built-Up (BUR)	75%	0-2	\$11,500	2026	\$115,200			
<i>Grvl/Blst Miss/Disp, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Flashing At Main Roof</i>								
Built-Up (BUR)	5%	Now	\$7,700	2041	**			
<i>Ponding, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Over Kitchen</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Over Kitchen</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Kitchen Roof Throughout</i>								
Modified Bitumen	10%			2039	**	10	\$1,300	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Lower Roof</i>								
Skylight, Metal/Glass	10%	0-2	\$18,500	2041	**			
<i>Deformed/Dented, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Skylight Components On Main Roof</i>								
<i>Recent Replace Evident, Extent : N/A, Area Affected : 30%</i>								
<i>Location : Glass At Skylights</i>								
Interior								
Floors								
Cast in Place Concrete	10%			LIFE	**	5	\$3,900	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Cast in Place Concrete	35%			LIFE	**	5	\$13,500	
Ceramic Tile	5%			2034	**	5	\$900	
Quarry Tile	5%			2044	**	5	\$1,300	
Sheet Vinyl/Rubber	25%			2039	**	5	\$6,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								
<i>Explanation : Recent Replacement Of New Rubber Tiles</i>								
Wood	20%	2-4	\$10,300	2034	**	5	\$3,300	
<i>Patching Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Third Floor</i>								
<i>Ridging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Third Floor</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Third Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Third Floor</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 60/ LADDER CO. 17
Asset # : 13048

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	20%			2034	**	5	\$4,900	
Glass: Single Pane	8%			LIFE	**	5	\$1,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								
<i>Explanation : Officers Rooms</i>								
Gypsum Board	5%			LIFE	**	5	\$700	
Masonry: Brick	30%	2-4	\$67,800	LIFE	**			
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement Vault, Rear And Side Walls</i>								
Plaster	37%	Now	\$4,300	LIFE	**	5	\$2,700	
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Second Floor Below Window In Officers Room</i>								
Ceilings								
AcousTileSusp.Lay-In	15%			2044	**	5	\$2,700	
Embossed Metal	25%	0-2	\$6,500	LIFE	**	5	\$2,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
Exposed Struc: Concrete	10%			LIFE	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Portion Of Basement</i>								
<i>Explanation : Slab Not Replaced</i>								
Exposed Struc: Steel	10%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corrugated Metal Below Apparatus Floor</i>								
Gypsum Board	5%			LIFE	**	5	\$1,100	
Plaster	35%	4+	\$3,700	LIFE	**	5	\$3,900	
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Third Floor At Skylights</i>								
<i>Recent Repair Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Second Floor Office</i>								
Site Enclosure								
Fence/Gates								
Chain Link	50%			2041	**			
Chain Link	50%			2041	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Driveway Area</i>								
<i>Explanation : Metal Panels Attached To Chain Link Fence</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			
Parking/Driveway								
Asphalt	100%	0-2	\$1,500	2034	**			
<i>Potholes, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Driveway</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 60/ LADDER CO. 17
Asset # : 13048

Electrical System Component Type	Current Repair			Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2051	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2051	**	5	\$300	
Raceway								
Conduit	50%			2041	**	1		
Conduit	50%			2051	**	1		
Panelboards								
Molded Case Bkrs	50%			2039	**	5	\$100	
Molded Case Bkrs	50%			2047	**	5	\$100	
Wiring								
Thermoplastic	50%			2041	**	1		
Thermoplastic	50%			2051	**	1		
Motor Controllers								
Locally Mounted	100%			2036	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	**	1	\$3,500	
Generators								
Diesel	100%			2040	**	1	\$4,400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : Emergency Generator Rated At 40 Kilowatts</i>						
Batteries								
Lead/Acid	100%			2025	\$2,400	5	\$400	
Fuel Storage								
Main Tank	100%			2059	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside The Building</i>						
		<i>Explanation : 50 Gallons Rated Capacity</i>						
Lighting								

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FIRE DEPARTMENT - 057
ENGINE CO. 60/ LADDER CO. 17
Asset # : 13048

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	79%			2036	**	10	\$8,200	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement, 1st Floor, 2nd Floor</i>							
	<i>Explanation : T-8 Lamps</i>							
Fluorescent	20%	Now	\$7,600	2041	**			
	<i>Other Observation, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : 3rd Floor</i>							
	<i>Explanation : Not Functional</i>							
LED	1%			2039	**			
Egress Lighting								
Emergency, Service	50%			2036	**	1		
Exit, Service	50%			2036	**	1		
Exterior Lighting								
HID	20%			2036	**	10		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2041	**	1		
Conversion Equipment Steam Boiler	100%			2036	**	1	\$11,100	
Distribution Central Plant Steam Piping/Pmp	100%			2041	**	4	\$800	
Terminal Devices Convactor/Radiator Unit Heater - Steam	80%			2036	**	1	\$2,900	
	20%			2031	\$12,500	4	\$200	
Air Conditioning								
Energy Source Electricity	100%			2039	**	1		
Conversion Equipment Split Unit	20%			2036	**			
	<i>Other Observation, Extent : Light, Area Affected : 20%</i>							
	<i>Location : Roof</i>							
	<i>Explanation : 2 Units. Split Unit Serves Bunk Area And Kichen. R-410a</i>							
Window/Wall Unit	30%			2026	\$12,500	1		
No Component	50%							
Terminal Devices Fan Coil - 2 Pipe No Component	20%			2041	**	1	\$700	
	80%							

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FIRE DEPARTMENT - 057
ENGINE CO. 60/ LADDER CO. 17
Asset # : 13048

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Heat Rejection								
	Dry Cooler	20%			2041	**	2	\$1,600
	No Component	80%						
Ventilation								
Distribution								
	Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,900
				<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>				
				<i>Location : 2nd Floor</i>				
				<i>Explanation : Fan Unit In 2nd Floor Bunk Bed Room</i>				
	No Component	70%						
Exhaust Fans								
	Interior	30%			2031	\$14,600	2	\$100
				<i>Other Observation, Extent : Moderate, Area Affected : 25%</i>				
				<i>Location : 3rd Floor</i>				
				<i>Explanation : Exhaust Fan In 3rd Floor Locker Room</i>				
	Roof	10%			2031	\$2,100	2	
	Wall Unit	60%			2031	\$2,800	2	\$200
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2041	**	1	
Water Heater With Tanks								
	Gas Fired	100%			2026	\$16,700	2	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : One 75 Gallon Unit</i>				
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2024	\$300	4	\$400
Fixtures								
	Generic	100%						
Fire Suppression								
Chemical System								
	Generic	100%			2026	\$79,700	1-3	\$74,400

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 62/ LADDER CO. 32
Address : 3431 WHITE PLAINS ROAD
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.062 / 13050 **Yr Built/Renovated** : 1903 /
Area Sq Ft : 6,878 **Project Type** : FIRE DEPARTMENT
Date of Survey : 28-Feb-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 4628 **Lot** : 53 **BIN** : 2056968

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$434,900	
Interior Architecture		\$64,300
Mechanical		\$79,700
Total	\$434,900	\$144,000
Importance Code A	\$434,900	
Importance Code B		\$144,000
Total	\$434,900	\$144,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$100,600		\$600	
Interior Architecture	\$92,600		\$2,100	\$300
Electrical	\$19,900	\$100	\$21,100	
Mechanical	\$50,200	\$6,500	\$27,000	\$6,300
Total	\$263,400	\$6,600	\$50,800	\$6,600
Importance Code A	\$101,300	\$600	\$1,300	\$600
Importance Code B	\$145,700	\$6,000	\$49,500	\$6,000
Importance Code C	\$16,500			
Total	\$263,400	\$6,600	\$50,800	\$6,600



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 62/ LADDER CO. 32
Asset # : 13050

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	10%	Now	\$9,800	2041	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Siding Missing On North Wall</i>								
Masonry: Brick	70%	Now	\$143,600	LIFE	**	5	\$17,900	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 65%</i>								
<i>Location : All Facades</i>								
Masonry: Granite	3%			LIFE	**	5	\$600	
Masonry: Limestone	7%	Now	\$13,700	LIFE	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Window Sills At Main Entrance Facade</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Stringcourse</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade Window Surrounds And Stringcourse</i>								
Metal Sect. OHD	10%	2-4	\$9,000	2044	**	5	\$4,000	
<i>Deformed/Dented, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
Windows								
Aluminum	100%	Now	\$9,600	2039	**	5	\$500	
<i>Air Infiltration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
Parapets								
Copper/Terne	20%			2051	**	5	\$1,300	
Masonry: Brick	55%	Now	\$44,000	LIFE	**	5	\$700	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Inside Parapet At Roof</i>								
Masonry: Limestone	10%			LIFE	**	5	\$200	
Metal Cornice	15%	Now	\$4,900	2059	**			1
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Cornice And Balustrade Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 62/ LADDER CO. 32
Asset # : 13050

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Asphalt Shingle	5%			2034	**	10	\$100	
Modified Bitumen	65%	Now	\$86,400	2041	**			
<i>Blisters, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Roof</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Gymnasium</i>								
Roll Roofing	20%	Now	\$9,500	2033	\$15,800	5	\$2,100	
<i>Blisters, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Lower Roof</i>								
Skylight, Metal/Glass	10%	Now	\$205,000	2061	**			1
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Worn And Deteriorated</i>								
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$49,500	LIFE	**	5	\$13,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : 1st Floor And Basement, Apparatus Room</i>								
<i>Uneven Surface, Extent : Moderate, Area Affected : 3%</i>								
<i>Location : 1st Floor And Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Room Floor</i>								
<i>Explanation : Temporary Posts In Cellar To Support Floor</i>								
Ceramic Tile	10%			2034	**	5	\$1,200	
Quarry Tile	5%			2036	**	5	\$900	
Vinyl Tile	20%	2-4	\$3,200	2031	\$64,300	3	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								
Wood	15%			2046	**	5	\$3,400	
Interior Walls								
Ceramic Tile	15%			2034	**	5	\$2,500	
Gypsum Board	20%			LIFE	**	5	\$2,000	
Masonry: Brick	25%	Now	\$15,200	LIFE	**			
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	20%			LIFE	**	5	\$1,000	
Plywood/Hardboard	15%			LIFE	**			
SGFT/Glazed Masonry	5%			LIFE	**			

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Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 62/ LADDER CO. 32
Asset # : 13050

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	15%	Now	\$600	2044	**	5	\$900	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Various Locations</i>								
Embossed Metal	50%	Now	\$15,300	LIFE	**	5	\$2,700	
<i>Bent/Warped Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 3%</i>								
<i>Location : West Of Apparatus Room</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 1st Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Locker Room</i>								
Exposed Struc: Concrete	20%	Now	\$7,000	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Plaster	10%			LIFE	**	5	\$700	
Plywood/Hardboard	5%			2051	**	1		
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2031	\$14,700	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>								
Raceway								
Conduit	100%			2031	\$36,000	1		
Panelboards								
Fused Disc Sw	5%			2030	\$2,400	5		
Molded Case Bkrs	95%			2030	\$46,000	5	\$200	
Wiring								
Braided Cloth	30%	0-2	\$9,800	2056	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	70%			2031	\$22,800	1		
Motor Controllers								
Locally Mounted	100%			2029	\$17,800	5		

Ground

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FIRE DEPARTMENT - 057
ENGINE CO. 62/ LADDER CO. 32
Asset # : 13050

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Ground

Grounding Devices
Generic

100%	2-4	\$10,200	LIFE	**	5	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>							
<i>Location : Water Main Basement</i>							
<i>Explanation : Corroded</i>							

Lighting

Interior Lighting
Fluorescent

30%			2026	\$17,500	10	\$1,900	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
<i>Location : Basement</i>							

Incandescent
LED

2%			2026	\$1,700	2	
68%			2036	**		

Exterior Lighting

LED

20%			2036	**		
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No Component

80%

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source
Natural Gas

100%			2051	**	1	
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Conversion Equipment
Radiant Heater

10%			2036	**	2	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
<i>Location : 1st Floor</i>							
<i>Explanation : Serves Gymnasium</i>							

Steam Boiler

90%			2044	**	1	\$6,100	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>							
<i>Location : Basement</i>							
<i>Explanation : Unit Only Work For 1 Zone</i>							

Distribution

Central Plant Steam
Piping/Pmp

100%			2057	**	4	\$500
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Terminal Devices

Convactor/Radiator
Unit Heater - Steam

90%			2036	**	1	\$2,000
10%			2031	\$3,800	4	\$100

Air Conditioning

Energy Source
Electricity

100%			2047	**	1	
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FIRE DEPARTMENT - 057
ENGINE CO. 62/ LADDER CO. 32
Asset # : 13050

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Conversion Equipment								
Exterior Pkg Unit - Cooling	30%	Now	\$13,300	2041	**	2	\$100	
	<i>Abandoned in Place, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : Roof</i>							
	<i>Other Observation, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : Roof</i>							
	<i>Explanation : Unit Past Useful Life, Not Serviceable</i>							
Split Unit	10%			2031	\$16,000			
Window/Wall Unit	40%			2026	\$10,200	1		
No Component	20%							
Distribution								
Ductwork/Diffusers	30%	Now	\$21,200	LIFE	**	2	\$2,700	
	<i>Other Observation, Extent : Severe, Area Affected : 75%</i>							
	<i>Location : 2nd Floor</i>							
	<i>Explanation : Broken And Missing Elements</i>							
No Component	70%							
Heat Rejection								
Dry Cooler	10%			2036	**	2	\$500	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : 1st Floor</i>							
	<i>Explanation : Split Units Serve Gymnasium</i>							
No Component	90%							
Ventilation								
Exhaust Fans								
Interior	30%	0-2	\$8,900	2041	**	2	\$100	
	<i>Other Observation, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Poor Ventilation In Building</i>							
Roof	70%			2036	**	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		
Water Heater With Tanks								
Gas Fired	100%			2029	\$16,700	2		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Two 75 Gallon Units</i>							
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Occasional Sewer Backups In Basement</i>							
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2024	\$200	4	\$200	

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FIRE DEPARTMENT - 057
ENGINE CO. 62/ LADDER CO. 32
Asset # : 13050

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Backflow Preventer							
	Generic	5%			2036	**	1	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Serves Boiler Only</i>						
	Generic	95%			2036	**	1	\$400
Fixtures								
	Generic	100%						
Fire Suppression								
	Chemical System							
	Wet	100%			2029	\$79,700	1-3	\$83,300
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Serves Cooking Area</i>						

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 63/ LADDER CO. 39
Address : 755 EAST 233RD STREET @ BYRON AVE.
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.063 / 13051 **Yr Built/Renovated** : 1971 / 2013
Area Sq Ft : 7,552 **Project Type** : FIRE DEPARTMENT
Date of Survey : 03-May-2019 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 4997 **Lot** : 13 **BIN** : 2068155

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture		\$25,500	\$400	
Interior Architecture	\$900		\$400	
Electrical	\$3,100	\$7,800	\$600	\$500
Mechanical	\$3,800	\$800	\$3,800	\$700
Total	\$7,700	\$34,000	\$5,200	\$1,300
Importance Code A	\$400	\$25,900	\$700	\$400
Importance Code B	\$7,300	\$8,200	\$4,500	\$900
Importance Code C				
Total	\$7,700	\$34,000	\$5,200	\$1,300



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 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 63/ LADDER CO. 39
Asset # : 13051

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	15%			LIFE	**	5	\$17,000	
Cast Stone/Terra Cotta	25%			LIFE	**	5	\$44,400	
Cement - Fiber Panel	20%			2035	**	10	\$14,200	
Masonry: Brick	30%			LIFE	**	5	\$6,800	
Wood Overhead Doors	10%			2043	**	5	\$11,400	
Windows								
Aluminum	100%			2046	**	5	\$700	
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$4,100	
Masonry: Brick	70%			LIFE	**	5	\$1,800	
Metal Panel	10%			2050	**	5	\$1,000	
Roof								
Modified Bitumen	90%			2035	**	10	\$10,800	
Skylight, Metal/Glass	10%			2050	**	10	\$4,000	
Soffits								
Fiberglass Panel	100%			2039	**	5		
Interior								
Floors								
Cast in Place Concrete	35%			LIFE	**	5	\$8,800	
Ceramic Tile	15%			2039	**	5	\$1,700	
Terrazzo	5%			LIFE	**	5	\$400	
Vinyl Tile	30%			2035	**	3	\$1,300	
Wood	15%			2058	**	5	\$3,200	
Interior Walls								
Cast in Place Concrete	15%			LIFE	**			
Concrete Masonry Unit	20%			LIFE	**	5	\$1,300	
Gypsum Board	50%			LIFE	**	5	\$4,700	
SGFT/Glazed Masonry	15%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	35%			2043	**	5	\$4,000	
Exposed Struc: Steel	15%			LIFE	**			
Gypsum Board	30%			LIFE	**	5	\$4,300	
Plaster	20%			LIFE	**	5	\$1,400	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2050	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2043	**			
On-Site Walkways								
Cast in Place Concrete	100%			2043	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 63/ LADDER CO. 39
Asset # : 13051

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2050	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : Main Service Disconnect Switch Rated At 400 Amperes.</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2050	**	5	\$200	
Raceway								
Conduit	100%			2050	**	1		
Panelboards								
Molded Case Bkrs	100%			2046	**	5	\$200	
Wiring								
Thermoplastic	100%			2050	**	1		
Motor Controllers								
Locally Mounted	100%			2043	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2043	**	1	\$2,300	
Generators								
Diesel	100%			2039	**	1	\$2,900	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Right Side Of The Building</i>						
		<i>Explanation : Emergency Generator Rated At 81 Kilovolt-ampere</i>						
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$300	
Fuel Storage								
Main Tank	100%			2058	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Right Side Of The Building</i>						
		<i>Explanation : 54 Gallons Rated Capacity</i>						
Lighting								
Interior Lighting								
Fluorescent	95%			2035	**	10	\$6,600	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : T- 8 Lamps</i>						
Fluorescent	5%			2035	**	10	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Hallways</i>						
		<i>Explanation : Compact Fluorescent Lights</i>						
Egress Lighting								
Emergency, Service	40%			2035	**	1		
Emergency, Battery	10%			2035	**	10	\$200	
Exit, LED	50%			2058	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 63/ LADDER CO. 39
Asset # : 13051

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting								
HID	30%			2035	**	10		
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source								
Natural Gas	100%			2050	**	1		

Conversion Equipment

Furnace	60%			2035	**	1	\$2,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 5 Rooftop Units</i>								

Hot Water Boiler	40%			2043	**	1	\$1,500	
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Distribution

Hot Wtr Piping/Pump	40%			2046	**	4	\$100	
No Component	60%							

Other Observation, Extent : Light, Area Affected : 0%

Location :

Explanation : No Temperature Control In House, Apparatus Floor Is Too Cold.

Terminal Devices

Convactor/Radiator	35%	0-2	\$1,100	2043	**	1	\$800	
<i>Noisy/Vibrating, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : And Leaks At Lunch Room, House Watch Room, 2nd Floor Officer's Locker Room And Girl's Bathroom.</i>								

Fan Coil Unit/Heat	5%			2035	**	1	\$100	
No Component	60%							

Air Conditioning

Energy Source								
Electricity	100%			2046	**	1		

Conversion Equipment

Ext Pkg Unit - Heating/Cooling	100%			2035	**	2	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 5 Rooftop Units, R-410a</i>								

Distribution

Ductwork/Diffusers	100%			LIFE	**	2	\$9,800	
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Ventilation

Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,200	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 63/ LADDER CO. 39
Asset # : 13051

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
Exhaust Fans								
Interior	10%			2035	**	2		
Roof	80%			2035	**	2	\$200	
Wall Unit	10%			2030	\$300	2		
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2050	**	1		
Water Heater With Tanks								
Gas Fired	100%			2028	\$16,700	2		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Two 75 Gallon Units</i>					
Sanitary Piping								
Cast Iron	100%	0-2	\$1,900	LIFE	**	1		
			<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Clogged At Rear Side Of The Apparatus Floor.</i>					
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2024	\$200	4	\$200	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 Duplex Units</i>					
Backflow Preventer								
Generic	100%			2035	**	1	\$500	
Fixtures								
Generic	100%							
			<i>Leaking Connections, Extent : Moderate, Area Affected : 2%</i>					
			<i>Location : 2nd Floor Chief's Toilet</i>					
Fire Suppression								
Sprinkler								
No Component	70%							
Generic	30%			2050	**	1-2	\$600	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Serves Basement Only</i>					
Chemical System								
No Component	99%							
Generic	1%			2028	\$800	1-3	\$700	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : 1 Set</i>					

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 64
Address : 1214 CASTLE HILL AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.064 / 13052 **Yr Built/Renovated** : 1912 /
Area Sq Ft : 4,050 **Project Type** : FIRE DEPARTMENT
Date of Survey : 24-Jun-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3821 **Lot** : 7 **BIN** : 2094871

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture	\$151,100	\$81,800
Total	\$151,100	\$81,800
Importance Code B	\$151,100	\$81,800
Total	\$151,100	\$81,800

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$31,100			
Interior Architecture	\$43,100			\$900
Electrical	\$500	\$300	\$300	\$2,700
Mechanical	\$4,600	\$500	\$8,000	\$500
Total	\$79,300	\$800	\$8,300	\$4,100
Importance Code A	\$31,500	\$400	\$400	\$400
Importance Code B	\$28,100	\$400	\$7,900	\$3,200
Importance Code C	\$19,700			\$500
Total	\$79,300	\$800	\$8,300	\$4,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 64
Asset # : 13052

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Masonry: Brick	70%			LIFE	**	5	\$31,200		
Masonry: Granite	5%			LIFE	**	5	\$1,700		
Masonry: Limestone	10%			LIFE	**	5	\$3,300		
Wood	5%			2038	**	5	\$5,600		
Wood Overhead Doors	10%			2038	**	5	\$11,200		
Windows									
Aluminum	100%			2049	**	5	\$800		
Parapets									
Masonry: Brick	80%			LIFE	**	5-10	\$9,900		
Masonry: Limestone	10%			LIFE	**	5-10	\$2,200		
Metal Cornice	10%			2048	**	10	\$600		
Roof									
Modified Bitumen	75%	4+	\$900	2038	**				
<i>Debris Present, Extent : Light, Area Affected : 20%</i>									
<i>Location : Main Roof</i>									
Roll Roofing	25%			2029		5	\$9,000	\$2,400	
Interior									
Floors									
Cast in Place Concrete	30%	Now	\$151,100	LIFE	**	5	\$4,000		
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>									
<i>Location : Basement</i>									
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Apparatus Floor</i>									
<i>Explanation : Slab Is Old And Does Not Carry Current Loads. It Is Shored Up From Basement</i>									
Ceramic Tile	5%	Now	\$1,700	2042	**	5	\$200		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : 2nd Floor Bathrooms, Captain Office Bathroom</i>									
Quarry Tile	10%			2038	**	5	\$900		
Vinyl Tile	50%			2033		3	\$81,800	\$1,500	
Wood	5%			2048	**	5	\$600		
Interior Walls									
Ceramic Tile	10%			2042	**	5	\$1,100		
Concrete Masonry Unit	5%			LIFE	**	5	\$400		
Gypsum Board	25%			LIFE	**	5-10	\$4,500		
Masonry: Fieldstone	15%	Now	\$14,200	LIFE	**				
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Basement</i>									
<i>Explanation : Water Penetration</i>									
Plaster	15%			LIFE	**	5-10	\$1,300		
SGFT/Glazed Masonry	30%			LIFE	**	10	\$1,600		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 64
Asset # : 13052

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileSusp.Lay-In	20%			2038	**	5	\$1,200	
Embossed Metal	70%	0-2	\$12,500	LIFE	**	5	\$1,900	

Broken/Missing Elements, Extent : Light, Area Affected : 5%

Location : Apparatus Floor

Loose/Miss Fasteners, Extent : Light, Area Affected : 5%

Location : Apparatus Floor

Exposed Struc: Concrete	10%	Now	\$8,900	LIFE	**	5	\$100	
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Loose/Delam Surface, Extent : Moderate, Area Affected : 20%

Location : Basement

Site Enclosure

Fence/Gates

Chain Link	100%			2043	**			
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2046	**			
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On-Site Walkways

Cast in Place Concrete	100%			2038	**			
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Parking/Driveway

Cast in Place Concrete	100%			2038	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2053	**	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : One 400 Ampere Main Disconnect Switch

Switchgear / Switchboard

Molded Case Bkrs	100%			2053	**	5	\$100	
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Raceway

Conduit	100%			2053	**	1		
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Panelboards

Fused Disc Sw	10%			2049	**	5		
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Molded Case Bkrs	90%			2049	**	5	\$100	
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Wiring

Thermoplastic	100%			2053	**	1		
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Motor Controllers

Locally Mounted	100%			2046	**	5		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Stand-by Power

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 64
Asset # : 13052

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Transfer Switches								
Automatic	100%			2046	**	1	\$1,300	
Generators								
Diesel	100%			2042	**	1	\$1,600	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : Emergency Generator Rated At 104 Kilovolt Amperes</i>						
Batteries								
Lead/Acid	100%			2027	\$2,400	5	\$200	
Fuel Storage								
Day Tank	100%			2049	**	5		
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 125 Gallons Rated Capacity</i>						
Lighting								
Interior Lighting								
Fluorescent	98%			2033	\$33,700	10	\$3,600	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
LED	2%			2041	**			
Egress Lighting								
Emergency, Service	60%			2033	\$1,500	1		
Emergency, Battery	10%			2033	\$700	10	\$100	
Exit, Service	30%			2033	\$500	1		
Exterior Lighting								
HID	15%			2028	\$2,800	10		
		<i>Lens/Guard Missing, Extent : Severe, Area Affected : 8%</i>						
		<i>Location : Outside</i>						
LED	5%			2041	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Steam Boiler	100%			2050	**	1	\$4,000	
		<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement. New Boiler</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One Unit</i>						
Distribution								
Steam Piping/Pump	100%			2043	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 64
Asset # : 13052

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Terminal Devices								
Convactor/Radiator	100%			2038	**	1	\$1,300	
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		
Conversion Equipment								
Split Unit	10%			2028	\$9,400			
Window/Wall Unit	50%			2026	\$7,500	1		
No Component	40%							
Ventilation								
Exhaust Fans								
Interior	100%			2028	\$17,500	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	10%			2043	**	1		
Galvanized Steel	90%			2038	**	1		
Water Heater With Tanks								
Gas Fired	100%			2028	\$16,700	2		
Sanitary Piping								
Cast Iron	100%	Now	\$2,500	LIFE	**	1		
		<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Bathroom Shower In 2nd Floor</i>						
Storm Drain Piping								
Cast Iron	100%	Now	\$1,400	LIFE	**	1		
		<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Basement</i>						
Sump Pump(s)								
Submersible	100%			2024	\$100	4	\$100	
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 65
Address : 33 WEST 43RD STREET BTWN 5TH AVE. - 6TH AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.065 / 13053 **Yr Built/Renovated** : 1898 / 2012
Area Sq Ft : 5,918 **Project Type** : FIRE DEPARTMENT
Date of Survey : 30-Oct-2018 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3,4
Block : 1259 **Lot** : 18 **BIN** : 1076256

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$77,500	\$73,200
Electrical		\$34,700
Total	\$77,500	\$108,000
Importance Code A	\$77,500	\$73,200
Importance Code B		\$34,700
Total	\$77,500	\$108,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$38,000		\$15,300	\$7,100
Interior Architecture	\$43,200			\$300
Electrical	\$400	\$4,800	\$400	\$400
Mechanical	\$2,700	\$33,200	\$1,200	\$900
Total	\$84,300	\$38,000	\$16,900	\$8,800
Importance Code A	\$38,600	\$600	\$15,900	\$7,700
Importance Code B	\$41,000	\$37,400	\$1,000	\$1,100
Importance Code C	\$4,700			
Total	\$84,300	\$38,000	\$16,900	\$8,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 65
Asset # : 13053

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	50%			LIFE	**	5	\$15,300	
Masonry: Limestone	40%	0-2	\$77,500	LIFE	**	5	\$9,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Truck Bay Entrance</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Front Facade</i>								
Metal Panel	10%			2056	**	5-10	\$21,100	
Windows								
Wood	100%			2052	**	5	\$14,100	
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$3,700	LIFE	**	5	\$1,200	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : South Facade</i>								
Masonry: Brick	90%	0-2	\$27,000	LIFE	**	5	\$1,400	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout, South Facade</i>								
Roof								
Asphalt Shingle	1%			2033		10		
Modified Bitumen	99%	Now	\$7,300	2030			\$73,200	
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Around Roof Drains</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Upper Roof Above Attic And Around Roof Drains</i>								
Soffits								
Masonry: Limestone	100%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$8,000	LIFE	**	5	\$9,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement Boiler Room</i>								
Ceramic Tile	5%			2039	**	5	\$500	
Quarry Tile	25%	0-2	\$9,700	2043	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	25%	Now	\$1,500	2038	**	3	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor And 3rd Floor Corridors And Bunk Room</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 65
Asset # : 13053

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Ceramic Tile	10%			2039	**	5	\$1,800	
Masonry: Brick	25%			LIFE	**			
Plaster	40%	Now	\$3,800	LIFE	**	5	\$2,200	

Cracking/Crumbling, Extent : Moderate, Area Affected : 5%

Location : Officer Toilet

Paint Peeling, Extent : Light, Area Affected : 25%

Location : Throughout

SGFT/Glazed Masonry	25%			LIFE	**			
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Ceilings

AcousTileSusp.Lay-In	20%	Now	\$700	2035	**	5	\$1,000	
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Cracking/Crumbling, Extent : Light, Area Affected : 10%

Location : Throughout

Embossed Metal	65%	0-2	\$18,300	LIFE	**	5	\$2,900	
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Paint Peeling, Extent : Severe, Area Affected : 50%

Location : Throughout

Exposed Struc: Steel	15%			LIFE	**			
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2043	**			
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Parking/Driveway

Cast in Place Concrete	100%			2043	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2040	**	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room

Explanation : One 200 Ampere Main Disconnect Switch. It Is In Satisfactory Condition.

Switchgear / Switchboard

Molded Case Bkrs	100%			2040	**	5	\$200	
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Raceway

Conduit	95%			2040	**	1		
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Conduit	5%			2056	**	1		
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Panelboards

Fused Disc Sw	5%			2038	**	5		
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Molded Case Bkrs	65%			2038	**	5	\$100	
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Molded Case Bkrs	30%			2052	**	5		
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Wiring

Thermoplastic	40%			2056	**	1		
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Thermoplastic	60%			2040	**	1		
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 65
Asset # : 13053

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Motor Controllers								
Locally Mounted	50%			2035	**	5		
Locally Mounted	50%			2047	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2035	**	1	\$1,800	
Generators								
Diesel	100%			2043	**	1	\$2,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : A New Diesel Generator Was Installed About 4 Years Ago.</i>								
Batteries								
Lead/Acid	100%			2025	\$2,600	5	\$200	
Fuel Storage								
Day Tank	50%			2052	**	5		
Main Tank	50%			2065	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : The 100 Gallons Diesel Tank Is In Good Condition.</i>								
Lighting								
Interior Lighting								
Fluorescent	63%			2030	\$34,700	10	\$3,400	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	35%			2038	**	10	\$1,900	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement And 1st Floor</i>								
Incandescent	2%			2025	\$1,600	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
<i>Explanation : Temporary Incandescent Light Installed On A Portion Of The 3rd Floor.</i>								
Egress Lighting								
Emergency, Service	60%			2030	\$2,300	1		
Emergency, Battery	40%			2038	**	10	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floor</i>								
<i>Explanation : Emergency LED Battery Pack Fixtures Have Been Incorporated Into The Emergency Lighting System.</i>								
Exterior Lighting								
HID	100%			2030	\$29,600	10		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 65
Asset # : 13053

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2050	**	1		
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
Conversion Equipment								
Steam Boiler	100%			2035	**	1	\$5,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Gas Fired Steam Boiler</i>								
Distribution								
Steam Piping/Pump	100%	Now	\$1,000	2040	**			
<i>Malfunctioning, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Water Hammer From Poorly Pitched Pipe In The Basement</i>								
Terminal Devices								
Convactor/Radiator	100%			2035	**	1	\$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		
Conversion Equipment								
Split Unit	10%			2025			\$15,100	
Window/Wall Unit	30%			2025		1	\$7,200	
No Component	60%							
Ventilation								
Distribution								
Ductwork/Diffusers	55%			LIFE	**	2-5	\$1,800	
No Component	45%							
Exhaust Fans								
Interior	35%			2025		2	\$9,800	\$100
Roof	25%	Now	\$300	2035	**	2		
<i>Malfunctioning, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Roof, Mechanical And Or Electrical Deficiencies</i>								
No Component	40%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	**	1		
Water Heater With Tanks								
Gas Fired	100%			2028		2	\$18,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	Now	\$400	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Probable Clogged Or Cracked Roof Drain Piping At Northeast Corner Of Roof.</i>								
<i>The Affected Area On The Roof Is Creating Water Damage On Floor Below</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 65
Asset # : 13053

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	Backflow Preventer								
	Generic	100%			2035	**	1	\$400	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	98%							
	Generic	2%			2028	\$1,700	1-3	\$1,500	
		<i>Other Observation, Extent : Light, Area Affected : 5%</i>							
		<i>Location : Kitchen</i>							
		<i>Explanation : Kitchen Hood</i>							

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 66/ LADDER CO. 61
Address : 21 ASCH LOOP W.
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.066 / 13054 **Yr Built/Renovated** : 1973 /
Area Sq Ft : 8,320 **Project Type** : FIRE DEPARTMENT
Date of Survey : 18-Nov-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5141 **Lot** : 103 **BIN** : 2072355

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$100,600	\$112,200
Electrical		\$127,000
Site Enclosure	\$90,300	
Total	\$190,900	\$239,200
Importance Code A	\$100,600	\$175,700
Importance Code B		\$63,500
Importance Code C	\$90,300	
Total	\$190,900	\$239,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$36,500	\$3,000		
Interior Architecture	\$35,500	\$300	\$500	\$1,200
Electrical	\$600	\$600	\$3,200	\$6,100
Mechanical	\$51,600	\$800	\$2,400	\$32,800
Site Pavements	\$9,800			
Total	\$134,000	\$4,800	\$6,100	\$40,100
Importance Code A	\$36,900	\$3,400	\$400	\$500
Importance Code B	\$69,000	\$1,400	\$5,200	\$39,600
Importance Code C	\$28,100		\$500	
Total	\$134,000	\$4,800	\$6,100	\$40,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 66/ LADDER CO. 61
Asset # : 13054

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	15%			2052	**	10	\$800	
Concrete Masonry Unit	5%	0-2	\$2,400	LIFE	**	5	\$600	
	<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : West Side</i>							
Masonry: Brick Cavity	70%	4+	\$21,500	LIFE	**	5	\$12,600	
	<i>Efflorescence, Extent : Moderate, Area Affected : 2%</i>							
	<i>Location : Chimney</i>							
Metal Sect. OHD	10%			2045	**	5	\$5,600	
Windows								
Aluminum	100%	Now	\$100,600	2057	**	5	\$1,100	
	<i>Air Infiltration, Extent : Moderate, Area Affected : 75%</i>							
	<i>Location : Throughout</i>							
	<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : Throughout</i>							
	<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 15%</i>							
	<i>Location : Throughout</i>							
	<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : Throughout</i>							
	<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : Throughout</i>							
	<i>Weather Strip Missing, Extent : Moderate, Area Affected : 25%</i>							
	<i>Location : Throughout</i>							
Roof								
Asphalt Shingle	10%			2035	**	10	\$200	
Modified Bitumen	90%	0-2	\$11,200	2032	\$112,200			
	<i>Alligatoring, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : Seams Throughout</i>							
	<i>Blisters, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : Throughout</i>							
Soffits								
Alum/Vinyl Siding	100%	Now	\$1,500	2052	**			
	<i>Deformed/Dented, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : South And Rear Of Building</i>							
Interior								

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Estimates are rounded to the nearest hundred dollars.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 66/ LADDER CO. 61
Asset # : 13054

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$10,300	LIFE	**	5	\$13,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%			2035	**	5	\$600	
<i>Worn/Eroded, Extent : Light, Area Affected : 10%</i>								
<i>Location : Toilets</i>								
Quarry Tile	3%			2037	**	5	\$600	
Terrazzo	2%			LIFE	**	5	\$200	
Vinyl Tile	40%	Now	\$2,700	2037	**	3	\$1,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Corridor</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Corridor</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Corridor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Corridor</i>								
Interior Walls								
Cast in Place Concrete	5%			LIFE	**			
Ceramic Tile	5%			2041	**	5	\$1,000	
Concrete Masonry Unit	15%	0-2	\$5,600	LIFE	**	5	\$1,200	
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor, Stair, Basement</i>								
Plaster	35%			LIFE	**	5	\$2,100	
Plywood/Hardboard	2%			LIFE	**			
SGFT/Glazed Masonry	38%	4+	\$13,500	LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Apparatus Room</i>								
<i>Explanation : Vertical Crack From Floor To Ceiling Near House Watch</i>								
Ceilings								
AcousTileSusp.Lay-In	5%			2037	**	5	\$600	
Exposed Struc: Concrete	45%			LIFE	**	5	\$900	
Gypsum Board	5%			LIFE	**	5	\$800	
Plaster	45%	Now	\$3,300	LIFE	**	5	\$3,500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Locker Room At Beam, Apparatus Room Beams And Ceiling</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor Officer Bathroom, Apparatus Room, Roof Hatch</i>								

Site Enclosure

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 66/ LADDER CO. 61
Asset # : 13054

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Enclosure

Fence/Gates

Chain Link	60%			2052		**	
Metal/Glass	40%	Now	\$90,300	2042		**	

Broken/Missing Elements, Extent : Severe, Area Affected : 40%

Location : Roof Guard Rail

Loose/Miss Fasteners, Extent : Severe, Area Affected : 5%

Location : Roof Guard Rail

Other Observation, Extent : N/A, Area Affected : 40%

Location : Roof Guard Rail

Explanation : Aluminum Guard Railing With Plexiglass Panels

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%	2-4	\$800	2045		**	
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Cracking/Crumbling, Extent : Light, Area Affected : 10%
Location : Throughout

On-Site Walkways

Cast in Place Concrete	100%	4+	\$800	2037		**	
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Misaligned/Bulging, Extent : Moderate, Area Affected : 10%
Location : Near Areaways

Parking/Driveway

Asphalt	80%	Now	\$4,800	2035		**	
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Cracking/Crumbling, Extent : Moderate, Area Affected : 5%
Location : Throughout
Sinking/Subsiding, Extent : Moderate, Area Affected : 10%
Location : Throughout

Cast in Place Concrete	20%	Now	\$3,300	2045		**	
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Cracking/Crumbling, Extent : Moderate, Area Affected : 5%
Location : East Side
Ponding, Extent : Moderate, Area Affected : 10%
Location : East Side
Sinking/Subsiding, Extent : Moderate, Area Affected : 10%
Location : East Side

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2032	\$63,500	5	\$200
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : One 400 Ampere Main Disconnect Switch

Switchgear / Switchboard

Molded Case Bkrs	100%			2032	\$63,500	5	\$200
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FIRE DEPARTMENT - 057
ENGINE CO. 66/ LADDER CO. 61
Asset # : 13054

Electrical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Raceway								
Conduit	95%			2032	\$34,200	1		
Conduit	5%			2052	**	1		
Panelboards								
Fused Disc Sw	5%			2031	\$2,400	5		
Molded Case Bkrs	65%			2031	\$31,500	5	\$100	
Molded Case Bkrs	30%			2048	**	5	\$100	
Wiring								
Thermoplastic	70%			2032	\$22,800	1		
Thermoplastic	30%			2052	**	1		
Motor Controllers								
Locally Mounted	100%			2030	\$17,800	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2045	**	1	\$2,600	
Generators								
Diesel	100%			2041	**	1	\$3,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Outside</i>								
<i>Explanation : One 80 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2026	\$2,400	5	\$300	
Fuel Storage								
Day Tank								
	50%			2048	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Outside</i>								
<i>Explanation : One 125 Gallons</i>								
Main Tank								
	50%			2035	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 550 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent								
	70%			2037	**	10	\$5,300	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement And Second Floor</i>								
LED								
	30%			2040	**			
Egress Lighting								
Emergency, Service								
	60%			2037	**	1		
Exit, Service								
	40%			2037	**	1		
Exterior Lighting								
HID								
	20%			2037	**	10		
No Component								
	80%							

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FIRE DEPARTMENT - 057
ENGINE CO. 66/ LADDER CO. 61
Asset # : 13054

Mechanical		Current Repair		Future Replacement		Maintenance		Priority	
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing									
	Backflow Preventer								
	No Component	95%							
	Generic	5%			2037	**	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
		<i>Location : Basement</i>							
		<i>Explanation : Serves Boiler Only</i>							
<hr/>									
	Fixtures								
	Generic	100%							
<hr/>									
Fire Suppression									
	Sprinkler								
	No Component	85%							
	Generic	15%			2042	**	1-2	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
		<i>Location : Basement</i>							
		<i>Explanation : Connected To Domestic Water, Serves Half Of Basement</i>							
<hr/>									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 67
Address : 518 WEST 170th STREET @ AUDUBON AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.067 / 13055 **Yr Built/Renovated** : 1898 /
Area Sq Ft : 5,904 **Project Type** : FIRE DEPARTMENT
Date of Survey : 27-May-2021 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2126 **Lot** : 34 **BIN** : 1063024

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture	\$144,100	
Electrical		\$85,700
Mechanical		\$87,500
Total	\$144,100	\$173,100
Importance Code B	\$144,100	\$173,100
Total	\$144,100	\$173,100

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$21,900	\$100		\$7,800
Interior Architecture	\$52,700	\$300		\$100
Electrical	\$14,700	\$400	\$3,200	\$500
Mechanical	\$22,800	\$6,300	\$6,900	\$12,800
Site Enclosure	\$1,200			
Total	\$113,400	\$7,000	\$10,100	\$21,200
Importance Code A	\$22,500	\$600	\$600	\$8,400
Importance Code B	\$75,000	\$6,400	\$9,500	\$12,700
Importance Code C	\$15,900			
Total	\$113,400	\$7,000	\$10,100	\$21,200



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 67
Asset # : 13055

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Iron	5%			LIFE	**			
Masonry: Brick	85%			LIFE	**	5	\$26,300	
Masonry: Limestone	5%			LIFE	**	5	\$1,200	
Wood Overhead Doors	5%			2037	**	5	\$7,700	
Windows								
Aluminum	100%	Now	\$15,400	2048	**	5	\$800	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout 3rd Floor, Gymnasium, Kitchen</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bathroom Window</i>								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$700	
Masonry: Brick	75%			LIFE	**	5	\$1,400	
Metal Rail	20%			2037	**	5-10	\$6,500	
<i>Deteriorated Finish, Extent : Light, Area Affected : 10%</i>								
<i>Location : Rear Side Of Roof</i>								
Roof								
Asphalt Shingle	6%			2035	**	10	\$100	
Metal Panel	2%	Now	\$500	2037	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Around Skylight, Attic</i>								
Modified Bitumen	90%	Now	\$6,000	2037	**			
<i>Blisters, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Main Roof</i>								
<i>Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Rear Edge Of Roof</i>								
Skylight, Metal/Glass	2%			2032			\$400	
Soffits								
Cast Iron	100%			LIFE	**			
Interior								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 67
Asset # : 13055

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	30%	Now	\$4,100	LIFE	**	5	\$4,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Ceramic Tile	5%	2-4	\$500	2041	**	5	\$200	
<i>Worn/Eroded, Extent : Light, Area Affected : 25%</i>								
<i>Location : Toilets Throughout</i>								
Quarry Tile	5%			2045	**	5	\$600	
Vinyl Tile	10%	4+	\$400	2032	\$22,100	3	\$300	
<i>Worn/Eroded, Extent : Light, Area Affected : 15%</i>								
<i>Location : 3rd Floor</i>								
Wood	50%	Now	\$23,800	2060	**	5	\$3,500	
<i>Deteriorated Finish, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor And Throughout</i>								
<i>Dry Rot/Decay, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor, Attic</i>								
<i>Split/Cracked, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor, Attic</i>								
Interior Walls								
Ceramic Tile	5%	Now	\$700	2035	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Toilets</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Kitchen</i>								
Gypsum Board	10%	0-2	\$300	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	5%	Now	\$11,600	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Plaster	35%	Now	\$2,100	LIFE	**	5	\$1,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout 2nd And 3rd Floor, Kitchen</i>								
SGFT/Glazed Masonry	30%			LIFE	**			
Wood	15%			LIFE	**	5	\$6,800	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 67
Asset # : 13055

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	20%	0-2	\$500	2037	**	5	\$700	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 3rd Floor</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Embossed Metal	30%	0-2	\$7,200	LIFE	**	5	\$1,000	
<i>Deformed/Dented, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 25%</i>								
<i>Location : Apparatus Room</i>								
Exposed Struc: Steel	15%	Now	\$144,100	LIFE	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement At Oil Fill</i>								
Exposed Struc: Wood	5%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Attic</i>								
<i>Explanation : Attic Exposed Wood Structure</i>								
Plaster	30%	Now	\$1,500	LIFE	**	5	\$1,400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	4+	\$1,200	2042	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 15%</i>								
<i>Location : Rear Yard</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2045	**			
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Front Of Building</i>								
<i>Explanation : Sidewalk Hatch Rusting And Defecting Under Minimal Weight.</i>								
On-Site Walkways								
Cast in Place Concrete	100%			2037	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Rear Yard</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2045	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 67
Asset # : 13055

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2032	\$16,200	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two 200 Ampere Main Disconnect Switches</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2032	\$69,700	5	\$200	
Raceway								
Conduit	100%			2032	\$39,500	1		
Panelboards								
Fused Disc Sw	5%			2031	\$2,700	5		
Molded Case Bkrs	30%			2031	\$16,000	5		
Molded Case Bkrs	65%			2048	**	5	\$100	
Wiring								
Braided Cloth	40%	2-4	\$14,300	2057	**	1		
		<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement, 1st Floor, 2nd Floor</i>						
Thermoplastic	60%			2052	**	1		
Motor Controllers								
Locally Mounted	100%			2030	\$19,500	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2045	**	1	\$1,800	
Generators								
Diesel	100%			2041	**	1	\$2,300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : One 40 Kilowatts</i>						
Batteries								
Lead/Acid	100%			2026	\$2,600	5	\$200	
Fuel Storage								
Day Tank	50%			2048	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Generator Room</i>						
		<i>Explanation : One 75 Gallons</i>						
Main Tank	50%			2060	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 550 Gallon</i>						
Lighting								
Interior Lighting								
LED	100%			2037	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 67
Asset # : 13055

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Egress Lighting

Exit, Service	50%			2037	**	1		
No Component	50%							

Exterior Lighting

LED	20%			2037	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas	100%			2052	**	1		
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Conversion Equipment

Steam Boiler	100%			2052	**	1	\$5,900	
<i>Recent Installation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								

Distribution

Central Plant Steam Piping/Pmp	100%			2042	**	4	\$300	
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Terminal Devices

Convactor/Radiator	100%			2037	**	1	\$1,900	
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Air Conditioning

Conversion Equipment

Window/Wall Unit	100%			2030	\$24,000	1		
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Ventilation

Distribution

Ductwork/Diffusers	100%	0-2	\$5,600	LIFE	**	2-5	\$3,300	
<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen Exhaust Dripping Water Occasionally Into The Kitchen</i>								

Exhaust Fans

Wall Unit	100%			2032	\$2,700	2	\$200	
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Plumbing

H/C Water Piping

Galvanized Steel	100%			2037	**	1		
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Water Heater With Tanks

Gas Fired	100%			2030	\$18,300	2		
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Sanitary Piping

Cast Iron	100%	Now	\$4,000	LIFE	**	1		
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Blockage /Clogged, Extent : Moderate, Area Affected : 10%

Location : Sewage Backup In Basement

Leak Evident, Extent : Moderate, Area Affected : 10%

Location : Basement

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FIRE DEPARTMENT - 057
ENGINE CO. 67
Asset # : 13055

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Storm Drain Piping Cast Iron	100%	Now	\$400	LIFE	**	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor, Basement</i>								
Sump Pump(s) Non-Submersible	100%			2032	\$1,300	4	\$200	
Fixtures Generic	100%							
Fire Suppression								
Chemical System Generic	100%			2030	\$87,500	1-3	\$80,900	

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 68/ LADDER CO. 49
Address : 1160 OGDEN AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.068 / 13056 **Yr Built/Renovated** : 1979 /
Area Sq Ft : 10,220 **Project Type** : FIRE DEPARTMENT
Date of Survey : 11-Oct-2019 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 2514 **Lot** : 56 **BIN** : 2003268

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$393,200	
Electrical	\$100,300	\$127,000
Mechanical	\$79,700	
Total	\$573,300	\$127,000
Importance Code A	\$393,200	\$63,500
Importance Code B	\$180,000	\$63,500
Total	\$573,300	\$127,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$29,900			
Interior Architecture	\$34,800			\$800
Electrical	\$3,300	\$800	\$6,600	\$800
Mechanical	\$6,500	\$6,700	\$89,600	\$7,000
Site Enclosure	\$8,000			
Total	\$82,500	\$7,500	\$96,200	\$8,500
Importance Code A	\$30,300	\$500	\$500	\$500
Importance Code B	\$36,100	\$7,000	\$95,700	\$8,000
Importance Code C	\$16,100			
Total	\$82,500	\$7,500	\$96,200	\$8,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 68/ LADDER CO. 49
Asset # : 13056

Architecture	Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%	Now	\$9,100	LIFE	**	5	\$9,100	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Front Facade Window Sill</i>								
Concrete Masonry Unit	80%	2-4	\$196,000	LIFE	**	5	\$11,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 1%</i>								
<i>Location : At Overhead Doors And 2nd Floor Front</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front Facade</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : South Facade</i>								
<i>Other Observation, Extent : Severe, Area Affected : 15%</i>								
<i>Location : East Facade Wall At Gymnasium</i>								
<i>Explanation : Graffiti</i>								
Masonry: Brick	10%	Now	\$3,800	LIFE	**	5	\$2,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Front Facade Pier</i>								
Metal Sect. OHD	5%			2044	**	5	\$3,700	
Windows								
Aluminum	95%	Now	\$51,800	2056	**	5	\$600	1
<i>Air Infiltration, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Screens Missing Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Wire Glass At 1st Floor House Watch Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : At Lockers And Sleeping Rooms</i>								
Metal Louvers	5%			2034	**	10	\$400	

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FIRE DEPARTMENT - 057
ENGINE CO. 68/ LADDER CO. 49
Asset # : 13056

Architecture		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$3,300	LIFE		* *	5	\$1,500
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Street Facade</i>								
<i>Open Joints, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Street Facade</i>								
Concrete Masonry Unit	80%	Now	\$9,100	LIFE		* *	5	\$1,700
<i>Expansion Joint Failure, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Main Roof</i>								
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof Parapet</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Rear Facade</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof Parapet At All Walls</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Facades</i>								
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Explanation : Step Cracks Throughout And At Dunnage Connections</i>								
Metal Panel	5%	Now	\$700	2041		* *	5	\$200
<i>Loose/Miss Fasteners, Extent : Severe, Area Affected : 10%</i>								
<i>Location : East Facade Coping</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Explanation : Aluminum Coping</i>								
Metal: Cage/Fence	5%			2048		* *	5-10	\$700
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Lower Roof</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 68/ LADDER CO. 49
Asset # : 13056

Architecture		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Asphalt Shingle	5%	Now	\$200	2034		**		
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Highpoint At Roof And Wall Connection</i>								
Modified Bitumen	95%	Now	\$145,400	2041		**		1
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : All Roofs</i>								
<i>Drains Inad/Misposn, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Lower Roof</i>								
<i>Ridging, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : At Parapet Cant Strip</i>								
<i>Seams Open/Split, Extent : Severe, Area Affected : 20%</i>								
<i>Location : At Roof Penetrations And All Perimeter Flashing</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Below Dunnage Of Main Roof</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Above Kitchen And Officers Office At First Floor</i>								
Soffits								
Stucco Cement	100%	4+	\$1,500	2036		**	5	\$900
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 68/ LADDER CO. 49
Asset # : 13056

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior Floors								
Cast in Place Concrete	40%	4+	\$10,200	LIFE	**	5	\$13,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At Overhead Doors</i>								
Ceramic Tile	15%	Now	\$6,300	2040	**	5	\$1,100	
<i>Drains Inad/Misposn, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Mens Bathroom Shower Area</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mens Bathroom Shower Area</i>								
<i>Explanation : No Pitch To Drain Was Added</i>								
Quarry Tile	5%	Now	\$2,700	2036	**	5	\$600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Kitchen</i>								
<i>Uneven Substrate, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	5%	Now	\$6,200	2041	**	3	\$300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Sitting Area And Officers Office</i>								
<i>Uneven Substrate, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Sitting Area And Officers Office</i>								
Vinyl Tile	35%			2039	**	3	\$2,700	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								
<i>Explanation : Actually Rubber Tiles</i>								
Interior Walls								
Ceramic Tile	10%			2044	**	5	\$1,300	
Concrete Masonry Unit	30%	Now	\$7,400	LIFE	**	5	\$1,600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Second Floor Officers Bedrooms</i>								
Gypsum Board	25%			LIFE	**	5	\$2,000	
SGFT/Glazed Masonry	35%			LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Kitchen</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 68/ LADDER CO. 49
Asset # : 13056

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Interior

Ceilings

AcousTileSusp.Lay-In	15%			2048	**	5	\$2,300	
AcousTileSusp.Lay-In	5%	2-4	\$600	2036	**	5	\$400	

Misaligned/Bulging, Extent : Moderate, Area Affected : 5%

Location : Kitchen

Staining/Discoloring, Extent : Light, Area Affected : 30%

Location : Kitchen

Other Observation, Extent : Light, Area Affected : 100%

Location : Kitchen

Explanation : Kitchen

Exposed Struc: Concrete Gypsum Board	75%			LIFE	**	5	\$1,800	
	5%			LIFE	**	5	\$1,000	

Site Enclosure

Fence/Gates

Chain Link	100%	0-2	\$400	2041	**			
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Corrosion/Rusting, Extent : Moderate, Area Affected : 10%

Location : Parking Area Fence

Other Observation, Extent : Moderate, Area Affected : 50%

Location : Parking Area Fence

Explanation : Misaligned Making It Difficult To Operate

Free Standing Walls

Concrete Masonry Unit	95%	2-4	\$7,200	2041	**			
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Water Penetration, Extent : Moderate, Area Affected : 20%

Location : North Freestanding Wall

Concrete Masonry Unit	5%	2-4	\$400	2041	**			
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Water Penetration, Extent : Moderate, Area Affected : 50%

Location : Copping Stones

Other Observation, Extent : N/A, Area Affected : 100%

Location : Freestanding Wall

Explanation : Actually Concrete Copping Stones

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2036	**			
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Parking/Driveway

Cast in Place Concrete	100%			2036	**			
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Electrical		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2031	\$63,500	5	\$300	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room

Explanation : Main Service Disconnect Switch Rated At 400 Amperes.

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 68/ LADDER CO. 49
Asset # : 13056

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	\$63,500	5	\$300	
Raceway								
Conduit	70%			2031	\$25,200	1		
Conduit	30%			2051	**	1		
Panelboards								
Molded Case Bkrs	70%			2030	\$33,900	5	\$200	
Molded Case Bkrs	30%			2047	**	5	\$100	
Wiring								
Thermoplastic	70%			2031	\$22,800	1		
Thermoplastic	30%			2051	**	1		
Motor Controllers								
Locally Mounted	100%			2036	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	**	1	\$3,100	
Generators								
Diesel	100%			2027	\$99,500	1	\$4,000	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 2nd Floor Mechanical Room</i>					
			<i>Explanation : Emergency Generator Rated At 15 Kilowatts</i>					
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$400	
Fuel Storage								
Main Tank	100%			2034	**	5		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 2nd Floor Mechanical Room</i>					
			<i>Explanation : 200 Gallons Rated Capacity</i>					
Lighting								
Interior Lighting								
Fluorescent	59%			2036	**	10	\$5,500	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : T-8 Lamps</i>					
Fluorescent	1%			2026	\$900	10	\$100	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Boiler Room</i>					
			<i>Explanation : Compact Fluorescent Lights</i>					
LED	40%			2036	**			
Egress Lighting								
Emergency, Service	50%			2036	**	1		
Exit, LED	50%			2059	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 68/ LADDER CO. 49
Asset # : 13056

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting								
HID	20%			2036	**	10		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source								
Electricity	20%			2041	**	1		
Natural Gas	80%			2041	**	1		

Conversion Equipment

Heat Pump Air Sourced	20%			2035	**	2	\$600	
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Other Observation, Extent : Light, Area Affected : 20%

Location : Roof

Explanation : 3 Package Units

Hot Water Boiler	80%			2036	**	1	\$4,000	
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Other Observation, Extent : Light, Area Affected : 80%

Location : Boiler Room

Explanation : 1 Unit

Distribution

Hot Wtr Piping/Pump	80%			2039	**	4	\$400	
No Component	20%							

Terminal Devices

Convactor/Radiator	70%			2036	**	1	\$2,300	
Fan Coil Unit/Heat	20%			2039	**	1	\$700	
Unit Heater - Steam	10%			2031		4	\$100	

Air Conditioning

Energy Source								
Electricity	100%			2039	**	1		

Conversion Equipment

Heat Pump Air Sourced	20%			2035	**	2	\$100	
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Other Observation, Extent : Light, Area Affected : 20%

Location : Roof

Explanation : 3 Package Units. R-410a

Split Unit	10%			2026			\$23,700	
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R-22 Refrigerant, Extent : Light, Area Affected : 10%

Location : 1 Unit, Roof

Window/Wall Unit	30%			2026			\$11,300	1
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No Component	40%							
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Terminal Devices

Fan Coil - 2 Pipe	10%			2026			\$18,300	1
Fan Coil - 4 Pipe	20%			2039	**	1	\$700	
No Component	70%							

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FIRE DEPARTMENT - 057
ENGINE CO. 68/ LADDER CO. 49
Asset # : 13056

Mechanical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Air Conditioning							
Heat Rejection							
Dry Cooler	10%			2026	\$2,700	2	\$700
Dry Cooler	20%			2039	**	2	\$1,400
No Component	70%						
Ventilation							
Distribution							
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,700
Exhaust Fans							
Roof	100%			2036	**	2	\$300
Plumbing							
H/C Water Piping							
Brass/Copper	100%			2041	**	1	
Water Heater With Tanks							
Gas Fired	100%			2026	\$16,700	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
<i>Location : 2nd Floor</i>							
<i>Explanation : Two 75 Gallon Units</i>							
Sanitary Piping							
Cast Iron	50%			LIFE	**	1	
Cast Iron	50%			LIFE	**	1	
Storm Drain Piping							
Cast Iron	100%			LIFE	**	1	
Fixtures							
Generic	100%						
Fire Suppression							
Sprinkler							
No Component	90%						
Generic	10%			2041	**	1-2	\$300
<i>Other Observation, Extent : Light, Area Affected : 10%</i>							
<i>Location : 1st And 2nd Floor</i>							
<i>Explanation : Serves Stairs</i>							
Chemical System							
Wet	100%			2026	\$79,700	1-3	\$83,300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
<i>Location : Kitchen</i>							
<i>Explanation : Serves Cooking Area</i>							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 69
Address : 248 WEST 143rd STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.069 / 13057 **Yr Built/Renovated** : 1904 / 1997
Area Sq Ft : 11,250 **Project Type** : FIRE DEPARTMENT
Date of Survey : 30-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2028 **Lot** : 51 **BIN** : 1075491

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture		\$129,700
Interior Architecture	\$52,100	
Electrical	\$171,000	\$127,000
Mechanical	\$79,700	\$308,600
Total	\$302,800	\$565,300
Importance Code A		\$193,200
Importance Code B	\$302,800	\$372,100
Total	\$302,800	\$565,300

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$71,100		\$16,900	
Interior Architecture	\$23,700	\$1,100	\$1,300	\$1,000
Electrical	\$20,100	\$900	\$24,500	\$800
Mechanical	\$18,900	\$9,000	\$13,500	\$15,100
Site Pavements	\$4,100			
Total	\$137,800	\$11,100	\$56,200	\$16,900
Importance Code A	\$71,600	\$600	\$17,600	\$600
Importance Code B	\$53,000	\$9,400	\$38,600	\$16,400
Importance Code C	\$13,200	\$1,100		
Total	\$137,800	\$11,100	\$56,200	\$16,900



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FIRE DEPARTMENT - 057
ENGINE CO. 69
Asset # : 13057

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	20%			LIFE	**	5	\$7,800	
Masonry: Granite	10%			LIFE	**	5	\$2,900	
Metal Panel	5%			2041	**	5-10	\$13,300	
Metal Sect. OHD	5%			2044	**	5	\$6,100	
Stucco Cement	60%			2044	**	5	\$58,200	
Windows								
Aluminum	100%	Now	\$13,000	2030	\$129,700	5	\$1,400	
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 25%</i>								
<i>Location : 2nd, 3rd Front And Back Facade</i>								
<i>Glazing Broken/Cracked, Extent : Severe, Area Affected : 1%</i>								
<i>Location : 3rd Floor Window In Rear Of Building</i>								
Parapets								
Copper/Terne	25%			2066	**	5	\$3,000	
Metal Panel	75%			2051	**	5	\$7,200	
Roof								
Asphalt Shingle	5%			2040	**	10	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Yard</i>								
<i>Explanation : Outdoor Kitchen Surround</i>								
Modified Bitumen	67%			2036	**	10	\$8,100	
Modified Bitumen	20%	4+	\$26,000	2041	**			
<i>Debris Present, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Lower Roof</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Lower Roof</i>								
Skylight, Metal/Glass	8%			2051	**	10	\$3,200	
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	**	5	\$17,400	
Quarry Tile	10%			2036	**	5	\$2,700	
Vinyl Tile	45%			2039	**	3	\$4,000	
Interior Walls								
Ceramic Tile	10%			2040	**	5	\$2,200	
Gypsum Board	40%	4+	\$2,400	LIFE	**	5	\$5,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Stairwell, Kitchen And Toilet</i>								
Masonry: Brick	15%			LIFE	**			
Plaster	35%	Now	\$9,300	LIFE	**	5	\$2,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement Stair</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 69
Asset # : 13057

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileSusp.Lay-In	50%			2044	**	5	\$8,900	
Exposed Struc: Steel	25%	Now	\$52,100	LIFE	**			

Corrosion/Rusting, Extent : Severe, Area Affected : 15%

Location : Sidewalk And Rear Addition Vaults

Water Penetration, Extent : Severe, Area Affected : 20%

Location : Basement

Other Observation, Extent : N/A, Area Affected : 80%

Location : Throughout

Explanation : Material Is Actually Metal Decking

Plaster	25%	0-2	\$6,600	LIFE	**	5	\$2,800	
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Worn/Eroded, Extent : Moderate, Area Affected : 15%

Location : Apparatus Room and Kitchen

Site Enclosure

Fence/Gates

Chain Link	100%			2051	**			
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%	Now	\$2,500	2044	**			
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Ponding, Extent : Severe, Area Affected : 10%

Location : Apron End To Apparatus Area

Parking/Driveway

Asphalt	100%	4+	\$1,600	2040	**			
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Ponding, Extent : Moderate, Area Affected : 5%

Location : Parking Area

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2031	\$63,500	5	\$300	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : One 600 Ampere Main Disconnect Switch

Switchgear / Switchboard

Molded Case Bkrs	100%			2031	\$63,500	5	\$300	
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Raceway

Conduit	100%			2031	\$36,000	1		
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Panelboards

Fused Disc Sw	5%			2030	\$2,400	5		
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Molded Case Bkrs	95%			2030	\$46,000	5	\$300	
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FIRE DEPARTMENT - 057
ENGINE CO. 69
Asset # : 13057

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Wiring								
Braided Cloth	20%	2-4	\$6,500	2056	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Thermoplastic	80%			2031	\$26,000	1		
Motor Controllers								
Locally Mounted	100%			2029	\$17,800	5	\$100	
Ground								
Grounding Devices								
Generic	100%	2-4	\$10,200	LIFE	**	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Corroded</i>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2029	\$12,900	1	\$3,500	
Generators								
Diesel	100%			2027	\$99,500	1	\$4,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 62 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$400	
Fuel Storage								
Day Tank								
	50%			2030	\$12,500	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Generator Area Outside</i>								
<i>Explanation : One 50 Gallons</i>								
Main Tank								
	50%			2034	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 550 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent								
	73%			2026	\$69,700	10	\$7,500	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	2%			2026	\$1,900	10	\$200	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
LED	25%			2039	**			
Egress Lighting								
Emergency, Service	45%			2026	\$3,000	1		
Emergency, Service	5%			2039	**	1		
Exit, Service	50%			2026	\$2,400	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 69
Asset # : 13057

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting								
HID	20%			2026	\$10,300	10		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source								
Plant Campus Steam / PRV	70%	Now	\$100	2041	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Basement</i>								
<i>Explanation : Steam Comes From Adjacent Building Which Is The Police Station.</i>								
<i>Insulation Insufficient</i>								
Natural Gas	30%			2041	**	1		

Conversion Equipment

Furnace	30%			2031	\$10,300	1	\$1,700	
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : Roof</i>								
<i>Explanation : 4 Rooftop Gas Fired Heating And Cooling Units</i>								

Heat Exchanger, Plate & Frame	70%			2034	**	1	\$3,900	
<i>Other Observation, Extent : Light, Area Affected : 70%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								

Distribution

Central Plant Steam Piping/Pmp	70%	Now	\$4,300	2031	\$216,300	4	\$400	
<i>Malfunctioning, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Throughout. Temperature Control Defective</i>								
No Component	30%							

Terminal Devices

Convactor/Radiator	25%			2036	**	1	\$900	
Convactor/Radiator	5%	0-2	\$200	2036	**	1	\$200	
<i>Corroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 3rd Floor. Corroded Radiator</i>								

Unit Heater - Steam	40%			2031	\$25,000	4	\$400	
No Component	30%							

Air Conditioning

Energy Source								
Electricity	100%			2039	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 69
Asset # : 13057

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	50%			2031	\$92,300	2	\$300	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 50%</i>								
<i>Location : 4 Units. Roof</i>								
Window/Wall Unit	10%			2026	\$4,200	1		
No Component	40%							
Heat Rejection								
Air Cooled Condenser Unit	100%			2031	\$19,100	2	\$7,800	
Ventilation								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$3,100	
No Component	50%							
Exhaust Fans								
Roof	55%			2031	\$11,700	2	\$200	
Wall Unit	25%	Now	\$100	2031	\$1,200	2	\$100	
<i>Malfunctioning, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 1st Floor Operational Area</i>								
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Air Ventilation Is Poor In 1st Floor Recommending More Wall Units</i>								
No Component	20%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		
Water Heater With Tanks								
Electric	100%			2029	\$23,100	4		
HW Heat Exchanger								
Steam Fired	100%			2041	**	4	\$1,700	
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	80%			LIFE	**	1		
Cast Iron	20%	0-2	\$800	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Room. Blocked, Clogged Floor Drain</i>								
Sump Pump(s)								
Non-Submersible	100%			2026	\$2,200	4	\$200	
Fixtures								
Generic	90%							
Generic	10%							
<i>Leaking Faucets/Valves/Heads, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 3rd Floor Sink Leaking Faucets</i>								
Fire Suppression								
Sprinkler								
Generic	100%			2057	**	1-2	\$3,200	

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FIRE DEPARTMENT - 057
ENGINE CO. 69
Asset # : 13057

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Fire Pump							
	Generic	100%	Now	\$500	2034	**	1	\$1,900
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Leaking In Basement</i>								
Chemical System	Generic	100%			2024	\$79,700	1-3	\$80,900
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 7/ LADDER CO. 1/ BATTALION 1
Address : 100 DUANE STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.007 / 13006 **Yr Built/Renovated** : 1905 / 2002
Area Sq Ft : 18,890 **Project Type** : FIRE DEPARTMENT
Date of Survey : 01-Nov-2018 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 150 **Lot** : 25 **BIN** : 1001647

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$460,100	
Interior Architecture	\$103,700	
Electrical		\$131,900
Mechanical		\$176,500
Total	\$563,700	\$308,400
Importance Code A	\$460,100	\$176,500
Importance Code B	\$103,700	\$131,900
Total	\$563,700	\$308,400

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$61,300			
Interior Architecture	\$83,700			\$1,100
Electrical	\$31,900	\$4,700	\$1,100	\$1,300
Mechanical	\$14,000	\$4,500	\$8,800	\$2,800
Total	\$190,800	\$9,200	\$9,900	\$5,100
Importance Code A	\$63,100	\$1,900	\$1,900	\$1,900
Importance Code B	\$69,000	\$7,300	\$8,000	\$3,300
Importance Code C	\$58,700			
Total	\$190,800	\$9,200	\$9,900	\$5,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 7/ LADDER CO. 1/ BATTALION 1
Asset # : 13006

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$274,800	LIFE	**	5	\$31,100	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Wall</i>								
<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Wall</i>								
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Rear Wall</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Wall</i>								
Masonry: Granite	5%	Now	\$18,800	LIFE	**	5	\$1,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Truck Bay Doors</i>								
Masonry: Limestone	10%	2-4	\$56,300	LIFE	**	5	\$3,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Wall</i>								
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : Front Wall</i>								
Metal Sect. OHD	10%			2043	**	5	\$13,900	
Stucco Cement	5%			2043	**	5	\$5,600	
Windows								
Aluminum	100%	Now	\$16,100	2046	**	5	\$1,600	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 3rd Floor In Gymnasium</i>								
Parapets								
Masonry: Brick	85%	2-4	\$7,200	LIFE	**	5	\$2,700	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout.</i>								
Masonry: Limestone	15%	0-2	\$4,700	LIFE	**	5	\$600	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Roof</i>								
Roof								
Modified Bitumen	95%	Now	\$128,900	2035	**			
<i>Debris Present, Extent : Light, Area Affected : 5%</i>								
<i>Location : At Drains</i>								
<i>Drains Clogged, Extent : Light, Area Affected : 2%</i>								
<i>Location : Over Kitchen Roof</i>								
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Drain And Exhaust Fan</i>								
Skylight, Metal/Glass	5%	Now	\$14,500	2050	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Middle Of 2 Skylights</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Hose Tower</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 7/ LADDER CO. 1/ BATTALION 1
Asset # : 13006

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	35%			LIFE	**	5	\$21,600	
Ceramic Tile	5%			2039	**	5	\$1,400	
Quarry Tile	5%			2043	**	5	\$2,100	
Vinyl Tile	10%	Now	\$1,700	2035	**	3	\$1,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout 2nd Floor</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout 2nd Floor</i>								
Vinyl Tile 9" X 9"	20%	Now	\$53,500	2040	**	3	\$2,100	
<i>Adhesion Failure, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout 3rd Floor</i>								
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout 3rd Floor</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout 3rd Floor</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout 3rd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout 3rd Floor</i>								
Wood	25%	0-2	\$22,600	2045	**	5	\$6,600	
<i>Deteriorated Finish, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Corridor And Bunk Room.</i>								
<i>Dry Rot/Decay, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Corridor And Bunk Room.</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Corridor And Bunk Room.</i>								
<i>Split/Cracked, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Corridor And Bunk Room.</i>								
Interior Walls								
Ceramic Tile	5%			2039	**	5	\$1,900	
Concrete Masonry Unit	5%			LIFE	**	5	\$800	
Gypsum Board	20%			LIFE	**	5	\$4,700	
Masonry: Brick	15%	Now	\$23,800	LIFE	**			
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : North Wall Basement</i>								
Plaster	30%	Now	\$15,200	LIFE	**	5	\$3,500	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor, Front Wall</i>								
SGFT/Glazed Masonry	25%	Now	\$18,700	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor.</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Room</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 7/ LADDER CO. 1/ BATTALION 1
Asset # : 13006

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileSusp.Lay-In	15%			2043	**	5	\$4,200	
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Staining/Discoloring, Extent : Light, Area Affected : 5%
Location : Various Locations Throughout

Embossed Metal	55%	Now	\$50,200	LIFE	**	5	\$7,000	
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Broken/Missing Elements, Extent : Severe, Area Affected : 25%
Location : Throughout
Corrosion/Rusting, Extent : Severe, Area Affected : 25%
Location : Throughout

Plaster	30%			LIFE	**	5	\$5,300	
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2043	**			
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On-Site Walkways

Cast in Place Concrete	100%			2035	**			
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Parking/Driveway

Cast in Place Concrete	100%			2043	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2040	**	5	\$100	
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Enclosure Corroded, Extent : Severe, Area Affected : 30%
Location : Basement

Other Observation, Extent : Light, Area Affected : 100%
Location : Basement

Explanation : The Service Switch Is Rated 400 Amperes. The Current Transformer Cabinet Is Corroded.

Raceway

Conduit	80%			2030	\$31,600	1		
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Conduit	20%			2040	**	1		
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Recent Installation, Extent : N/A, Area Affected : 100%
Location : Basement

Panelboards

Molded Case Bkrs	75%			2038	**	5	\$400	
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Molded Case Bkrs	25%			2038	**	5	\$100	
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Wiring

Braided Cloth	20%	0-2	\$7,100	2055	**	1		
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Insulation Aged, Extent : Moderate, Area Affected : 100%
Location : Throughout

Thermoplastic	60%			2040	**	1		
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Thermoplastic	20%			2040	**	1		
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Motor Controllers

Locally Mounted	100%			2035	**	5	\$100	
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FIRE DEPARTMENT - 057
ENGINE CO. 7/ LADDER CO. 1/ BATTALION 1
Asset # : 13006

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%	0-2	\$11,100	LIFE	**	5	\$300	
<i>Corroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Stand-by Power								
Transfer Switches Automatic	100%			2043	**	1	\$5,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : The Transfer Switch Is In Good Condition.</i>								
Lighting								
Interior Lighting Fluorescent	75%			2030	\$131,900	10	\$13,000	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement, 1st Floor, 2nd Floor, 3rd Floor</i>								
Fluorescent	20%			2035	**	10	\$3,500	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
HID	5%			2030	\$6,000	10		
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : HID Fixtures Are Installed In The Apparatus Room.</i>								
Egress Lighting								
Emergency, Battery	10%			2030	\$3,400	10	\$500	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
Exit, Service	80%			2030	\$7,000	1		
Exit, Battery	10%			2030	\$2,900	10	\$100	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
Exterior Lighting								
HID	50%			2030	\$47,200	10		
No Component	50%							
Alarm								
Fire/Smoke Detection								
No Component	50%							
Generic, Analog	50%	Now	\$13,100	2040	**	1-3	\$5,300	
<i>Devices Missing, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Local/Battery Operated Detect, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Floors</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

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FIRE DEPARTMENT - 057
ENGINE CO. 7/ LADDER CO. 1/ BATTALION 1
Asset # : 13006

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2050	**	1		
Conversion Equipment								
Steam Boiler	100%			2028	\$176,500	1	\$18,700	
Distribution								
Central Plant Steam Piping/Pmp	100%	0-2	\$11,400	2040	**	4	\$900	
<i>Leak Evident, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement</i>								
Terminal Devices								
Convactor/Radiator	100%			2035	**	1	\$6,100	
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		
Conversion Equipment								
Split Unit	10%			2030	\$48,100			
Window/Wall Unit	40%			2028	\$30,700	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st, 2nd And 3rd Floors</i>								
<i>Explanation : 30 Percent New, 70 Percent Old</i>								
No Component	50%							
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$24,600	
<i>Abandoned in Place, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
Heat Rejection								
No Component	90%							
No Component	10%							
Ventilation								
Exhaust Fans								
Roof	5%			2030	\$2,000	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Kitchen Exhaust</i>								
No Component	95%							
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2035	**	1		
Water Heater With Tanks								
Gas Fired	100%			2028	\$18,300	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 74 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 7/ LADDER CO. 1/ BATTALION 1
Asset # : 13006

Mechanical		Current Repair		Future Replacement		Maintenance		Priority	
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing									
	Storm Drain Piping Cast Iron	100%			LIFE	**	1		
<i>Corroded, Extent : Light, Area Affected : 10%</i>									
<i>Location : Basement</i>									
	Sump Pump(s) Non-Submersible	100%			2035	**	4	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : Duplex Unit</i>									
	Backflow Preventer No Component Generic	90%			2038	**	1	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Boiler Room</i>									
<i>Explanation : At Boiler Only</i>									
	Fixtures Generic	100%							
Fire Suppression									
	Chemical System Wet	2%			2025	\$1,700	1-3	\$1,700	
<i>Other Observation, Extent : Light, Area Affected : 2%</i>									
<i>Location : 1st Floor</i>									
<i>Explanation : Over Kitchen Hood</i>									
	No Component	98%							

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 70/ LADDER CO. 53
Address : 169 SCHOFIELD STREET
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.070 / 13058 **Yr Built/Renovated** : 1939 /
Area Sq Ft : 6,912 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Jul-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5642 **Lot** : 118 **BIN** : 2082474

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture		\$66,500
Interior Architecture	\$432,100	\$98,200
Electrical		\$52,800
Mechanical		\$86,700
Site Enclosure		\$53,600
Total	\$432,100	\$357,800
Importance Code A		\$66,500
Importance Code B	\$432,100	\$237,700
Importance Code C		\$53,600
Total	\$432,100	\$357,800

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$30,900		\$5,900	
Interior Architecture	\$82,400			\$800
Electrical	\$11,000	\$500	\$500	\$500
Mechanical	\$11,700	\$1,000	\$21,500	\$1,200
Site Enclosure	\$14,500			
Site Pavements	\$21,600			
Total	\$172,200	\$1,600	\$27,900	\$2,500
Importance Code A	\$31,600	\$700	\$6,600	\$700
Importance Code B	\$105,300	\$900	\$21,300	\$1,500
Importance Code C	\$35,300			\$400
Total	\$172,200	\$1,600	\$27,900	\$2,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 70/ LADDER CO. 53
Asset # : 13058

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Masonry: Brick	82%			LIFE	**	5	\$38,900		
Masonry: Granite	3%			LIFE	**	5	\$1,100		
Masonry: Limestone	5%			LIFE	**	5	\$1,800		
Wood Overhead Doors	10%			2031	\$66,500	5	\$11,900		
Windows									
Aluminum	100%	4+	\$4,900	2041	**	5	\$1,100		
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 40%</i>									
<i>Location : 2nd Floor Office</i>									
Roof									
Asphalt Shingle	100%			2042	**	10	\$2,000		
Soffits									
Wood	100%	4+	\$5,200	2038	**	5	\$6,000		
<i>Worn/Eroded, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Wood Soffits At Roof Overhang Due To Carpenter Bees</i>									
Interior									
Floors									
Cast in Place Concrete	50%	Now	\$432,100	LIFE	**	5	\$11,400		
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>									
<i>Location : Apparatus Room</i>									
<i>Explanation : Steel Columns In Basement Are Shoring Up Apparatus Room Floor</i>									
Ceramic Tile	5%	Now	\$2,900	2042	**	5	\$300		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Bathrooms</i>									
Terrazzo	10%	Now	\$47,500	LIFE	**	5	\$800		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Shower Stall Area And 2nd Floor Bathroom</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Shower Stall Area And 2nd Floor Bathroom</i>									
Vinyl Tile	35%	4+	\$2,000	2033	\$98,200	3	\$1,400		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>									
<i>Location : 2nd Floor Locker Room And Corridor</i>									
Interior Walls									
Cast in Place Concrete	23%			LIFE	**	10	\$8,200		
Ceramic Tile	5%			2042	**	5	\$700		
Marble Panels	2%			LIFE	**	10	\$100		
Plaster	45%			LIFE	**	5-10	\$5,500		
SGFT/Glazed Masonry	25%			LIFE	**	10	\$1,800		
Ceilings									
AcousTileSusp.Lay-In	5%	Now	\$2,500	2050	**	5	\$300		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i>									
<i>Location : 2nd Floor Office And Dining Room, 1st Floor Kitchen</i>									
Exposed Struc: Concrete	20%			LIFE	**	5-10	\$2,600		
Plaster	75%	4+	\$11,600	LIFE	**	5	\$4,900		
<i>Paint Peeling, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : Locker Room And Apparatus Room</i>									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 70/ LADDER CO. 53
Asset # : 13058

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Enclosure								
Fence/Gates								
Chain Link	50%			2043	**			
Wood	50%			2031	\$53,600			
Retaining Walls								
Cast in Place Concrete	100%	Now	\$14,500	2083	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At Entry To Alleyway</i>								
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 3 Foot High Retaining Wall Has Minor Vertical Cracks At Several Locations</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2038	**			
On-Site Walkways								
Cast in Place Concrete	100%			2038	**			
Parking/Driveway								
Cast in Place Concrete	100%	Now	\$21,600	2046	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Concrete Apron Entrance Into Fire House</i>								
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Concrete Driveway Apron Into Fire House</i>								
<i>Explanation : Uneven</i>								
Activity Yard								
Cast in Place Concrete	100%			2038	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2059	**	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Main Electrical Area</i>								
<i>Explanation : 200 Amperes Capacity</i>								
Raceway								
Conduit	100%			2043	**	1		
Panelboards								
Molded Case Bkrs	50%			2032	\$24,200	5	\$100	
Molded Case Bkrs	50%			2055	**	5	\$100	
Wiring								
Braided Cloth	30%	2-4	\$9,800	2058	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	20%			2043	**	1		
Thermoplastic	50%			2053	**	1		
Motor Controllers								
Locally Mounted	100%			2031	\$17,800	5		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 70/ LADDER CO. 53
Asset # : 13058

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches Automatic	100%			2050	**	1	\$2,100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Transfer Switch</i>						
Generators								
Diesel	100%			2046	**	1	\$2,700	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 75 Kilovolt Amperes</i>						
Batteries								
Not Accessible	100%							
Fuel Storage								
Day Tank	100%			2055	**	5		
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : 120 Gallons Day Capacity</i>						
Lighting								
Interior Lighting								
Fluorescent	10%			2028	\$5,900	10	\$600	
		<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
Fluorescent	80%			2033	\$46,900	10	\$5,100	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
LED	10%			2041	**			
Egress Lighting								
Emergency, Battery	50%			2033	\$5,700	10	\$800	
Exit, Battery	50%			2033	\$4,800	10	\$200	
Exterior Lighting								
Fluorescent	5%			2028	\$1,300	10		
		<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Exterior</i>						
LED	15%			2041	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2053	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 70/ LADDER CO. 53
Asset # : 13058

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Conversion Equipment Steam Boiler	100%			2038	**	1	\$6,900	
Distribution Steam Piping/Pump	100%			2043	**			
Terminal Devices Convactor/Radiator	100%			2038	**	1	\$2,200	
Air Conditioning								
Energy Source Electricity	100%			2049	**	1		
Conversion Equipment Window/Wall Unit	80%	0-2	\$2,000	2026	\$20,500	1		
	<i>Malfunctioning, Extent : Moderate, Area Affected : 30%</i>							
	<i>Location : Various. Three Window Air Condition Units Are Not Working</i>							
No Component	20%							
Plumbing								
H/C Water Piping Brass/Copper	100%			2033	\$86,700	1		
Water Heater With Tanks Gas Fired	100%			2028	\$33,400	2		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Two 74 Gallon Units</i>							
Sanitary Piping Cast Iron	100%	Now	\$8,500	LIFE	**	1		
	<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : 2nd Floor Toilet Backing Up</i>							
	<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : 2nd Floor Showers Leak Over Kitchen</i>							
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Fixtures Generic	100%							
	<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Bathrooms</i>							
Fire Suppression								
Chemical System No Component	98%							
Generic	2%			2028	\$1,900	1-3	\$1,900	
	<i>Other Observation, Extent : Light, Area Affected : 5%</i>							
	<i>Location : Kitchen</i>							
	<i>Explanation : Kitchen Fire Suppression System Covers 24 Square Feet</i>							

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 71/ LADDER CO. 55/ DIVISION 6
Address : 720 MELROSE AVE.
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.071 / 13059 **Yr Built/Renovated** : 1975 / 1988
Area Sq Ft : 11,651 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-Oct-2019 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2377 **Lot** : 1 **BIN** : 2001400

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$266,700	\$180,200
Electrical		\$95,900
Mechanical	\$79,700	\$120,900
Total	\$346,400	\$397,000
Importance Code A	\$266,700	\$301,100
Importance Code B	\$79,700	\$95,900
Total	\$346,400	\$397,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$73,600			
Interior Architecture	\$79,800		\$700	\$1,000
Electrical	\$4,000	\$800	\$1,100	\$800
Mechanical	\$41,600	\$6,300	\$48,600	\$6,600
Site Enclosure	\$2,600			
Site Pavements	\$7,000			
Total	\$208,500	\$7,200	\$50,400	\$8,400
Importance Code A	\$97,700	\$600	\$700	\$600
Importance Code B	\$63,400	\$6,600	\$49,700	\$7,800
Importance Code C	\$47,400			
Total	\$208,500	\$7,200	\$50,400	\$8,400



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FIRE DEPARTMENT - 057
ENGINE CO. 71/ LADDER CO. 55/ DIVISION 6
Asset # : 13059

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick Cavity	10%	2-4	\$14,900	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : At Sides Of Overhead Doors And Side Facade</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : All Facades</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Sides Of Overhead Doors And Side Facade</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Window Openings Throughout</i>								
Masonry: Brick Cavity	80%	4+	\$59,800	LIFE	**	5	\$14,100	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Perimeter Walls</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Perimeter Walls</i>								
Wood Overhead Doors	10%	Now	\$49,200	2051	**	5	\$4,400	
<i>Deteriorated Finish, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Apparatus Doors</i>								
<i>Loose/Miss Fasteners, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Apparatus Doors</i>								
<i>Other Observation, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Apparatus Doors</i>								
<i>Explanation : Repair Evident, Constant Repairs</i>								
Windows								
Aluminum	95%	Now	\$192,000	2056	**	5	\$2,100	
<i>Condensation Present, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : House Watch Window</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 80%</i>								
<i>Location : On Sawtooth Section</i>								
Metal Louvers	5%			2034	**	10	\$1,400	
Parapets								
Masonry: Brick Cavity	30%			LIFE	**	5	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Parapet Walls</i>								
<i>Explanation : Covered With Roofing</i>								
Metal Panel	70%	0-2	\$5,700	2041	**	5	\$2,800	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Metal Coping Caulk Joints Failing Throughout</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 71/ LADDER CO. 55/ DIVISION 6
Asset # : 13059

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Roof								
Asphalt Shingle Built-Up (BUR)	5%			2034	**	10	\$200	
	70%	0-2	\$9,000	2031	\$180,200			
<i>Debris on Roof, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Grvl/Blst Miss/Disp, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Center Section Of Flat Roof</i>								
Metal Panel	25%	0-2	\$8,000	2036	**			
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Cap Joints At Metal Panels</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 1st Floor Open Area</i>								
Soffits								
Stucco Cement	100%			2044	**	5		
Interior								
Floors								
Cast in Place Concrete	25%			LIFE	**	5	\$9,500	
Cast in Place Concrete	20%	Now	\$5,800	LIFE	**	5	\$7,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Cellar And Concrete Threshold Of Overhead Door</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Communications Room In Cellar And Apparatus Room</i>								
<i>Other Observation, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Due To Ground Water Backup Through Floor Drains</i>								
<i>Explanation : Water Damage In Basement, Damage To Base Of Door And Frame</i>								
Ceramic Tile	1%			2034	**	5	\$200	
Ceramic Tile	4%			2044	**	5	\$700	
<i>Recent Installation, Extent : N/A, Area Affected : 75%</i>								
<i>Location : Toilet Rooms</i>								
Sheet Vinyl/Rubber Vinyl Tile	5%			2036	**	5	\$1,300	
	45%			2036	**	3	\$3,900	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Vinyl Tiles</i>								
<i>Explanation : Reports Of Difficult To Clean</i>								
Interior Walls								
Ceramic Tile	1%			2034	**	5	\$200	
Ceramic Tile	4%			2044	**	5	\$900	
<i>Recent Construction, Extent : N/A, Area Affected : 40%</i>								
<i>Location : Toilet Rooms</i>								
Concrete Masonry Unit	35%	Now	\$37,200	LIFE	**	5	\$3,200	
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement Walls And Ground Water Penetration</i>								
Gypsum Board	30%			LIFE	**	5	\$4,200	
SGFT/Glazed Masonry	30%			LIFE	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 71/ LADDER CO. 55/ DIVISION 6
Asset # : 13059

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	15%	4+	\$900	2044	**	5	\$1,300	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Room 113</i>								
AcousTileSusp.Lay-In	25%			2048	**	5	\$4,400	
<i>Recent Installation, Extent : N/A, Area Affected : 5%</i>								
<i>Location : 2nd Floor</i>								
Exposed Struc: Steel	40%	Now	\$32,700	LIFE	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Apparatus Room</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Metal Decking</i>								
Gypsum Board	20%	4+	\$1,200	LIFE	**	5	\$4,400	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Mens Locker Room</i>								
Site Enclosure								
Fence/Gates								
Aluminum Picket	50%	Now	\$2,600	2051	**			
<i>Other Observation, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Fence Curb</i>								
<i>Explanation : Concrete Curb Cracking And Crumbling</i>								
Chain Link	50%			2051	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			
Parking/Driveway								
Asphalt	100%	Now	\$7,000	2040	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Parking Lot</i>								
<i>Ponding, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Parking Lot</i>								
<i>Sinking/Subsiding, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Parking Lot</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

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FIRE DEPARTMENT - 057
ENGINE CO. 71/ LADDER CO. 55/ DIVISION 6
Asset # : 13059

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2041	**	5	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
		<i>Explanation : Main Service Disconnect Switch Rated At 600 Amperes.</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2041	**	5	\$300	
Raceway								
Conduit	100%			2041	**	1		
Panelboards								
Fused Disc Sw	2%			2039	**	5		
Molded Case Bkrs	88%			2039	**	5	\$300	
Molded Case Bkrs	10%			2030	\$4,800	5		
Wiring								
Thermoplastic	100%			2041	**	1		
Motor Controllers								
Locally Mounted	100%			2029	\$17,800	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	**	1	\$3,600	
Generators								
Diesel	100%			2034	**	1	\$4,500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Emergency Generator Rated At 50 Kilowatts</i>						
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$400	
Fuel Storage								
Day Tank	5%			2039	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Generator Room</i>						
		<i>Explanation : 25 Gallons Rated Capacity</i>						
Main Tank	95%			2046	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Underground</i>						
		<i>Explanation : 600 Gallons Rated Capacity</i>						
Lighting								

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FIRE DEPARTMENT - 057
ENGINE CO. 71/ LADDER CO. 55/ DIVISION 6
Asset # : 13059

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting								
Fluorescent	95%			2031	\$93,900	10	\$10,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	2%			2031	\$2,000	10	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Hallways</i>								
<i>Explanation : Compact Fluorescent Lamps</i>								
Fluorescent	1%	Now	\$400	2041	**			
<i>Malfunctioning, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
LED	2%			2039	**			
Egress Lighting								
Emergency, Service	50%			2031	\$3,500	1		
Exit, Service	50%			2031	\$2,500	1		
Exterior Lighting								
HID	20%			2031	\$10,600	10		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2041	**	1		
Conversion Equipment								
Hot Water Boiler	100%	0-2	\$24,200	2029	\$120,900	1	\$5,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Replacement Is Recommended Due To Frequent Breakdown And Age Of The Boiler</i>								
<i>Explanation : 3 Units</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2039	**	4	\$600	
Terminal Devices								
Convactor/Radiator	50%			2029	\$46,500	1	\$1,900	
Unit Heater - Steam	50%	0-2	\$3,200	2026	\$32,300	4	\$500	
<i>Unit Inoperable, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Unit Heater In Apparatus Room Not Workng</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Window/Wall Unit	60%			2029	\$25,900	1		
No Component	40%							

Ventilation

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FIRE DEPARTMENT - 057
ENGINE CO. 71/ LADDER CO. 55/ DIVISION 6
Asset # : 13059

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$3,200	
No Component	50%							
Exhaust Fans								
Roof	50%	0-2	\$2,200	2031	\$11,000	2	\$100	
<i>Malfunctioning, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : One Roof Exhaust Fan</i>								
Wall Unit	50%			2031	\$2,500	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%	Now	\$2,900	2041	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Water Main Valve, Basement</i>								
Water Heater With Tanks								
Gas Fired	100%			2029	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 74 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%	Now	\$2,900	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement At Melrose Avenue Side. Frequent Sewer Backup. Drainage Problem At The Apparatus Room</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%	0-2	\$500	2031	\$2,300	4	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Unit Malfunctioning</i>								
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	85%							
Generic	15%			2031	\$23,600	1-2	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement And 2nd Floor</i>								
<i>Explanation : Serves Partial Basement And 2nd Floor Corridor</i>								
Chemical System								
Wet	100%			2026	\$79,700	1-3	\$83,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Serves Cooking Area</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 72
Address : 3929 EAST TREMONT AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.072 / 13060 **Yr Built/Renovated** : 1972 /
Area Sq Ft : 7,574 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Jul-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5443 **Lot** : 170 **BIN** : 2077258

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$803,300	\$129,900
Interior Architecture		\$685,000
Site Pavements	\$53,100	
Total	\$856,400	\$815,000
Importance Code A	\$803,300	\$129,900
Importance Code B	\$53,100	\$685,000
Total	\$856,400	\$815,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$64,800		\$1,600	
Interior Architecture	\$56,600		\$600	\$900
Electrical	\$800	\$500	\$3,000	\$500
Mechanical	\$30,400	\$900	\$1,700	\$600
Site Enclosure	\$5,900			
Site Pavements	\$31,900			\$100
Total	\$190,400	\$1,400	\$7,000	\$2,100
Importance Code A	\$68,700	\$400	\$2,000	\$400
Importance Code B	\$75,800	\$1,000	\$5,000	\$1,300
Importance Code C	\$45,800			\$500
Total	\$190,400	\$1,400	\$7,000	\$2,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 72
Asset # : 13060

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	10%			LIFE	**	5	\$20,800	
Masonry: Brick	80%	Now	\$803,300	LIFE	**	5	\$16,600	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Throughout</i>								
<i>Loose Units, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Throughout All Facades</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Rear Facade</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Metal Sect. OHD	5%			2046	**	5	\$3,300	
Window Wall	5%	4+	\$600	2043	**	5	\$2,000	
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Inner Courtyard</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Inner Courtyard</i>								
<i>Explanation : Storefront Glazing Assembly</i>								
Windows								
Aluminum	100%	Now	\$27,800	2041	**	5	\$1,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Screens Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 1st Floor Side And Rear, 2nd Floor Dormitory And Court</i>								
Parapets								
Metal Panel	60%			2043	**	5	\$7,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Roof</i>								
<i>Explanation : Metal Coping</i>								
Metal Rail	40%			2038	**	5-10	\$23,100	
Roof								
Modified Bitumen	95%	0-2	\$26,000	2033			\$129,900	
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Main Roof</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Main Roof</i>								
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
Skylight, Plastic	5%			2038	**	1		
Soffits								
Stucco Cement	100%			2046	**	5		
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 72
Asset # : 13060

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	60%	Now	\$30,000	LIFE	**	5	\$15,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Apparatus Floor Entrance</i>								
<i>Uneven Substrate, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Apparatus Floor Entrance</i>								
Ceramic Tile	2%			2046	**	5	\$200	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 2nd Floor Bathroom</i>								
Mosaic Tile	3%	Now	\$1,700	2038	**	5	\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Main Bathroom</i>								
Quarry Tile	2%			2046	**	5	\$400	
Vinyl Tile 9" X 9"	33%			2033		3	\$2,000	
Interior Walls								
Cast in Place Concrete	10%	4+	\$5,800	LIFE	**			
<i>Water Penetration, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Front Of Cellar</i>								
Ceramic Tile	5%			2042	**	5	\$800	
Concrete Masonry Unit	60%			LIFE	**	5	\$7,500	
Gypsum Board	5%			LIFE	**	5-10	\$1,300	
SGFT/Glazed Masonry	20%			LIFE	**	10	\$1,600	
Ceilings								
AcousTileSusp.Lay-In	5%			2031		5	\$600	
Exposed Struc: Concrete	70%			LIFE	**	5-10	\$10,500	
Plaster	25%			LIFE	**	5-10	\$5,200	
Site Enclosure								
Fence/Gates								
Cast in Place Concrete	20%	Now	\$2,100	2053	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East Side Of Building</i>								
Chain Link	65%			2043	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Wood	15%			2031			\$19,300	
Free Standing Walls								
Concrete Masonry Unit	100%			2053	**			
Retaining Walls								
Cast in Place Concrete	100%	4+	\$3,900	2068	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Cross Bronx Expressway</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$53,100	2038	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Cross Bronx Expressway, East Tremont Avenue</i>								

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Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 72
Asset # : 13060

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Site Pavements								
On-Site Walkways								
Asphalt	25%			2036	**			
Cast in Place Concrete	25%	Now	\$300	2046	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North Side Of Building</i>								
Pavers/Stone	5%			2042	**			
Wood	45%	2-4	\$10,900	2033	\$10,900	1-3	\$500	
<i>Rotting/Splitting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Rear Yard</i>								
Parking/Driveway								
Asphalt	100%	Now	\$20,700	2042	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Parking Lot Area</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2043	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amperes</i>								
Raceway								
Conduit	100%			2043	**	1		
Panelboards								
Molded Case Bkrs	100%			2041	**	5	\$200	
Wiring								
Thermoplastic	100%			2043	**	1		
Motor Controllers								
Locally Mounted	100%			2038	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2038	**	1	\$2,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 Amperes 3 Pole</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 72
Asset # : 13060

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Generators								
Diesel	100%			2036	**	1	\$2,900	
<i>Enclosure Corroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Backyard</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Backyard</i>								
<i>Explanation : 40 Kilowatt, 50 Kilovolt Amperes 3 Phase</i>								
Batteries								
Lead/Acid	100%			2026	\$2,400	5	\$300	
Fuel Storage								
Day Tank	100%			2041	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Under Enclosure Backyard</i>								
<i>Explanation : 50 Gallons Diesel Fuel</i>								
Lighting								
Interior Lighting								
Fluorescent	10%			2038	**	10	\$700	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floor</i>								
LED	90%			2041	**			
Egress Lighting								
Emergency, Service	50%			2033	\$2,300	1		
Exit, Service	50%			2033	\$1,600	1		
Exterior Lighting								
LED	20%			2041	**			
No Component	80%							
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Hot Water Boiler	100%	Now	\$3,900	2046	**	1	\$3,400	
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Basement</i>								
<i>Explanation : Slight Drip From Pressure Relief Valve</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2041	**	4	\$600	
Terminal Devices								
Convactor/Radiator	90%			2038	**	1	\$2,200	
Unit Heater - Hot Water	10%			2033	\$4,400			
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 72
Asset # : 13060

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Interior Pkg Unit - Cooling	10%			2031	\$11,700	2	
	Exterior Pkg Unit - Cooling	20%	Now	\$16,200	2043	* *	2	\$100
<i>Abandoned in Place, Extent : Light, Area Affected : 30%</i>								
<i>Location : 1 Unit On Roof</i>								
	Split Unit	20%	0-2	\$3,500	2028	\$35,100		
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Unit Is Not Reliable</i>								
	Window/Wall Unit	40%	0-2	\$2,200	2028	\$11,200	1	
<i>Malfunctioning, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Various Locations. Three Units Are Not Working</i>								
	No Component	10%						
Distribution								
	Ductwork/Diffusers	20%			LIFE	* *	2	\$2,500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Serves Bunk Room</i>								
	No Component	80%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$6,700
Exhaust Fans								
	Roof	100%			2038	* *	2	\$200
<i>Malfunctioning, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Kitchen Hood Too Small</i>								
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2043	* *	1	
Water Heater With Tanks								
	Gas Fired	100%			2028	\$16,700	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallon Unit</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Waste Line At Basement Is Not Properly Picked To Allow Easy Flow To The Sewer</i>								
Storm Drain Piping								
	Cast Iron	100%	Now	\$1,300	LIFE	* *	1	
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Sewer Connection</i>								
Sump Pump(s)								
	Non-Submersible	100%			2033	\$1,500	4	\$200

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 72
Asset # : 13060

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost	Priority
	Type	Total	(Years)		FY		(Yrs)		
Plumbing									
	Backflow Preventer								
	No Component	95%							
	Generic	5%			2038	**	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
		<i>Location : Basement</i>							
		<i>Explanation : Serves Boiler Only</i>							
<hr/>									
	Fixtures								
	Generic	100%							
<hr/>									

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 73/ LADDER CO. 42
Address : 655 PROSPECT AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.073 / 13061 **Yr Built/Renovated** : 1900 / 2001
Area Sq Ft : 15,170 **Project Type** : FIRE DEPARTMENT
Date of Survey : 08-Feb-2019 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2675 **Lot** : 33 **BIN** : 2094318

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$94,700	\$27,100
Mechanical	\$134,400	\$73,500
Total	\$229,200	\$100,500
Importance Code A	\$94,700	\$27,100
Importance Code B	\$134,400	\$73,500
Total	\$229,200	\$100,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$88,900		\$1,800	
Interior Architecture	\$60,200	\$6,400		\$5,500
Electrical	\$1,100	\$13,700	\$1,400	\$1,100
Mechanical	\$24,000	\$26,200	\$3,300	\$1,400
Site Enclosure	\$1,600			
Site Pavements	\$20,500			
Total	\$196,300	\$46,200	\$6,400	\$8,100
Importance Code A	\$89,700	\$23,800	\$2,500	\$800
Importance Code B	\$54,400	\$22,400	\$3,900	\$7,300
Importance Code C	\$52,200			
Total	\$196,300	\$46,200	\$6,400	\$8,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 73/ LADDER CO. 42
Asset # : 13061

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$40,400	LIFE	**	5	\$25,100	
<i>Expansion Joint Failure, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Between E73 And L42</i>								
Masonry: Granite	5%	Now	\$12,900	LIFE	**	5	\$1,300	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Front Facade.</i>								
Masonry: Limestone	10%			LIFE	**	5	\$2,500	
Metal Sect. OHD	10%	Now	\$35,600	2043	**	5	\$5,200	
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Area</i>								
<i>Explanation : Constantly Breaks Down</i>								
Windows								
Aluminum	100%			2046	**	5	\$3,500	
Parapets								
Masonry: Brick	90%			LIFE	**	5	\$2,800	
Masonry: Limestone	10%			LIFE	**	5	\$400	
<i>Loose Units, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : At Roof Ladder</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Parapet</i>								
<i>Explanation : Roof Ladder Causing Damage To Coping Stone</i>								
Roof								
Asphalt Shingle	10%			2039	**	10	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Addition Behind Building</i>								
<i>Explanation : Additional Storage Building On Property</i>								
Modified Bitumen	70%	Now	\$94,700	2040	**			
<i>Drains Clogged, Extent : Light, Area Affected : 2%</i>								
<i>Location : Both Roof Drains Need To Be Cleaned.</i>								
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Upper And Lower Roof</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Upper Roof At HVAC Curb</i>								
Modified Bitumen	20%			2030		10	\$2,500	
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 73/ LADDER CO. 42
Asset # : 13061

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$19,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Gymnasium</i>								
Ceramic Tile	10%			2039	**	5	\$2,300	
Quarry Tile	5%			2043	**	5	\$1,700	
<i>Worn/Eroded, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	15%	Now	\$27,600	2040	**	3	\$1,300	
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Wood	30%			2065	**	5	\$12,800	
<i>Deteriorated Finish, Extent : Light, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2039	**	5	\$1,300	
Gypsum Board	25%	Now	\$1,800	LIFE	**	5	\$4,000	
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Second Floor Locker Room</i>								
Masonry: Brick	25%	Now	\$25,100	LIFE	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>								
<i>Location : Basement, Truck Side Under Sidewalk.</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 2%</i>								
<i>Location : Basement Gymnasium, Truck Side.</i>								
Plaster	20%	4+	\$2,600	LIFE	**	5	\$1,600	
<i>Worn/Eroded, Extent : Light, Area Affected : 5%</i>								
<i>Location : 3rd Floor Stair.</i>								
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	45%			2047	**	5	\$10,200	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Various Locations Throughout</i>								
Exposed Struc: Steel	25%			LIFE	**			
Gypsum Board	20%			LIFE	**	5	\$5,700	
Plaster	10%	4+	\$1,300	LIFE	**	5	\$1,400	
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Engine Side Common Room</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$1,600	2056	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Of Property</i>								
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Rear Of Building</i>								
<i>Explanation : Fence Has Been Vandalized</i>								
Site Pavements								

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FIRE DEPARTMENT - 057
ENGINE CO. 73/ LADDER CO. 42
Asset # : 13061

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2043	**			
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Parking/Driveway

Cast in Place Concrete	100%	Now	\$20,500	2043	**			
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*Cracking/Crumbling, Extent : Severe, Area Affected : 10%**Location : Front Apron**Other Observation, Extent : Severe, Area Affected : 25%**Location : Front Apron**Explanation : Apron And Street Sinking. Allowing Vehicle To Hit Sidewalk*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	80%			2050	**	5	\$100	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 400 Ampere Main Disconnect Switch*

Fused Disc Sw	20%			2050	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 400 Ampere Main Disconnect Switch For Emergency*

Switchgear / Switchboard

Fused Disc Sw	100%			2050	**	5	\$100	
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Raceway

Conduit	100%			2050	**	1		
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Panelboards

Fused Disc Sw	5%			2046	**	5		
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Molded Case Bkrs	95%			2046	**	5	\$400	
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Wiring

Thermoplastic	100%			2050	**	1		
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Motor Controllers

Locally Mounted	100%			2043	**	5	\$100	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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Stand-by Power

Transfer Switches

Automatic	100%			2047	**	1	\$4,700	
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Generators

Diesel	100%			2043	**	1	\$5,900	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside The Building**Explanation : One 100 Kilowatts*

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FIRE DEPARTMENT - 057
ENGINE CO. 73/ LADDER CO. 42
Asset # : 13061

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Batteries								
Lead/Acid	100%			2025	\$2,400	5	\$600	
Fuel Storage								
Day Tank	50%			2052	**	5		
Main Tank	50%			2058	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 550 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent	70%			2035	**	10	\$9,700	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
LED	30%			2040	**			
Egress Lighting								
Emergency, Service	40%			2035	**	1		
Emergency, Service	20%			2040	**	1		
Exit, Service	40%			2035	**	1		
Exterior Lighting								
HID	100%			2035	**	10		
Alarm								
Fire/Smoke Detection								
No Component	90%							
Generic, Digital	10%			2035	**	1-3	\$900	

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2040	**	1		
Conversion Equipment								
Furnace	50%			2025	\$23,000	1	\$3,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 6 Gas Fired Heating And Cooling Units. See Air Conditioning Section For Notes</i>								
Hot Water Boiler	50%			2035	**	1	\$3,800	
Distribution								
Hot Wtr Piping/Pump	50%			2038	**	4	\$400	
No Component	50%							
Terminal Devices								
Convactor/Radiator	30%			2035	**	1	\$1,500	
Fan Coil Unit/Heat	20%			2030	\$73,500	1	\$1,000	
No Component	50%							

Air Conditioning

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FIRE DEPARTMENT - 057
ENGINE CO. 73/ LADDER CO. 42
Asset # : 13061

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	90%	2-4	\$134,400	2040	**	2	\$700	
			<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 6 Units, Roof</i>					
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Roof</i>					
			<i>Explanation : Units Past Useful Life. Prone To Failures, Requires Frequent Repair.</i>					
Split Unit	10%	0-2	\$3,500	2035	**			
			<i>Not in Service, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Gymnasium</i>					
			<i>Other Observation, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Basement Gymnasium</i>					
			<i>Explanation : 1 Unit, R-410a</i>					
Ventilation								
Distribution								
Ductwork/Diffusers	100%	0-2	\$13,000	LIFE	**	2-5	\$8,500	
			<i>Unbalanced System, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Kitchen And 1st Floor TV Waiting Room</i>					
			<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Roof</i>					
			<i>Explanation : Rain Gets Into The Ductwork From Air Intakes Of Rooftop Units.</i>					
Exhaust Fans								
Roof	100%	0-2	\$1,400	2030	\$28,700	2	\$400	
			<i>Not in Service, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Kitchen Exhaust</i>					
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2050	**	1		
Water Heater With Tanks								
Gas Fired	100%			2028	\$16,700	2		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Two 75 Gallon Units</i>					
Sanitary Piping								
Cast Iron	100%	0-2	\$3,700	LIFE	**	1		
			<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : 2nd Floor Restroom And The Parking Lot</i>					
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2024	\$500	4	\$500	
Fixtures								
Generic	100%							

Fire Suppression

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FIRE DEPARTMENT - 057
ENGINE CO. 73/ LADDER CO. 42
Asset # : 13061

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Fire Suppression	Sprinkler								
	Generic	100%			2040	* *	1-2	\$4,200	
	Chemical System								
	No Component	98%							
	Generic	2%			2025	\$1,600	1-3	\$1,500	

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 74
Address : 120 WEST 83rd STREET BTWN COLUMBUS AV - AMSTERDAM AV
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.074 / 13062 **Yr Built/Renovated** : 1888 / 2011
Area Sq Ft : 6,003 **Project Type** : FIRE DEPARTMENT
Date of Survey : 19-May-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3,4
Block : 1213 **Lot** : 41 **BIN** : 1032079

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture		\$132,200
Electrical		\$63,500
Mechanical		\$75,300
Total		\$271,000
Importance Code B		\$271,000
Total		\$271,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$12,300	\$4,500		
Interior Architecture	\$37,600	\$2,200	\$1,300	\$900
Electrical			\$100	\$100
Mechanical	\$6,700	\$1,900	\$2,000	\$3,500
Site Enclosure	\$5,600			
Site Pavements	\$400			
Total	\$62,600	\$8,600	\$3,400	\$4,500
Importance Code A	\$12,900	\$5,100	\$600	\$600
Importance Code B	\$37,500	\$3,600	\$1,700	\$3,900
Importance Code C	\$12,200		\$1,100	
Total	\$62,600	\$8,600	\$3,400	\$4,500



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 74
Asset # : 13062

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	2%			2042	**	10	\$200	
Masonry: Brick	78%			LIFE	**	5	\$22,300	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : North Facade</i>								
Masonry: Brownstone	10%			LIFE	**	5	\$2,100	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North Facade</i>								
Metal Sect. OHD	10%			2045	**	5	\$8,900	
Windows								
Aluminum	100%	Now	\$9,500	2048	**	5	\$500	
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	45%			LIFE	**	5	\$300	
Metal Cornice	10%			2060	**	10	\$200	
Not Accessible	45%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Interior Perimeter Covered With Roofing</i>								
Roof								
Asphalt Shingle	10%	Now	\$100	2041	**			
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Patching Evident, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Modified Bitumen	90%	4+	\$2,600	2037	**			
<i>Blisters, Extent : Severe, Area Affected : 2%</i>								
<i>Location : At Roof Egress Door</i>								

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 74
Asset # : 13062

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	25%	Now	\$17,000	LIFE	**	5	\$4,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout Basement, Apparatus Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Basement</i>								
<i>Explanation : Steel Columns Support Apparatus Floor Above</i>								
Ceramic Tile	5%			2041	**	5	\$400	
Quarry Tile	5%	0-2	\$2,900	2045	**	5	\$300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Sheet Vinyl/Rubber Vinyl Tile	5%			2032		5	\$600	
	60%	Now	\$2,600	2032	\$132,200	3	\$1,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Uneven Substrate, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	20%			2041	**	5	\$2,200	
Gypsum Board	5%			LIFE	**	5	\$300	
Masonry: Brick	10%	Now	\$4,200	LIFE	**			
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	55%			LIFE	**	5	\$1,900	
Plywood/Hardboard	5%			LIFE	**			
<i>Worn/Eroded, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	5%	Now	\$2,500	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Equipment Bay</i>								
Ceilings								
AcousTileSusp.Lay-In	55%			2045	**	5	\$4,500	
Embossed Metal	20%	0-2	\$8,400	LIFE	**	5	\$700	
<i>Deformed/Dented, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1st Floor</i>								
Plaster	25%			LIFE	**	5	\$1,300	
Site Enclosure								

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FIRE DEPARTMENT - 057
ENGINE CO. 74
Asset # : 13062

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Enclosure

Fence/Gates

Chain Link

100%	2-4	\$5,600	2042	**
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*Corrosion/Rusting, Extent : Moderate, Area Affected : 100%**Location : Throughout*

Free Standing Walls

Masonry: Brick

100%			2052	**
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Site Pavements

Public Sidewalk

Cast in Place Concrete

100%	4+	\$400	2045	**
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*Cracking/Crumbling, Extent : Light, Area Affected : 10%**Location : Throughout*

Parking/Driveway

Cast in Place Concrete

100%			2045	**
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Activity Yard

Cast in Place Concrete

100%			2045	**
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*Cracking/Crumbling, Extent : Light, Area Affected : 5%**Location : Rear Yard*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw

100%			2032	\$14,700	5
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 200 Ampere Main Disconnect Switch*

Switchgear / Switchboard

Molded Case Bkrs

100%			2032	\$63,500	5	\$200
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Raceway

Conduit

90%			2032	\$32,400	1
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Conduit

10%			2052	**	1
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Panelboards

Fused Disc Sw

5%			2031	\$2,400	5
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Molded Case Bkrs

60%			2031	\$29,100	5	\$100
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Molded Case Bkrs

35%			2048	**	5	\$100
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Wiring

Thermoplastic

60%			2032	\$19,500	1
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Thermoplastic

40%			2052	**	1
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Motor Controllers

Locally Mounted

100%			2030	\$17,800	5
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Ground

Grounding Devices

Generic

100%			LIFE	**	5	\$100
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Lighting

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FIRE DEPARTMENT - 057
ENGINE CO. 74
Asset # : 13062

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Interior Lighting								
LED	100%			2037	**			
Exterior Lighting								
LED	20%			2037	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source								
Natural Gas	100%			2052	**	1		
Conversion Equipment								
Steam Boiler	100%			2045	**	1	\$5,900	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One Unit</i>						
Distribution								
Central Plant Steam Piping/Pmp	100%			2042	**	4	\$300	
Terminal Devices								
Convactor/Radiator	100%			2037	**	1	\$1,900	

Air Conditioning

Energy Source								
Electricity	100%			2048	**	1		
Conversion Equipment								
Split Unit	30%			2037	**			
Window/Wall Unit	50%			2030	\$11,100	1		
No Component	20%							

Plumbing

H/C Water Piping								
Brass/Copper	100%			2032	\$75,300	1		
		<i>Not Insulated, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>No Water Meter, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
Water Heater With Tanks								
Gas Fired	100%			2030	\$16,700	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two 74 Gallon Units</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 74
Asset # : 13062

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Storm Drain Piping Cast Iron	100%	Now	\$2,100	LIFE	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Rear Yard</i>								
<i>Explanation : Backs Up When It Rains Hard</i>								
Sump Pump(s) Non-Submersible	100%	Now	\$1,200	2042	**	4	\$100	
<i>Malfunctioning, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement. Sump Pump Not Working</i>								
<i>On Extended Life, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Pits With Pumps</i>								
Backflow Preventer No Component Generic	95%			2037	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								
Fire Suppression								
Sprinkler No Component Generic	97%			2052	**	1-2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Model Kp 275 For Kitchen Hood</i>								
Chemical System Wet	10%			2030	\$8,000	1-3	\$9,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Model Kp 275 For Kitchen Hood</i>								
No Component Generic	80%			2030	\$8,000	1-3	\$8,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 75/ LADDER CO. 33 /BATTALION 19
Address : 2175 WALTON AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.075 / 13063 **Yr Built/Renovated** : 2000 / 2011
Area Sq Ft : 12,541 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Feb-2019 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3186 **Lot** : 37 **BIN** : 2000000

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Electrical		\$99,500
Total		\$99,500
Importance Code B		\$99,500
Total		\$99,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$8,800	\$12,400	\$1,000	
Interior Architecture	\$78,000		\$900	
Electrical	\$4,400	\$10,800	\$1,600	\$1,800
Mechanical	\$1,200	\$6,800	\$2,000	\$1,200
Total	\$92,500	\$30,000	\$5,500	\$3,000
Importance Code A	\$9,500	\$16,900	\$1,600	\$600
Importance Code B	\$65,300	\$13,100	\$3,900	\$2,400
Importance Code C	\$17,700			
Total	\$92,500	\$30,000	\$5,500	\$3,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 75/ LADDER CO. 33 /BATTALION 19
Asset # : 13063

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Concrete Masonry Unit	85%			LIFE	**	5	\$12,500		
Metal Sect. OHD	10%			2043	**	5	\$7,300		
Pre-Cast Concrete	5%			LIFE	**	5	\$3,800		
Windows									
Aluminum	95%			2046	**	5	\$2,000		
Glass Block	5%			LIFE	**	5	\$100		
Parapets									
Concrete Masonry Unit	85%			LIFE	**	5	\$6,100		
Pre-Cast Concrete	15%			LIFE	**	5	\$6,000		
Roof									
Modified Bitumen	75%			2035	**	10	\$12,400		
Modified Bitumen	5%	Now	\$8,800	2040	**				
<i>Alligatoring, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Lower Roof</i>									
Panel/Paver: Cer/Brk	20%			2050	**	10	\$4,400		
Soffits									
Exposed Struc: Steel	100%			LIFE	**	5			
Interior									
Floors									
Cast in Place Concrete	40%	Now	\$12,500	LIFE	**	5	\$16,400		
<i>Horizontal Cracks, Extent : Light, Area Affected : 20%</i>									
<i>Location : Basement And Apparatus Floor.</i>									
Ceramic Tile	15%			2039	**	5	\$2,800		
Quarry Tile	5%	Now	\$13,500	2043	**	5	\$700		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : Kitchen</i>									
<i>Uneven Substrate, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Kitchen</i>									
Vinyl Tile	40%			2035	**	3	\$2,800		
Interior Walls									
Ceramic Tile	15%			2039	**	5	\$2,900		
Concrete Masonry Unit	45%	Now	\$16,200	LIFE	**	5	\$3,500		
<i>Vertical Cracks, Extent : Light, Area Affected : 5%</i>									
<i>Location : Various Locations on Apparatus Floor.</i>									
<i>Other Observation, Extent : Light, Area Affected : 10%</i>									
<i>Location : North And East Walls Of Apparatus Floors, Stair Bulkhead.</i>									
<i>Explanation : Paint Peeling.</i>									
Gypsum Board	40%			LIFE	**	5	\$4,700		
Ceilings									
AcousTileSusp.Lay-In	45%	Now	\$2,700	2043	**	5	\$4,200		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>									
<i>Location : 2nd Floor Laundry Room.</i>									
Exposed Struc: Concrete	55%	Now	\$30,200	LIFE	**	5	\$1,600		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 4%</i>									
<i>Location : Roof Stair Bulkhead And Basement Below Kitchen</i>									

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 75/ LADDER CO. 33 /BATTALION 19
Asset # : 13063

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Site Enclosure								
Fence/Gates								
Chain Link	50%			2050	**			
Iron Picket	50%			2065	**			
Free Standing Walls								
Concrete Masonry Unit	100%			2050	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2043	**			
On-Site Walkways								
Cast in Place Concrete	100%			2043	**			
Parking/Driveway								
Asphalt	80%			2039	**			
Cast in Place Concrete	20%			2043	**			
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2040	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 600 Amperes.</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2040	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : One Vertical Section</i>								
Raceway								
Conduit	100%			2040	**	1		
Panelboards								
Molded Case Bkrs	100%			2038	**	5	\$300	
Wiring								
Thermoplastic	100%			2040	**	1		
Motor Controllers								
Locally Mounted	100%			2035	**	5	\$100	
Ground								
Grounding Devices								
Not Accessible	100%							
Stand-by Power								
Transfer Switches								
Automatic	100%			2035	**	1	\$3,900	

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FIRE DEPARTMENT - 057
ENGINE CO. 75/ LADDER CO. 33 /BATTALION 19
Asset # : 13063

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Stand-by Power								
Generators								
Diesel	100%			2033	\$99,500	1	\$4,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Yard</i>								
<i>Explanation : No Available Nameplate Rating Capacity</i>								
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$500	
Fuel Storage								
Main Tank	100%			2045	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Yard</i>								
<i>Explanation : 60 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
LED	100%			2038	**			
Egress Lighting								
Emergency, Service	50%			2030	\$3,800	1		
Exit, Battery	50%			2025	\$8,700	10	\$400	
Exterior Lighting								
LED	30%			2038	**			
No Component	70%							
Alarm								
Fire/Smoke Detection								
Generic, Digital	100%			2030	\$31,600	1-3	\$8,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Strobe Lights, Manual Pull Stations, Alarm Bells, Smoke Detectors And Horns</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2050	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 75/ LADDER CO. 33 /BATTALION 19
Asset # : 13063

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment								
Furnace	50%			2035	**	1	\$3,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 6 Gas Fired Heating / Cooling Units</i>								
Furnace	10%			2025	\$3,800	1	\$600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Rooftop Unit</i>								
Hot Water Boiler	40%			2043	**	1	\$2,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1 In Basement, 1 In 2nd Floor</i>								
<i>Explanation : 2 Units</i>								
Distribution								
Hot Wtr Piping/Pump	40%			2046	**	4	\$200	
No Component	60%							
Terminal Devices								
Convactor/Radiator	25%			2043	**	1	\$1,000	
Unit Heater - Hot Water	15%			2035	**			
No Component	60%							
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	100%			2035	**	2	\$800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 6 Units, R-410a Refrigerant</i>								
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$7,000	
Exhaust Fans								
Roof	100%			2035	**	2	\$400	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2050	**	1		
Water Heater With Tanks								
Gas Fired	50%			2028	\$8,300	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallon Unit</i>								
Gas Fired	50%	0-2	\$200	2028	\$8,300	2		
<i>Not in Service, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 75/ LADDER CO. 33 /BATTALION 19
Asset # : 13063

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Non-Submersible	70%			2035	**	4	\$200	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Duplex Unit</i>					
Submersible	30%	Now	\$100	2025	\$100	4	\$100	
			<i>Abandoned in Place, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Basement Oil Tank Room. It Causes Flooding At Basement Seriously.</i>					
Backflow Preventer Generic	100%			2030	\$5,500	1	\$800	
Fixtures Generic	100%							
Fire Suppression								
Chemical System No Component	98%							
Generic	2%			2025	\$1,600	1-3	\$1,500	

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 76/ LADDER CO. 22 CO-LOCATE (PRECINCT 24)
Address : 145 WEST 100th STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.076 / 13064 **Yr Built/Renovated** : 1960 /
Area Sq Ft : 12,803 **Project Type** : FIRE DEPARTMENT
Date of Survey : 01-Jul-2020 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 1855 **Lot** : 5 **BIN** : 1055910

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture		\$910,700
Electrical	\$65,200	\$43,400
Mechanical	\$79,700	
Total	\$144,900	\$954,100
Importance Code B	\$144,900	\$954,100
Total	\$144,900	\$954,100

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture			\$22,100	
Interior Architecture	\$92,400			\$800
Electrical		\$200	\$30,800	
Mechanical	\$29,200	\$7,500	\$37,700	\$8,100
Site Enclosure	\$4,900			
Total	\$126,600	\$7,700	\$90,600	\$8,900
Importance Code A			\$22,100	
Importance Code B	\$118,400	\$7,700	\$68,500	\$8,900
Importance Code C	\$8,200			
Total	\$126,600	\$7,700	\$90,600	\$8,900



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 76/ LADDER CO. 22 CO-LOCATE (PRECINCT 24)
Asset # : 13064

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Alum/Vinyl Siding	5%			2051	**	10	\$300		
Masonry: Brick	70%			LIFE	**	5	\$15,600		
Masonry: Granite	5%			LIFE	**	5	\$800		
Masonry: Limestone	10%			LIFE	**	5	\$1,700		
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Street Facade</i>									
Wood Overhead Doors	10%			2036	**	5	\$11,100		
Windows									
Aluminum	100%			2053	**	5	\$600		
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>									
<i>Location : Throughout</i>									
Parapets									
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$2,400		
Masonry: Brick	80%			LIFE	**	5	\$1,200		
Roof									
Modified Bitumen	100%			2036	**	10	\$16,500		
Interior									
Floors									
Cast in Place Concrete	50%	Now	\$14,600	LIFE	**	5	\$19,300		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Throughout Apparatus Room</i>									
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : Engine Bay Of Apparatus Room</i>									
Ceramic Tile	5%	0-2	\$1,000	2034	**	5	\$400		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Locker Room</i>									
Mosaic Tile	5%	Now	\$48,400	2051	**	5	\$1,100		
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>									
<i>Location : Chief Room, Officer Room, Laundry Room And Toilets</i>									
Quarry Tile	5%			2044	**	5	\$1,300		
Vinyl Tile	5%			2036	**	3	\$400		
Vinyl Tile 9" X 9"	30%	Now	\$18,200	2031	\$910,700	3	\$2,000		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>									
<i>Location : Second Floor Corridor, Bunk Room</i>									
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>									
<i>Location : Locker Rooms</i>									
Interior Walls									
Ceramic Tile	10%			2034	**	5	\$1,200		
Gypsum Board	10%			LIFE	**	5	\$700		
Plaster	20%	Now	\$2,700	LIFE	**	5	\$700		
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : Rear Stair And Bunk Room</i>									
SGFT/Glazed Masonry	60%			LIFE	**				

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 76/ LADDER CO. 22 CO-LOCATE (PRECINCT 24)
Asset # : 13064

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	10%			2044	**	5	\$1,800	
Exposed Struc: Concrete	40%			LIFE	**	5	\$1,100	
Plaster	50%	Now	\$5,200	LIFE	**	5	\$5,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Rear Stair Ceiling</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	4+	\$4,900	2041	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Throughout Fence</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			
On-Site Walkways								
Cast in Place Concrete	100%			2036	**			
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Raceway								
Conduit	100%			2031	\$36,000	1		
Panelboards								
Fused Disc Sw	5%			2030	\$2,400	5		
Molded Case Bkrs	95%			2030	\$46,000	5	\$300	
Wiring								
Thermoplastic	100%			2031	\$32,500	1		
Motor Controllers								
Locally Mounted	100%			2029	\$17,800	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	40%			2031	\$43,400	10	\$4,700	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
Fluorescent	60%			2026	\$65,200	10	\$7,000	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								
Egress Lighting								
Emergency, Battery	50%			2026	\$10,500	10	\$1,500	
No Component	50%							
Exterior Lighting								
HID	20%			2026	\$11,700	10		
No Component	80%							

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FIRE DEPARTMENT - 057
ENGINE CO. 76/ LADDER CO. 22 CO-LOCATE (PRECINCT 24)
Asset # : 13064

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : The Heating Source Is From Adjacent Building Which Is The Police Station</i>								

Conversion Equipment								
Steam Boiler Central Plant	50%	0-2	\$22,200	2044	**			
<i>Controller Not Working, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout. No Capability For Control Of Heating. Heating Is Centrally Controlled. Insufficient Heating For Fire House.</i>								
Not Accessible	50%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : The Heating Source Is From Adjacent Building Which Is The Police Station</i>								

Distribution								
Hot Wtr Piping/Pump	100%			2039	**	4	\$600	

Terminal Devices								
Convactor/Radiator	50%			2036	**	1	\$2,100	
Convactor/Radiator	10%	0-2	\$500	2036	**	1	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Various</i>								
<i>Explanation : Missing Radiator Cover</i>								
Unit Heater - Steam	40%			2031	\$28,400	4	\$500	

Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		

Conversion Equipment								
Split Unit	10%			2036	**			
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 Unit. R-410a</i>								
Window/Wall Unit	50%			2026	\$23,700	1		
No Component	40%							

Heat Rejection								
Dry Cooler	100%			2031	\$34,400	2	\$8,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Condenser For The Split Unit.</i>								

Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$1,400	
No Component	80%							

Exhaust Fans								
Roof	20%			2031	\$4,900	2	\$100	
Wall Unit	30%			2026	\$1,600	2	\$100	
No Component	50%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 76/ LADDER CO. 22 CO-LOCATE (PRECINCT 24)
Asset # : 13064

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
H/C Water Piping	Brass/Copper	90%			2041	**	1	
	Brass/Copper	10%	0-2	\$800	2041	**	1	
<i>Corroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement. Corroded Hot Water Piping</i>								
Water Heater With Tanks	Electric	100%			2029	\$23,100	4	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Two 120 Gallon Units</i>								
Sanitary Piping	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Fixtures								
	Generic	90%						
<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
	Generic	10%						
<i>Leaking Faucets/Valves/Heads, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 2nd Floor And Kitchen Area. Slop Sink Damaged Faucets And Clogged Kitchen Drain</i>								
Fire Suppression								
Chemical System	Generic	100%			2026	\$79,700	1-3	\$74,400

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 79
Address : 2928 BRIGGS AVENUE @ E.199 ST
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.079 / 13065 **Yr Built/Renovated** : 1904 / 2009
Area Sq Ft : 6,804 **Project Type** : FIRE DEPARTMENT
Date of Survey : 01-Jun-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3297 **Lot** : 9 **BIN** : 2016936

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Site Enclosure	\$88,700	
Total	\$88,700	
Importance Code C	\$88,700	
Total	\$88,700	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$17,500			
Interior Architecture	\$50,900			\$800
Electrical	\$13,200	\$700	\$3,100	\$800
Mechanical	\$22,900	\$1,100	\$1,200	\$1,400
Site Pavements	\$13,200			
Total	\$117,700	\$1,900	\$4,400	\$3,100
Importance Code A	\$18,200	\$700	\$700	\$700
Importance Code B	\$83,100	\$1,200	\$3,700	\$2,200
Importance Code C	\$16,400			\$100
Total	\$117,700	\$1,900	\$4,400	\$3,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 79
Asset # : 13065

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2053	**	10	\$100	
Cast Stone/Terra Cotta	2%			LIFE	**	5	\$2,500	
Masonry: Brick	80%			LIFE	**	5	\$13,000	
<i>Painted Surfaces, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : South Facade</i>								
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : North Facade</i>								
<i>Explanation : Partial Cement Parge Coating Above 2nd Floor Windows</i>								
Masonry: Granite	3%			LIFE	**	5	\$400	
Wood Overhead Doors	10%			2038	**	5	\$4,100	
Windows								
Aluminum	100%	4+	\$1,900	2049	**	5	\$100	
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	90%	4+	\$2,500	LIFE	**	5	\$1,000	
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Parapet Base</i>								
Pre-Cast Concrete	10%			LIFE	**	5	\$1,400	
Roof								
Asphalt Shingle	5%			2042	**	10	\$100	
Modified Bitumen	92%	4+	\$4,400	2038	**			
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Skylight, Metal/Glass	3%			2043	**	10	\$900	
Soffits								
Wood	100%			2046	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Addition</i>								
<i>Explanation : Exposed Wood Sheathing Is Located Under Dining Area Building Addition</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 79
Asset # : 13065

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	50%	2-4	\$19,000	LIFE	**	5	\$10,000	
<i>Uneven Substrate, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%	Now	\$12,600	2042	**	5	\$200	
<i>Drains Inad/Misposn, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Second Floor Restroom</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Over Apparatus Floor</i>								
Ceramic Tile	5%			2042	**	5	\$500	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Kitchen And Dining Areas</i>								
<i>Explanation : This Is Actually Large Format Ceramic Tile</i>								
Vinyl Tile	40%	4+	\$4,900	2038	**	3	\$1,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Second Floor</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Second Floor</i>								
Interior Walls								
Ceramic Tile	5%			2042	**	5	\$300	
Gypsum Board	5%			LIFE	**	5-10	\$400	
Masonry: Brick	40%			LIFE	**	10	\$600	
Masonry: Fieldstone	5%			LIFE	**	10	\$100	
Plaster	40%			LIFE	**	5-10	\$1,800	
Wood	5%			LIFE	**	5	\$2,100	
Ceilings								
AcousTileSusp.Lay-In	5%	4+	\$700	2046	**	5	\$200	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Bunk Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Apparatus Floor</i>								
Embossed Metal	40%			LIFE	**	5	\$3,300	
Exposed Struc: Steel	20%			LIFE	**	10	\$3,700	
Gypsum Board	15%			LIFE	**	5-10	\$4,700	
Plaster	20%			LIFE	**	5-10	\$3,200	
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%	Now	\$88,700	2043	**			
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Site Pavements								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 79
Asset # : 13065

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2038	**			
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*Other Observation, Extent : Severe, Area Affected : 2%**Location : Sidewalk Hatch**Explanation : Water Penetration*

On-Site Walkways

Cast in Place Concrete	100%	4+	\$11,100	2046	**			
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 20%**Location : Throughout Rear Yard*

Parking/Driveway

Cast in Place Concrete	100%	Now	\$2,000	2046	**			
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*Cracking/Crumbling, Extent : Severe, Area Affected : 5%**Location : Driveway Apron At Front Entrance*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2043	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Main Service Switch Rated At 200 Amperes*

Raceway

Conduit	50%			2033	\$18,000	1		
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Conduit	50%			2043	**	1		
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Panelboards

Molded Case Bkrs	20%			2041	**	5		
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Molded Case Bkrs	80%			2032	\$38,800	5	\$100	
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Wiring

Thermoplastic	50%			2033	\$16,300	1		
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Thermoplastic	50%			2043	**	1		
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Motor Controllers

Locally Mounted	100%			2038	**	5		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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Stand-by Power

Transfer Switches

Automatic	100%			2038	**	1	\$2,100	
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Generators

Diesel	100%			2036	**	1	\$2,600	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside**Explanation : Emergency Generator Rated At 81 Kilovolt Amperes*

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 79
Asset # : 13065

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Batteries								
Lead/Acid	100%			2026	\$2,400	5	\$300	
Fuel Storage								
Day Tank	100%			2041	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 60 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent	35%			2033	\$20,200	10	\$2,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	2%			2033	\$1,200	10	\$100	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
Incandescent	10%			2033	\$8,200	2		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Halogen Light</i>								
LED	53%			2041	**			
Egress Lighting								
Emergency, Service	40%			2033	\$1,600	1		
Emergency, Battery	10%			2033	\$1,100	10	\$200	
No Component	50%							
Exterior Lighting								
LED	20%			2041	**			
No Component	80%							
Alarm								
Security System								
Generic	100%	0-2	\$12,500	2043	**	1	\$2,300	
<i>Not in Service, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Steam Boiler	100%			2038	**	1	\$6,700	
Distribution								
Steam Piping/Pump	100%			2043	**			
Terminal Devices								
Convactor/Radiator	100%			2038	**	1	\$2,200	

Air Conditioning

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 79
Asset # : 13065

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Electricity	100%			2041	**	1		
Conversion Equipment								
Split Unit	15%			2028	\$23,700			
<i>Unit Inoperable, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Roof. Unit Is Undersized And Malfunctioning</i>								
Window/Wall Unit	40%			2028	\$10,100	1		
No Component	45%							
Ventilation								
Distribution								
Ductwork/Diffusers	15%			LIFE	**	2-5	\$900	
No Component	85%							
Exhaust Fans								
Interior	10%			2028	\$2,900	2		
Roof	15%			2028	\$1,900	2		
No Component	75%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2043	**	1		
Water Heater With Tanks								
Gas Fired	50%			2028	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 74 Gallon Units</i>								
Gas Fired	50%	0-2	\$16,700	2033	\$16,700	2		
<i>Malfunctioning, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
Sanitary Piping								
Cast Iron	100%	Now	\$4,200	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement. Backups At Basement</i>								
<i>Leak Evident, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement And 1st Floor</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2024	\$200	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	95%							
Generic	5%			2028	\$3,600	1-3	\$3,600	
<i>Other Observation, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Kitchen Fire Suppression 18 Square Feet</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 8
Address : 165 EAST 51st STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.008 / 13007 **Yr Built/Renovated** : 1961 / 2006
Area Sq Ft : 9,897 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 1306 **Lot** : 33 **BIN** : 1036462

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$56,600	
Mechanical	\$79,700	\$203,200
Total	\$136,300	\$203,200
Importance Code A	\$56,600	
Importance Code B	\$79,700	\$203,200
Total	\$136,300	\$203,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$10,300			
Interior Architecture	\$44,700	\$1,100		\$700
Electrical	\$800	\$600	\$1,700	\$900
Mechanical	\$8,500	\$7,200	\$17,500	\$7,200
Total	\$64,300	\$8,800	\$19,300	\$8,800
Importance Code A	\$10,300			
Importance Code B	\$49,700	\$7,700	\$19,300	\$8,800
Importance Code C	\$4,300	\$1,100		
Total	\$64,300	\$8,800	\$19,300	\$8,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 8
Asset # : 13007

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Granite	30%			LIFE	**	5	\$1,100	
Metal/Glass Curt Wall	35%			LIFE	**	5	\$3,200	
Metal Sect. OHD	35%			2044	**	5	\$5,300	
Windows								
Aluminum	50%	Now	\$56,600	2056	**	5	\$600	
<i>Air Infiltration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 2nd Floor Office</i>								
Metal Louvers	50%			2034	**	10	\$7,600	
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$27,700	LIFE	**	5	\$14,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout The Apparatus Floor</i>								
<i>Spalling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout The Apparatus Floor</i>								
Ceramic Tile	10%	Now	\$4,100	2040	**	5	\$700	
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 1st Floor Bathroom Floor Drain Backup</i>								
Quarry Tile	5%			2044	**	5	\$1,100	
Vinyl Tile	40%	Now	\$3,200	2036	**	3	\$2,200	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Company Office From Abutting Property</i>								
Interior Walls								
Ceramic Tile	10%			2040	**	5	\$2,100	
Gypsum Board	30%	Now	\$4,300	LIFE	**	5	\$3,800	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Company Office From Abutting Property</i>								
Plaster	10%			LIFE	**	5	\$600	
SGFT/Glazed Masonry	50%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	40%	2-4	\$2,100	2044	**	5	\$1,300	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Multiple Locations At The Second Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout</i>								
Exposed Struc: Concrete	10%			LIFE	**	5	\$100	
Gypsum Board	50%	Now	\$2,800	LIFE	**	5	\$4,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Storage Room And Gymnasium</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room From Bathroom Above</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 8
Asset # : 13007

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2051	**	1		
Panelboards								
Fused Disc Sw	5%			2047	**	5		
Molded Case Bkrs	95%			2047	**	5	\$200	
Wiring								
Thermoplastic	100%			2051	**	1		
Motor Controllers								
Locally Mounted	100%			2044	**	5	\$100	
Lighting								
Interior Lighting								
LED	100%			2036	**			
Egress Lighting								
Emergency, Battery	50%			2036	**	10	\$1,200	
Exit, LED	50%			2059	**	1		
Exterior Lighting								
LED	20%			2036	**			
No Component	80%							
Alarm								
Fire/Smoke Detection								
Generic, Digital	100%			2036	**	1-3	\$6,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Smoke Detectors, Strobe Lights, Manual Pull Stations, Alarm Bells And Horns</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Heating Source Provided By The Main Building</i>								
<i>Explanation : Building Services Provides Forced Hot Air</i>								
Conversion Equipment								
Not Accessible	100%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : Heating Source Provided By The Building</i>								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$2,800	
Central Plant Steam	50%			2041	**	4	\$400	
Piping/Pmp								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 8
Asset # : 13007

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Air Handler	30%			2036	**	1	\$1,800	
Convactor/Radiator	40%			2036	**	1	\$1,300	
Unit Heater - Steam	30%			2031	\$16,500	4	\$300	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Split Unit	50%			2031	\$114,800			
<i>R-22 Refrigerant, Extent : Light, Area Affected : 50%</i>								
<i>Location : 4 Units, Various</i>								
Window/Wall Unit	10%			2026	\$3,700	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	50%			2031	\$88,500	1	\$1,600	
No Component	50%							
Heat Rejection								
Evaporative Condenser	50%			2031	\$15,200	2	\$3,400	
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	80%			LIFE	**	2-5	\$4,400	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : The Air Circulation Is Very Poor Due To The Building Setup.</i>								
Ductwork/Diffusers	20%	0-2	\$1,700	LIFE	**	2-5	\$1,100	
<i>Inadequate Supply, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout. Poor Ventilation</i>								
Exhaust Fans								
Interior	100%			2036	**	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	**	1		
Water Heater With Tanks								
Electric	100%			2029	\$23,100	4		
Sanitary Piping								
Cast Iron	90%			LIFE	**	1		
Cast Iron	10%	Now	\$600	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Clogged Drain</i>								
<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bathroom</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 8
Asset # : 13007

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Backflow Preventer	100%						
	Not Accessible							
			<i>Other Observation, Extent : Light, Area Affected : 0%</i>					
			<i>Location : Throughout</i>					
			<i>Explanation : Water Feed From Landlord</i>					
Fixtures								
	Generic	100%						
Fire Suppression								
	Sprinkler							
	Generic	100%			2051	**	1-2	\$2,800
Fire Pump								
	Not Accessible	100%						
Chemical System								
	Generic	100%			2026	\$79,700	1-3	\$74,400

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 80/ LADDER CO. 23
Address : 503 WEST 139th STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.080 / 13066 **Yr Built/Renovated** : 1904 / 2011
Area Sq Ft : 10,667 **Project Type** : FIRE DEPARTMENT
Date of Survey : 08-Jul-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2071 **Lot** : 27 **BIN** : 1075504

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$117,000	
Mechanical		\$79,700
Total	\$117,000	\$79,700
Importance Code A	\$117,000	
Importance Code B		\$79,700
Total	\$117,000	\$79,700

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$22,700			\$1,400
Interior Architecture	\$22,100	\$2,900	\$400	\$800
Electrical	\$700	\$700	\$3,300	\$1,000
Mechanical	\$67,500	\$6,800	\$19,200	\$6,900
Total	\$113,000	\$10,400	\$22,900	\$10,200
Importance Code A	\$23,800	\$1,100	\$1,100	\$2,600
Importance Code B	\$89,300	\$6,500	\$21,900	\$7,600
Importance Code C		\$2,900		
Total	\$113,000	\$10,400	\$22,900	\$10,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 80/ LADDER CO. 23
Asset # : 13066

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$117,000	LIFE	**	5	\$29,100	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Street Facade. Upper Story</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Street Facade. Upper Right Corner</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Street Facade. Upper Right Corner</i>								
Masonry: Limestone	15%			LIFE	**	5	\$4,400	
Metal Sect. OHD	10%			2044	**	5	\$12,100	
Windows								
Aluminum	100%			2047	**	5	\$2,800	
Parapets								
Masonry: Brick	25%			LIFE	**	5	\$600	
Masonry: Brick	50%	Now	\$3,100	LIFE	**	5	\$1,200	
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 3rd Floor Gymnasium Street Facade</i>								
Masonry: Limestone	15%			LIFE	**	5	\$500	
Pre-Cast Concrete	5%			LIFE	**	5	\$800	
Slate	5%			LIFE	**	5	\$100	
Roof								
Modified Bitumen	97%	2-4	\$13,600	2036	**			
<i>Ponding, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Main Roof</i>								
Skylight, Metal/Glass	3%			2051	**	10	\$1,300	
Interior								
Floors								
Cast in Place Concrete	37%	4+	\$9,800	LIFE	**	5	\$12,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Back Up From Floor Drains In Heavy Storms</i>								
Ceramic Tile	5%	Now	\$2,200	2040	**	5	\$400	
<i>Worn/Eroded, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Locker Rooms</i>								
Quarry Tile	3%			2036	**	5	\$700	
Vinyl Tile	40%	0-2	\$3,500	2036	**	3	\$2,400	
<i>Uneven Surface, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Second And Third Floors</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Second And Third Floors</i>								
Wood	15%			2059	**	5	\$4,500	

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FIRE DEPARTMENT - 057
ENGINE CO. 80/ LADDER CO. 23
Asset # : 13066

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Ceramic Tile	30%			2040	**	5	\$5,700
Concrete Masonry Unit	10%			LIFE	**	5	\$800
Gypsum Board	40%			LIFE	**	5	\$4,600
Masonry: Brick	20%			LIFE	**		

Ceilings

AcousTileSusp.Lay-In	35%	Now	\$4,300	2044	**	5	\$2,700
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Broken/Missing Elements, Extent : Light, Area Affected : 10%

Location : Kitchen

Other Observation, Extent : Severe, Area Affected : 10%

Location : Kitchen

Explanation : Kitche Hung Ceiling Removed Due To Rat And Mice Problems

Exposed Struc: Concrete	20%			LIFE	**	5	\$500
Exposed Struc: Steel	20%			LIFE	**		
Gypsum Board	25%			LIFE	**	5	\$4,800

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2044	**		
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On-Site Walkways

Cast in Place Concrete	100%			2044	**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2057	**	5	\$300
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : One 200 Ampere Main Disconnect Switch

Switchgear / Switchboard

Molded Case Bkrs	100%			2057	**	5	\$300
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Raceway

Conduit	100%			2057	**	1	
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Panelboards

Fused Disc Sw	5%			2053	**	5	
Molded Case Bkrs	95%			2053	**	5	\$300

Wiring

Thermoplastic	100%			2057	**	1	
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Motor Controllers

Locally Mounted	100%			2048	**	5	\$100
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200
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Stand-by Power

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 80/ LADDER CO. 23
Asset # : 13066

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Transfer Switches								
Automatic	100%			2048	**	1	\$3,300	
Generators								
Diesel	100%			2044	**	1	\$4,100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 80 Kilowatt/ 100 Kilovolt-ampere, 3 Phase, 208/120v</i>						
Batteries								
Lead/Acid	100%			2026	\$2,400	5	\$400	
Fuel Storage								
Day Tank	50%			2053	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 100 Gallons</i>						
Main Tank	50%			2066	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 550 Gallons</i>						
Lighting								
Interior Lighting								
Fluorescent	100%			2039	**	10	\$9,800	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Egress Lighting								
Emergency, Service	50%			2039	**	1		
Exit, LED	50%			2066	**	1		
Exterior Lighting								
LED	20%			2039	**			
No Component	80%							
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2051	**	1		
Conversion Equipment								
Steam Boiler	100%			2044	**	1	\$10,600	
Distribution								
Steam Piping/Pump	95%			2051	**			
Steam Piping/Pump	5%	0-2	\$200	2051	**			
		<i>Corroded, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Basement. Supply, Return Bolier Piping Header</i>						
Terminal Devices								
Convactor/Radiator	80%			2044	**	1	\$2,800	
Unit Heater - Steam	20%			2036	**	4	\$300	

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FIRE DEPARTMENT - 057
ENGINE CO. 80/ LADDER CO. 23
Asset # : 13066

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Energy Source								
Electricity	100%			2047	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	50%			2036	**	2	\$300	
<i>Other Observation, Extent : Light, Area Affected : 70%</i>								
<i>Location : Roof</i>								
<i>Explanation : 3 Units. R - 410 A Refrigerant</i>								
Exterior Pkg Unit - Cooling	20%	Now	\$13,700	2041	**	2	\$100	
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof. Air Conditioning Unit Serving 3rd Floor Not Working</i>								
Window/Wall Unit	10%			2029	\$3,900	1		
No Component	20%							
Distribution								
Ductwork/Diffusers	95%			LIFE	**	2	\$13,200	
Ductwork/Diffusers	5%	Now	\$5,500	LIFE	**	2	\$700	
<i>Leak Evident, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 3rd Floor. Condensate Leaking Into 3rd Floor</i>								
Heat Rejection								
Dry Cooler	100%			2036	**	2	\$7,400	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,900	
Exhaust Fans								
Interior	50%	0-2	\$23,100	2041	**	2	\$100	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Room.</i>								
<i>Explanation : No Ventilation In Apparatus Room</i>								
Roof	50%			2036	**	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	**	1		
Water Heater With Tanks								
Gas Fired	100%			2029	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	20%	0-2	\$15,700	LIFE	**	1		
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Severe Sewer Back Up In Basement</i>								
Cast Iron	80%			LIFE	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 80/ LADDER CO. 23
Asset # : 13066

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Storm Drain Piping Cast Iron	100%	Now	\$700	LIFE	**	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Operational Area And Rear Side Of Basement.</i>								
	Sump Pump(s) Non-Submersible	100%			2031	\$2,100	4	\$200
	Fixtures Generic	100%						
Fire Suppression								
	Chemical System Generic	100%			2029	\$79,700	1-3	\$74,400
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 81/ LADDER CO. 46
 Address : 3025 BAILEY AVENUE
 Borough : BRONX Agency's Number : N/A
 Program / Asset # : FIRSECO.081 / 13067 Yr Built/Renovated : 1912 / 2007
 Area Sq Ft : 9,500 Project Type : FIRE DEPARTMENT
 Date of Survey : 27-Apr-2022 Landmark Status : NONE
 Areas Surveyed : Basement, Roof, Floors 1,2,3
 Block : 3266 Lot : 1 BIN : 2000000

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Electrical		\$80,600
Mechanical		\$239,100
Site Pavements		\$116,500
Total		\$436,200
Importance Code B		\$319,700
Importance Code C		\$116,500
Total		\$436,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$72,900		\$3,800	
Interior Architecture	\$76,600		\$1,500	\$800
Electrical	\$1,500	\$700	\$700	\$3,100
Mechanical	\$67,300	\$17,200	\$17,600	\$36,600
Site Enclosure	\$27,600			
Site Pavements	\$31,300			
Total	\$277,100	\$17,900	\$23,600	\$40,500
Importance Code A	\$73,400	\$500	\$4,300	\$500
Importance Code B	\$138,800	\$17,400	\$19,300	\$39,600
Importance Code C	\$65,000			\$400
Total	\$277,100	\$17,900	\$23,600	\$40,500



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 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 81/ LADDER CO. 46
Asset # : 13067

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	3%	4+	\$400	2053	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Addition At Rear Of Building</i>								
Masonry: Brick	75%	4+	\$41,600	LIFE	**	5	\$25,900	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : North Facade At 1st Floor</i>								
Masonry: Granite	3%			LIFE	**	5	\$1,600	
Masonry: Limestone	10%			LIFE	**	5	\$5,200	
Metal Sect. OHD	7%			2046	**	5	\$7,500	
Stucco Cement	2%	Now	\$11,400	2046	**	5	\$900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Addition At Rear Of Building</i>								
Windows								
Aluminum	99%			2049	**	5	\$900	
Metal Louvers	1%			2036	**	10	\$100	
Parapets								
Masonry: Brick	90%	4+	\$6,800	LIFE	**	5	\$2,800	
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 5%</i>								
<i>Location : West Side Of Main Roof</i>								
Masonry: Limestone	10%			LIFE	**	5-10	\$3,700	
Roof								
Asphalt Shingle	5%	Now	\$3,200	2048	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Lower Roof</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Lower Roof</i>								
Modified Bitumen	90%	4+	\$2,300	2038	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Roof Hatch Base Flashing In Gymnasium Area</i>								
Skylight, Metal/Glass	5%			2053	**	10	\$2,000	
Soffits								
Wood	100%			2038	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Yard</i>								
<i>Explanation : Exposed Underside Of Roof Over Barbecue Grill</i>								
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$37,300	
Ceramic Tile	5%			2042	**	5	\$700	
Quarry Tile	5%	4+	\$2,600	2046	**	5	\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen And Dining Area</i>								
Vinyl Tile	25%			2038	**	3	\$1,300	
Wood	5%			2061	**	5	\$1,300	

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 81/ LADDER CO. 46
Asset # : 13067

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Interior									
Interior Walls									
Ceramic Tile	5%			2042	**	5	\$900		
Concrete Masonry Unit	3%			LIFE	**	5	\$400		
Gypsum Board	10%			LIFE	**	5-10	\$2,900		
Masonry: Brick	10%	4+	\$6,400	LIFE	**				
<i>Vertical Cracks, Extent : Moderate, Area Affected : 2%</i>									
<i>Location : Apparatus Room Partition Wall Between Bays</i>									
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Apparatus Room</i>									
<i>Explanation : Unglazed Face Brick</i>									
Masonry: Brick	32%	4+	\$20,600	LIFE	**				
<i>Spalling, Extent : Moderate, Area Affected : 2%</i>									
<i>Location : Basement At Front Wall</i>									
Plaster	40%	Now	\$8,200	LIFE	**	5	\$2,100		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 2%</i>									
<i>Location : Roof Hatch Area</i>									
Ceilings									
AcousTileSusp.Lay-In	5%			2046	**	5	\$700		
Exposed Struc: Steel	25%			LIFE	**	10	\$7,100		
Plaster	70%			LIFE	**	5-10	\$17,100		
Site Enclosure									
Fence/Gates									
Chain Link	100%	Now	\$6,000	2043	**				
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : North Facade On Albany Crescent</i>									
Free Standing Walls									
Masonry: Brick	100%	Now	\$21,600	2043	**				
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>									
<i>Location : Throughout</i>									
Retaining Walls									
Masonry: Brick	100%			2043	**				
Site Pavements									
Public Sidewalk									
Cast in Place Concrete	100%	Now	\$31,300	2046	**				
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Entrance To Parking Area And Northeast Corner Of Property</i>									
On-Site Walkways									
Cast in Place Concrete	100%			2038	**				
Parking/Driveway									
Asphalt	70%			2029			\$116,500		
Cast in Place Concrete	30%			2046	**				

Electrical		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 81/ LADDER CO. 46
Asset # : 13067

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2053	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Main Service Switch Rated At 400 Amperes</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2053	**	5	\$300	
Raceway								
Conduit	100%			2053	**	1		
Panelboards								
Molded Case Bkrs	100%			2049	**	5	\$300	
Wiring								
Thermoplastic	50%			2053	**	1		
Thermoplastic	50%			2043	**	1		
Motor Controllers								
Locally Mounted	75%			2046	**	5		
Locally Mounted	25%			2031	\$4,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$300	
Stand-by Power								
Transfer Switches								
Automatic	100%			2046	**	1	\$2,900	
Generators								
Diesel	100%			2042	**	1	\$3,700	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Outside Generator Enclosure</i>								
<i>Explanation : Rated At 100 Kilovolt Amperes</i>								
Batteries								
Lead/Acid	100%			2027	\$2,400	5	\$400	
Fuel Storage								
Day Tank	100%			2049	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 125 Gallons Capacity</i>								
Lighting								
Interior Lighting								
Fluorescent	100%			2033	\$80,600	10	\$8,700	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Egress Lighting								
Emergency, Service	40%			2033	\$2,300	1		
Emergency, Battery	10%			2033	\$1,600	10	\$200	
Exit, LED	40%			2061	**	1		
Exit, Service	10%	0-2	\$400	2043	**	1		
<i>Not Functioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : First Floor</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 81/ LADDER CO. 46
Asset # : 13067

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting

LED	20%			2043	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas	100%			2043	**	1		
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Conversion Equipment

Hot Water Boiler	100%			2046	**	1	\$4,700	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : 2 Boilers

Distribution

Hot Wtr Piping/Pump	100%	0-2	\$10,100	2041	**	4	\$500	
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Controller Not Working, Extent : Moderate, Area Affected : 100%

Location : Defective Control For The Heating System.

Terminal Devices

Convactor/Radiator	80%			2038	**	1	\$2,500	
Unit Heater - Hot Water	20%			2038	**			

Air Conditioning

Energy Source

Electricity	100%			2049	**	1		
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Conversion Equipment

Split Unit	5%	0-2	\$1,100	2038	**			
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Malfunctioning, Extent : Moderate, Area Affected : 100%

Location : Kitchen Area

Window/Wall Unit	75%	0-2	\$5,300	2028	\$26,400	1		
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Malfunctioning, Extent : Moderate, Area Affected : 50%

Location : Various Locations. 50 Percent Of The Units Are Either Very Old Or Not Working

No Component	20%							
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Ventilation

Distribution

Ductwork/Diffusers	10%			LIFE	**	2-5	\$800	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : Includes Make Up Air For Boiler

No Component	90%							
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FIRE DEPARTMENT - 057
ENGINE CO. 81/ LADDER CO. 46
Asset # : 13067

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
	Exhaust Fans							
	Interior	50%	0-2	\$10,300	2033	\$20,600	2	\$100
		<i>Not in Service, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Exhaust Fan At Apparatus Room Is Not Working</i>						
	Roof	20%	Now	\$1,100	2033	\$3,600	2	
		<i>Broken, Extent : Moderate, Area Affected : 30%</i>						
		<i>Location : Roof Kitchen Exhaust Fan</i>						
	No Component	30%						
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2053	**	1	
	Water Heater With Tanks							
	Gas Fired	50%			2031	\$8,300	2	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 75 Gallons Unit</i>						
	Gas Fired	50%			2031	\$8,300	2	
	Sanitary Piping							
	Cast Iron	100%	Now	\$2,300	LIFE	**	1	
		<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : 1st Floor Slop Sink Engine Side</i>						
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2026	\$300	4	\$300
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Generic	100%			2028	\$239,100	1-3	\$242,700
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Kitchen Hood. 1 Set 60 Square Foot Fire Supppression System</i>						

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 82/ LADDER CO. 31
Address : 1213 INTERVALE AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.082 / 13068 **Yr Built/Renovated** : 1904 / 2000
Area Sq Ft : 8,975 **Project Type** : FIRE DEPARTMENT
Date of Survey : 13-Jun-2018 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2973 **Lot** : 38 **BIN** : 2010447

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$304,000	
Electrical		\$72,300
Total	\$304,000	\$72,300
Importance Code A	\$304,000	
Importance Code B		\$72,300
Total	\$304,000	\$72,300

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$110,500			\$12,500
Interior Architecture	\$56,200	\$700		
Electrical	\$53,600			\$100
Mechanical	\$60,500	\$1,300	\$2,000	\$3,000
Site Pavements	\$1,100			
Total	\$281,900	\$2,000	\$2,000	\$15,700
Importance Code A	\$111,400	\$900	\$900	\$13,400
Importance Code B	\$148,800	\$1,100	\$1,100	\$2,200
Importance Code C	\$21,700			
Total	\$281,900	\$2,000	\$2,000	\$15,700



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 82/ LADDER CO. 31
Asset # : 13068

Architecture	Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$13,100	
Masonry: Brick	80%	Now	\$107,600	LIFE	**	5	\$26,800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Rear Facade</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Right Side Near Front</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Rear Facade And Side Facade At Flat Roof</i>								
<i>Sidewalk Shed in Use, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Front Entrance Facade</i>								
Wood Overhead Doors	15%			2027	\$140,700	5	\$25,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Left Door - 3 Glass Panes Replaced With Plywood</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Both Doors</i>								
Windows								
Aluminum	100%	Now	\$32,000	2045	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Office And 3rd Floor Rear</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	5%	0-2	\$4,300	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Roof Parapet</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Main Roof Parapet</i>								
Masonry: Brick	85%	Now	\$25,700	LIFE	**	5	\$2,100	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Main Roof</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Main Roof, Front Parapets Next To Tile Roof</i>								
<i>Spalling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								
Masonry: Limestone	10%			LIFE	**	5	\$300	

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FIRE DEPARTMENT - 057
ENGINE CO. 82/ LADDER CO. 31
Asset # : 13068

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Asphalt Shingle	5%	Now	\$300	2032	\$3,200			
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Top Of Shed Roof</i>								
Clay Tile	20%	Now	\$15,200	2039	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Main Sloped Roof At Front Of Building</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Throughout, Particularly At 2nd Floor Front</i>								
<i>Other Observation, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Front Of Building</i>								
<i>Explanation : Gutters Failing, Causing Extensive Interior Damage</i>								
Roll Roofing	72%	Now	\$2,800	2025	\$55,700	5	\$7,300	
<i>Seams Open/Split, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Main Roof</i>								
Skylight, Metal/Glass	3%	2-4	\$30,200	2039	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Hose Tower</i>								
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$10,500	LIFE	**	5	\$13,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Basement And Apparatus Floor</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement Near Front</i>								
Ceramic Tile	15%	Now	\$11,600	2038	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	40%			2034	**	3	\$2,100	
Interior Walls								
Ceramic Tile	5%	Now	\$800	2038	**	5	\$400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Gypsum Board	10%			LIFE	**	5	\$900	
Masonry: Brick	40%			LIFE	**			
Masonry: Fieldstone	10%	Now	\$14,200	LIFE	**			
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Penetration</i>								
Plaster	30%	Now	\$5,600	LIFE	**	5	\$1,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Front And 2nd Floor Hose Tower</i>								
Wood	5%			LIFE	**	5	\$3,100	

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FIRE DEPARTMENT - 057
ENGINE CO. 82/ LADDER CO. 31
Asset # : 13068

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	15%	Now	\$6,800	2034	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor And Kitchen</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor, 3rd Floor Front And Kitchen</i>								
Embossed Metal	20%	Now	\$4,100	LIFE	**	5	\$1,300	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Weight Room</i>								
Exposed Struc: Steel	30%			LIFE	**			
Metal Panel	5%			LIFE	**	5	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Shower Room</i>								
<i>Explanation : Metal Lay-In Panels</i>								
Plaster	30%	2-4	\$2,500	LIFE	**	5	\$2,600	
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Locker Room And Hose Tower Scuttle</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2039	**			
Retaining Walls								
Concrete Masonry Unit	60%			2049	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Concrete Masonry Unit Sits Upon Brick Base; Chain Link Fence Is Fastened To Concrete Masonry Unit</i>								
Masonry: Brick	40%			2049	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2034	**			
On-Site Walkways								
Cast in Place Concrete	100%			2034	**			
Parking/Driveway								
Cast in Place Concrete	100%	Now	\$1,100	2034	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : At Curb Cut</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : At Curb Cut</i>								
Activity Yard								
Cast in Place Concrete	100%			2034	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 82/ LADDER CO. 31
Asset # : 13068

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment Fused Disc Sw	100%			2029	\$14,700	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Explanation : 400 Ampere</i>								
Switchgear / Switchboard Molded Case Bkrs	100%			2039	**	5	\$200	
Raceway Conduit	100%			2039	**	1		
Panelboards Molded Case Bkrs	30%	0-2	\$14,500	2054	**	5		
<i>Enclosure Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Electrical Section Near Service Switch</i>								
<i>Explanation : Water Damage</i>								
Molded Case Bkrs	70%			2037	**	5	\$200	
Wiring Braided Cloth	30%	2-4	\$9,800	2054	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Insulation Aged And Brittle.</i>								
Thermoplastic	70%			2049	**	1		
Motor Controllers Locally Mounted	100%			2034	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Boiler Section</i>								
<i>Explanation : Motor Controllers For Heating System.</i>								
Ground								
Grounding Devices Generic	100%	2-4	\$10,200	LIFE	**	5	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Near Water Main</i>								
<i>Explanation : Ground Wire Rusted And Corroded.</i>								
Lighting								
Interior Lighting Fluorescent	95%			2029	\$72,300	10	\$7,800	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent	5%			2024	\$5,400	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Television Room 1st Floor</i>								
<i>Explanation : Downlights</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 82/ LADDER CO. 31
Asset # : 13068

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Egress Lighting								
Exit, Battery	50%			2029	\$6,200	10	\$300	
Exit, Battery	50%	Now	\$1,900	2039	**			
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Broken</i>								
<hr/>								
Exterior Lighting								
HID	25%			2029	\$10,200	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Facade</i>								
<i>Explanation : Wall Mounted, Controlled Via Time Clock</i>								
<hr/>								
Incandescent	25%			2024	\$11,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : Wall Mounted</i>								
<hr/>								
No Component	50%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2049	**	1		
<hr/>								
Conversion Equipment								
Steam Boiler	100%			2042	**	1	\$8,900	
<hr/>								
Distribution								
Steam Piping/Pump	100%	Now	\$1,400	2039	**			
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Near Front Of Building</i>								
<hr/>								
Terminal Devices								
Convactor/Radiator	100%			2034	**	1	\$2,900	
<hr/>								
Air Conditioning								
Energy Source								
Electricity	100%			2045	**	1		
<hr/>								
Conversion Equipment								
Window/Wall Unit	80%			2024	\$26,600	1		
No Component	20%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Roof</i>								
<i>Explanation : Exterior Package Unit Abandoned In Place</i>								
<hr/>								
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,000	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 82/ LADDER CO. 31
Asset # : 13068

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
	Exhaust Fans							
	Interior	50%			2029	\$19,400	2	\$100
	Roof	50%			2024	\$8,500	2	\$100
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%			2039	**	1	
	Water Heater With Tanks							
	Gas Fired	100%			2024	\$16,700	2	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : Two 74 Gallon Units</i>				
	Sanitary Piping							
	Cast Iron	100%	Now	\$5,500	LIFE	**	1	
				<i>Blockage /Clogged, Extent : Severe, Area Affected : 50%</i>				
				<i>Location : 1st Floor Drains Have Sewage Backflow</i>				
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2024	\$300	4	\$300
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2037	**	1	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : Serves Boiler Only</i>				
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	No Component	98%						
	Generic	2%			2027	\$1,600	1-3	\$1,600
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Kitchen</i>				
				<i>Explanation : Kitchen Hood</i>				

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 83
Address : 618 EAST 138th STREET
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.083 / 13069 **Yr Built/Renovated** : 1905 / 2000
Area Sq Ft : 6,578 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-Apr-2022 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2550 **Lot** : 28 **BIN** : 2003609

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$469,800	\$125,600
Interior Architecture	\$374,900	
Electrical		\$53,200
Mechanical		\$178,000
Total	\$844,700	\$356,800
Importance Code A	\$469,800	\$125,600
Importance Code B	\$216,900	\$231,200
Importance Code C	\$158,000	
Total	\$844,700	\$356,800

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$42,300			
Interior Architecture	\$80,900		\$1,100	
Electrical	\$11,100			\$100
Mechanical	\$58,500	\$6,400	\$6,400	\$12,800
Total	\$192,900	\$6,400	\$7,500	\$12,900
Importance Code A	\$43,000	\$700	\$700	\$700
Importance Code B	\$127,000	\$5,700	\$6,900	\$12,300
Importance Code C	\$22,900			
Total	\$192,900	\$6,400	\$7,500	\$12,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 83
Asset # : 13069

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$18,200	
		<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Throughout</i>						
Masonry: Brick	73%	Now	\$299,900	LIFE	**	5	\$17,000	
		<i>Painted Surfaces, Extent : Moderate, Area Affected : 25%</i>						
		<i>Location : West Facade</i>						
		<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : North Facade, Gymnasium In Basement</i>						
Masonry: Granite	2%			LIFE	**	5	\$700	
Masonry: Limestone	10%			LIFE	**	5	\$3,500	
Wood Overhead Doors	10%			2038	**	5	\$11,600	
Windows								
Aluminum	100%	Now	\$17,000	2041	**	5	\$600	
		<i>Air Infiltration, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Throughout</i>						
		<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Throughout</i>						
		<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Throughout</i>						
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5-10	\$3,200	
Masonry: Brick	80%			LIFE	**	5-10	\$12,400	
Masonry: Limestone	5%			LIFE	**	5-10	\$1,400	
Stucco Cement	10%			2038	**	5	\$600	
Roof								
Modified Bitumen	95%			2033	\$125,600	10	\$10,700	
		<i>Debris Present, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Over Kitchen</i>						
		<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>						
		<i>Location : Lower Roof Area</i>						
Skylight, Metal/Glass	5%	Now	\$169,900	2063	**			
		<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>						
		<i>Location : Main Roof</i>						
		<i>Deformed/Dented, Extent : Moderate, Area Affected : 50%</i>						
		<i>Location : Main Roof</i>						
		<i>Glazing Clouded, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Main Roof</i>						
		<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Main Roof</i>						
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 83
Asset # : 13069

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$24,600	
Ceramic Tile	5%	Now	\$6,800	2042	**	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Bathrooms</i>								
Quarry Tile	5%			2038	**	5	\$800	
Vinyl Tile	40%			2038	**	3	\$1,700	
Interior Walls								
Ceramic Tile	20%	Now	\$18,300	2036	**	5	\$1,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
Masonry: Brick	25%	Now	\$158,000	LIFE	**			
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Plaster	55%			LIFE	**	5-10	\$7,200	
Ceilings								
AcousTileSusp.Lay-In	10%			2046	**	5	\$1,100	
Embossed Metal	30%	Now	\$32,700	LIFE	**	5	\$1,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Floor</i>								
<i>Deformed/Dented, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Floor</i>								
Exposed Struc: Concrete	20%	Now	\$216,900	LIFE	**	5	\$400	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Steel Beams In Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<i>Explanation : Support Columns In Use To Support Apparatus Floor</i>								
Gypsum Board	10%			LIFE	**	5-10	\$3,900	
Plaster	30%			LIFE	**	5-10	\$5,800	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2043	**			
Free Standing Walls								
Concrete Masonry Unit	100%			2053	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2038	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 83
Asset # : 13069

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%			2046		**		
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Parking/Driveway

Asphalt	60%			2036		**		
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Cast in Place Concrete	40%			2038		**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2033	\$16,200	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One Main Service Switch Rated At 200 Amperes*

Raceway

Conduit	100%			2033	\$39,500	1		
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Panelboards

Molded Case Bkrs	100%			2032	\$53,200	5	\$200	
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Wiring

Thermoplastic	100%			2033	\$35,700	1		
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Ground

Grounding Devices

Generic	100%	4+	\$11,100	LIFE		**	5	\$100
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement Near Water Main Service**Explanation : Corroded*

Lighting

Interior Lighting

Fluorescent	94%			2038		**	10	\$5,700
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout The Building**Explanation : T-8 Lamps*

Incandescent	4%			2033	\$3,500	2		
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LED	2%			2041		**		
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Exterior Lighting

HID	16%			2033	\$5,300	10		
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LED	4%			2041		**		
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No Component	80%							
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Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 83
Asset # : 13069

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Steam Boiler	100%			2046	**	1	\$6,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Natural Gasoline Fired Steam Boiler</i>								
Distribution								
Steam Piping/Pump	100%			2043	**			
Terminal Devices								
Convactor/Radiator	100%			2038	**	1	\$2,100	
Air Conditioning								
Energy Source								
Electricity	100%			2041	**	1		
Conversion Equipment								
Split Unit	25%	Now	\$41,900	2043	**			
<i>Abandoned in Place, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Roof And 2nd Floor</i>								
Split Unit	10%			2038	**			
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Kitchen</i>								
Window/Wall Unit	40%			2028		1	\$10,700	
No Component	25%							
Ventilation								
Exhaust Fans								
Roof	100%	Now	\$1,400	2038	**	2	\$200	
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Toilet Rooms</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2033		1	\$90,600	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Low Water Pressure At 2nd Floor Bathroom</i>								
Water Heater With Tanks								
Gas Fired	100%			2031		2	\$36,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 83
Asset # : 13069

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Storm Drain Piping Cast Iron	100%	0-2	\$2,500	LIFE	**	1		
			<i>Blockage /Clogged, Extent : Moderate, Area Affected : 50%</i>					
			<i>Location : Apparatus Room</i>					
			<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Occasional Flooding At Basement During Heavy Rain</i>					
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2028	\$87,500	1-3	\$80,900	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 84
Address : 513 WEST 161st STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.084 / 13070 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 11,792 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-Feb-2019 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Floors 1,2,3
Block : 2120 **Lot** : 46 **BIN** : 1062872

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$51,100	
Mechanical	\$1,700	\$85,700
Total	\$52,900	\$85,700
Importance Code A	\$51,100	
Importance Code B	\$1,700	\$85,700
Total	\$52,900	\$85,700

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$30,500	\$200		
Interior Architecture	\$42,700			\$1,000
Electrical	\$45,100			
Mechanical	\$17,300	\$120,000	\$8,800	\$7,200
Site Pavements	\$2,000			
Total	\$137,700	\$120,200	\$8,900	\$8,200
Importance Code A	\$41,500	\$1,400	\$1,200	\$1,200
Importance Code B	\$91,700	\$118,900	\$7,700	\$7,000
Importance Code C	\$4,400			
Total	\$137,700	\$120,200	\$8,900	\$8,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 84
Asset # : 13070

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	60%			LIFE	**	5	\$8,100	
Masonry: Limestone	30%	Now	\$51,100	LIFE	**	5	\$3,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Adjacent To Overhead Doors</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Street Facade</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Front Facade At 1st Floor</i>								
Wood Overhead Doors	10%			2028	\$41,400	5	\$6,700	
Windows								
Aluminum	100%	Now	\$3,400	2046	**	5	\$200	
<i>Crack/Balnc Not Funct, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
Parapets								
Masonry: Brick	60%			LIFE	**	5	\$1,000	
Masonry: Limestone	25%			LIFE	**	5	\$500	
Metal Panel	5%			2050	**	5	\$300	
Stucco Cement	10%	Now	\$5,800	2050	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Located Behind Front Facade</i>								
Roof								
Skylight, Metal/Glass	10%	Now	\$21,300	2040	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Skylight Over Stairwell</i>								
Not Accessible	90%							
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$17,900	LIFE	**	5	\$21,500	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Epoxy Paint Finish At Apparatus Floor</i>								
Ceramic Tile	5%			2039	**	5	\$1,000	
Vinyl Tile	40%	Now	\$4,700	2035	**	3	\$2,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor</i>								
Wood	5%			2058	**	5	\$1,800	
Interior Walls								
Ceramic Tile	5%			2039	**	5	\$900	
Masonry: Brick	20%			LIFE	**			
Plaster	40%	Now	\$3,900	LIFE	**	5	\$2,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Hose Drying Rack And Bulkhead At Roof Level</i>								
SGFT/Glazed Masonry	35%			LIFE	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 84
Asset # : 13070

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileSusp.Lay-In	5%			2043	**	5	\$1,000
Embossed Metal	30%	4+	\$9,500	LIFE	**	5	\$2,700

Broken/Missing Elements, Extent : Moderate, Area Affected : 10%
Location : Over Apparatus Areas

Exposed Struc: Concrete	20%			LIFE	**	5	\$600
Plaster	45%	Now	\$5,800	LIFE	**	5	\$5,500

Cracking/Crumbling, Extent : Moderate, Area Affected : 2%
Location : Skylight In Stairwell
Paint Peeling, Extent : Moderate, Area Affected : 10%
Location : Throughout Third Floor
Water Penetration, Extent : Moderate, Area Affected : 5%
Location : 3rd Floor Gymnasium

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%	Now	\$2,000	2035	**		
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Cracking/Crumbling, Extent : Moderate, Area Affected : 15%
Location : Ladder Side Of Sidewalk

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2030	\$16,200	5	\$100
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Other Observation, Extent : Light, Area Affected : 100%
Location : Basement
Explanation : 200 Amperes

Raceway

Conduit	100%			2040	**	1	
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Panelboards

Molded Case Bkrs	20%			2046	**	5	\$100
Molded Case Bkrs	80%	0-2	\$42,600	2055	**	5	\$100

On Extended Life, Extent : Moderate, Area Affected : 100%
Location : Throughout The Building

Wiring

Thermoplastic	100%			2040	**	1	
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Motor Controllers

Locally Mounted	13%	Now	\$2,500	2028	\$2,500	5	
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Other Observation, Extent : Moderate, Area Affected : 100%
Location : Apparatus Floor
Explanation : Overhead Door Operator Repeated Fails

Locally Mounted	87%			2028	\$17,000	5	\$100
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 84
Asset # : 13070

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting LED	100%			2035	**			
Exterior Lighting HID	50%			2035	**	10		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Perimeter</i>						
		<i>Explanation : Operated Via Timer</i>						
No Component	50%							
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	100%			2050	**	1		
Conversion Equipment Steam Boiler	100%	4+	\$11,000	2043	**	1	\$10,500	
		<i>Malfunctioning, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Boiler Overfilling And Must Be Manually Drained.</i>						
Distribution Steam Piping/Pump	100%			2040	**			
Terminal Devices Convactor/Radiator	100%			2035	**	1	\$3,800	
Air Conditioning								
Energy Source Electricity	100%			2046	**	1		
Conversion Equipment Exterior Pkg Unit - Cooling	20%			2030	\$27,700	2	\$100	
Window/Wall Unit	80%			2025	\$38,300	1		
Distribution Ductwork/Diffusers	20%			LIFE	**	2	\$3,100	
No Component	80%							
Ventilation								
Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,600	
Exhaust Fans Interior	80%			2025	\$44,800	2	\$300	
Roof	20%			2025	\$4,900	2	\$100	
Plumbing								
H/C Water Piping Brass/Copper	100%			2050	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 84
Asset # : 13070

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater With Tanks							
	Gas Fired	100%			2025	\$18,300	2	
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Two 75 Gallon Units</i>					
<hr/>								
	Sanitary Piping							
	Cast Iron	50%			LIFE	**	1	
	Cast Iron	50%			LIFE	**	1	
<hr/>								
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
<hr/>								
	Sump Pump(s)							
	Submersible	50%			2024	\$200	4	\$200
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : Serves 1 Side Of Basement Only</i>					
<hr/>								
	No Component	50%						
<hr/>								
	Backflow Preventer							
	Generic	100%			2035	**	1	\$700
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : Piped From Basement Up To 1st Floor</i>					
<hr/>								
	Fixtures							
	Generic	100%						
<hr/>								
Fire Suppression								
	Chemical System							
	Generic	98%			2028	\$85,700	1-3	\$72,900
	Generic	2%			2025	\$1,700	1-3	\$1,500

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 88
Address : 2223 BELMONT AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.088 / 13071 **Yr Built/Renovated** : 1908 /
Area Sq Ft : 12,600 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Feb-2019 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3086 **Lot** : 38 **BIN** : 2086781

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture		\$104,900
Interior Architecture	\$138,000	\$402,200
Electrical		\$170,400
Mechanical		\$199,200
Total	\$138,000	\$876,600
Importance Code A		\$104,900
Importance Code B	\$138,000	\$601,700
Importance Code C		\$170,100
Total	\$138,000	\$876,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$29,600	\$700	\$21,900	
Interior Architecture	\$49,400	\$1,900		\$400
Electrical	\$10,300	\$200		
Mechanical	\$9,200	\$30,900	\$1,900	\$2,000
Total	\$98,500	\$33,700	\$23,700	\$2,300
Importance Code A	\$30,700	\$1,800	\$23,000	\$1,100
Importance Code B	\$58,400	\$31,800	\$800	\$1,200
Importance Code C	\$9,400			
Total	\$98,500	\$33,700	\$23,700	\$2,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 88
Asset # : 13071

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$30,500	
Masonry: Granite	3%			LIFE	**	5	\$900	
Masonry: Limestone	10%			LIFE	**	5	\$2,900	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Facade, 3rd Floor.</i>								
Metal Sect. OHD	7%			2043	**	5	\$8,300	
Windows								
Aluminum	100%			2046	**	5	\$3,500	
Parapets								
Masonry: Brick	80%	Now	\$29,600	LIFE	**	5	\$2,400	
<i>Spalling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Main Roof</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Main Roof</i>								
Masonry: Limestone	20%			LIFE	**	5	\$800	
<i>Staining/Discoloring, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
Roof								
Asphalt Shingle	5%			2033			\$100	
Copper/Terne	2%			2045	**	10	\$700	
Modified Bitumen	70%			2030			\$9,800	
Roll Roofing	20%			2026			\$4,700	
Skylight, Metal/Glass	3%			2040	**	10	\$1,400	
Interior								
Floors								
Cast in Place Concrete	40%	2-4	\$31,300	LIFE	**	5	\$16,500	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	15%			2033			\$2,800	
Vinyl Tile	15%			2030			\$1,400	
Wood	30%			2058	**	5	\$10,600	
Interior Walls								
Ceramic Tile	10%			2033			\$3,200	
Gypsum Board	15%			LIFE	**	5	\$2,800	
Masonry: Brick	20%			LIFE	**			
Marble Panels	20%			LIFE	**			
Plaster	25%	Now	\$9,400	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Hose Tower</i>								
SGFT/Glazed Masonry	10%			LIFE	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 88
Asset # : 13071

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileSusp.Lay-In	20%			2035	**	5	\$3,800	
Embossed Metal	30%	0-2	\$8,300	LIFE	**	5	\$2,500	

Bent/Warped Elements, Extent : Moderate, Area Affected : 10%

Location : Apparatus

Broken/Missing Elements, Extent : Light, Area Affected : 15%

Location : Apparatus Floor And Hose Tower

Exposed Struc: Concrete	25%	Now	\$138,000	LIFE	**	5	\$700	
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Corrosion/Rusting, Extent : Severe, Area Affected : 15%

Location : Concrete Missing, Exposing Beams In Basement Ceiling, Shoring Erected Throughout.

Paint Peeling, Extent : Severe, Area Affected : 60%

Location : Basement.

Spalling, Extent : Severe, Area Affected : 15%

Location : Basement Ceiling Under Jack Hoists

Other Observation, Extent : Severe, Area Affected : 100%

Location : Basement.

Explanation : Structurally Insufficient

Plaster	25%			LIFE	**	5	\$2,900	
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2043	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2030	\$14,700	5	\$100	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : Main Service Disconnect Switch Rated At 100 Amperes.

Switchgear / Switchboard

Molded Case Bkrs	100%			2030	\$63,500	5	\$300	
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Raceway

Conduit	100%			2030	\$36,000	1		
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Panelboards

Fused Disc Sw	10%			2029	\$4,800	5		
Molded Case Bkrs	40%			2038	**	5	\$100	
Molded Case Bkrs	50%			2029	\$24,200	5	\$200	

Wiring

Thermoplastic	100%			2030	\$32,500	1		
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Motor Controllers

Locally Mounted	100%			2028	\$17,800	5	\$100	
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Ground

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FIRE DEPARTMENT - 057
ENGINE CO. 88
Asset # : 13071

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Ground

Grounding Devices
Generic

100%	Now	\$10,200	LIFE	**	5	\$200		
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Ground Wire Is Corroded And Not Connected To Water Pipe</i>								

Lighting

Interior Lighting
Fluorescent

100%			2030	\$106,900	10	\$11,600		
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								

Exterior Lighting

HID

20%			2030	\$11,500	10		
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No Component

80%

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%			2040	**	1		
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Conversion Equipment

Furnace

25%			2030	\$9,600	1	\$1,600		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Engine Bays</i>								
<i>Explanation : 3 Gas Fired Unit Heaters</i>								

Steam Boiler

75%			2035	**	1	\$9,400	
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Distribution

Steam Piping/Pump

100%			2030	\$98,500			
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Terminal Devices

Convactor/Radiator

100%			2028	\$100,600	1	\$4,100	
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Air Conditioning

Energy Source

Electricity

100%			2038	**	1		
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Conversion Equipment

Split Unit

10%	0-2	\$2,900	2035	**				
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2nd Floor Bunk Room</i>								
<i>Explanation : 1 Inefficient Unit. R-410a</i>								

Window/Wall Unit

60%			2025	\$28,000	1		
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No Component

30%

Terminal Devices

Fan Coil - 2 Pipe

10%			2035	**	1	\$400	
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No Component

90%

Heat Rejection

Dry Cooler

10%			2035	**	2	\$900	
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No Component

90%

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FIRE DEPARTMENT - 057
ENGINE CO. 88
Asset # : 13071

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation									
Distribution									
	Ductwork/Diffusers	20%			LIFE	* *	2-5	\$1,400	
	No Component	80%							
Exhaust Fans									
	Roof	10%			2030	\$2,400	2		
	Roof	10%	0-2	\$2,400	2040	* *	2		
				<i>Obsolete Equipment, Extent : Moderate, Area Affected : 100%</i>					
				<i>Location : Kitchen Exhaust Fan, Roof</i>					
				<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>					
				<i>Location : Rusted Kitchen Exhaust Fan</i>					
	Wall Unit	20%			2025	\$1,100	2	\$100	
	No Component	60%							
Plumbing									
H/C Water Piping									
	Brass/Copper	100%			2040	* *	1		
Water Heater With Tanks									
	Gas Fired	100%			2028	\$16,700	2		
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
				<i>Location : Basement</i>					
				<i>Explanation : Two 75 Gallon Units</i>					
Sanitary Piping									
	Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping									
	Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)									
	Submersible	100%			2024	\$400	4	\$400	
Fixtures									
	Generic	100%							
				<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>					
				<i>Location : 2nd And 3rd Floor Bathrooms</i>					
				<i>Explanation : Water Leaking From Shower Pans To The Lower Floors</i>					
Fire Suppression									
Chemical System									
	No Component	98%							
	Generic	2%			2024	\$1,600	1-3	\$1,600	

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 89/ LADDER CO. 50
Address : 2924 BRUCKNER BOULEVARD BTWN E. TREMONT AVE - EDISON AVE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.089 / 13072 **Yr Built/Renovated** : 1926 /
Area Sq Ft : 4,930 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Mar-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5419 **Lot** : 125 **BIN** : 2076433

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$38,700	\$2,300		
Interior Architecture	\$60,300	\$500	\$100	
Electrical			\$100	\$7,200
Mechanical	\$15,200	\$12,000	\$1,800	\$27,700
Site Pavements	\$4,300			
Total	\$118,600	\$14,700	\$2,000	\$34,900
Importance Code A	\$40,800	\$2,800	\$500	\$500
Importance Code B	\$44,000	\$12,000	\$1,300	\$34,400
Importance Code C	\$33,700		\$100	
Total	\$118,600	\$14,700	\$2,000	\$34,900



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 89/ LADDER CO. 50
Asset # : 13072

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	2%			2052	**	10	\$100	
Masonry: Brick	80%	Now	\$23,700	LIFE	**	5	\$14,700	
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : East And West Side</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : West Side</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 2%</i>								
<i>Location : West Facade At Exhaust Fan</i>								
Masonry: Granite	5%			LIFE	**	5	\$700	
Masonry: Limestone	5%			LIFE	**	5	\$700	
Metal Sect. OHD	8%			2045	**	5	\$4,600	
Windows								
Aluminum	95%	Now	\$4,100	2048	**	5	\$200	
<i>Air Infiltration, Extent : Severe, Area Affected : 2%</i>								
<i>Location : 2nd Floor Window In Engine Office</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Hardware Missing, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Louvers	5%	Now	\$800	2047	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : West Side</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : West Side</i>								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$2,000	
Masonry: Brick	75%	4+	\$5,900	LIFE	**	5	\$1,000	
<i>Diagonal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : North And West Side</i>								
<i>Spalling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Throughout Parapet Wall</i>								
Masonry: Limestone	5%			LIFE	**	5	\$100	
Roof								
Modified Bitumen	98%	Now	\$4,300	2037	**			
<i>Blisters, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Roof</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Roof</i>								
Skylight, Metal/Glass	2%			2052	**	10	\$500	

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 89/ LADDER CO. 50
Asset # : 13072

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	85%	Now	\$12,200	LIFE	**	5	\$16,100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor, Epoxy Cover In Ladder 50 2nd Floor Office</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement At New Columns, Sidewalk Belco Doors</i>								
Ceramic Tile	5%	0-2	\$500	2041	**	5	\$200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	5%			2037	**	3	\$200	
Wood	5%			2060	**	5	\$800	
Interior Walls								
Cast in Place Concrete	20%	0-2	\$14,700	LIFE	**			
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	3%			2041	**	5	\$300	
Concrete Masonry Unit	2%	Now	\$400	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Bunker Room</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bunker Room</i>								
Gypsum Board	10%			LIFE	**	5	\$600	
Marble Panels	5%			LIFE	**			
Plaster	30%	Now	\$1,400	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Roof Access</i>								
SGFT/Glazed Masonry	30%	4+	\$13,000	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 1st Floor</i>								
Ceilings								
AcousTileSusp.Lay-In	5%	4+	\$100	2045	**	5	\$200	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Exposed Struc: Concrete	5%	0-2	\$1,300	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement, Apparatus Area</i>								
Exposed Struc: Steel	25%			LIFE	**			
Plaster	65%	0-2	\$16,700	LIFE	**	5	\$3,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Engine Office 2nd Floor</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2042	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2045	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 89/ LADDER CO. 50
Asset # : 13072

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%	0-2	\$3,200	2045		**		
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*Cracking/Crumbling, Extent : Light, Area Affected : 20%**Location : Throughout*

Parking/Driveway

Cast in Place Concrete	100%	Now	\$1,100	2045		**		
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*Cracking/Crumbling, Extent : Severe, Area Affected : 20%**Location : Throughout Driveway*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2032	\$14,700	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 200 Ampere Main Disconnect Switch*

Raceway

Conduit	100%			2032	\$36,000	1		
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Panelboards

Fused Disc Sw	5%			2031	\$2,400	5		
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Molded Case Bkrs	95%			2031	\$46,000	5	\$100	
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Wiring

Thermoplastic	100%			2032	\$32,500	1		
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Motor Controllers

Locally Mounted	100%			2030	\$17,800	5		
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Ground

Grounding Devices

Generic	100%			LIFE		**	5	\$100
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Lighting

Interior Lighting

Fluorescent	60%			2037		**	10	\$2,700
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement And First Floor**Explanation : T-8 Lamps*

LED	40%			2040		**		
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Exterior Lighting

HID	20%			2027	\$4,500	10		
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No Component	80%							
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Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 89/ LADDER CO. 50
Asset # : 13072

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2052	**	1		
Conversion Equipment								
Steam Boiler	100%	Now	\$2,100	2037	**	1	\$4,400	
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Boiler</i>								
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Central Plant Steam Piping/Pmp	100%	Now	\$6,800	2052	**	4	\$200	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Terminal Devices								
Convactor/Radiator	100%	Now	\$800	2037	**	1	\$1,400	
<i>Leak Evident, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Storage Room, Locker Room</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2054	**	1		
Conversion Equipment								
Split Unit	20%			2037	**			
Window/Wall Unit	55%	Now	\$500	2025	\$10,000	1		
<i>Malfunctioning, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various. Three Window, Wall Units Are Not Working</i>								
No Component	25%							
Ventilation								
Exhaust Fans								
Interior	100%			2032	\$21,400	2	\$200	
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2037	**	1		
Water Heater With Tanks								
Gas Fired	100%	Now	\$300	2027	\$16,700	2		
<i>Malfunctioning, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 1%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallon Unit</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%	Now	\$300	LIFE	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement</i>								
<i>Explanation : Backs Up With A Heavy Rain</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 89/ LADDER CO. 50
Asset # : 13072

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sump Pump(s)							
	Submersible	100%			2025	\$100	4	\$200
Fixtures								
	Generic	100%						
<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Fire Suppression								
	Chemical System							
	Dry	10%	Now	\$3,200	2032	\$8,000	1-3	\$6,700
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Obsolete</i>								
	No Component	80%						
	Generic	10%			2027	\$8,000	1-3	\$8,100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 9/ LADDER CO. 6
Address : 75 CANAL STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.009 / 13008 **Yr Built/Renovated** : 1969 / 2008
Area Sq Ft : 6,413 **Project Type** : FIRE DEPARTMENT
Date of Survey : 19-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 300 **Lot** : 30 **BIN** : 1003898

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$146,900	\$123,600
Interior Architecture	\$368,900	\$57,700
Total	\$515,800	\$181,300
Importance Code A	\$146,900	\$123,600
Importance Code B	\$368,900	\$57,700
Total	\$515,800	\$181,300

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$63,200		\$7,800	
Interior Architecture	\$2,000	\$1,000	\$300	
Electrical	\$13,000		\$9,100	\$100
Mechanical	\$4,600	\$1,700	\$25,100	\$1,700
Site Pavements	\$6,500			
Total	\$89,300	\$2,700	\$42,300	\$1,800
Importance Code A	\$63,500	\$300	\$8,100	\$300
Importance Code B	\$25,800	\$2,000	\$34,200	\$1,500
Importance Code C		\$400		
Total	\$89,300	\$2,700	\$42,300	\$1,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 9/ LADDER CO. 6
Asset # : 13008

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	5%			LIFE	**	5	\$5,200	
Masonry: Brick Cavity	50%	Now	\$17,700	LIFE	**	5	\$10,400	
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Side Elevation</i>								
<i>Explanation : Door To Alley Broken And Unsecure</i>								
Metal Coiling Doors	5%			2044	**	5	\$3,300	
Metal: Cage/Fence	15%			2044	**	5	\$13,600	
Marble Panels	10%			LIFE	**	5	\$1,600	
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%</i>								
<i>Location : Adjacent To Overhead Door</i>								
Wood	15%			2036	**	5	\$15,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Addition, Extension At Rear Of Building</i>								
<i>Explanation : Wood Panel Walls</i>								
Windows								
Aluminum	100%	Now	\$62,700	2056	**	5	\$700	
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Hardware Missing, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Bunk Room</i>								
<i>Explanation : Thermally Inefficient</i>								
Parapets								
Metal Rail	100%	Now	\$84,200	2051	**	5	\$18,200	
<i>Loose/Miss Fasteners, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								
Roof								
Modified Bitumen	100%	Now	\$37,100	2031			\$123,600	
<i>Alligatoring, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Light, Area Affected : 20%</i>								
<i>Location : Lower Roof</i>								
Soffits								
Metal Panel	100%			2051	**	5-10		
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$11,700	
Ceramic Tile	5%			2040	**	5	\$500	
Terrazzo	5%			LIFE	**	5	\$400	
Vinyl Tile	20%			2031		3	\$800	
Vinyl Tile 9" X 9"	20%			2026		3	\$800	

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 9/ LADDER CO. 6
Asset # : 13008

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Ceramic Tile	5%			2040	**	5	\$800
Gypsum Board	25%			LIFE	**	5	\$2,500
Plaster	25%			LIFE	**	5	\$1,300

Patching Evident, Extent : Light, Area Affected : 1%

Location : 2nd Floor Locker Room Area

SGFT/Glazed Masonry	45%			LIFE	**		
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Ceilings

AcousTileSusp.Lay-In	5%	Now	\$1,700	2044	**	5	\$300
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Broken/Missing Elements, Extent : Moderate, Area Affected : 40%

Location : Basement

Water Penetration, Extent : Moderate, Area Affected : 10%

Location : Basement

AcousTileSusp.Lay-In	5%			2044	**	5	\$500
Exposed Struc: Concrete	45%			LIFE	**	5	\$800
Gypsum Board	20%			LIFE	**	5	\$2,700
Plaster	25%			LIFE	**	5	\$1,700

Staining/Discoloring, Extent : Light, Area Affected : 15%

Location : Apparatus Floor Area

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%	Now	\$6,500	2044	**		
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Cracking/Crumbling, Extent : Severe, Area Affected : 20%

Location : Apron Entrance To Apparatus Area

On-Site Walkways

Cast in Place Concrete	100%			2036	**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2051	**	5	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : One 400 Ampere Main Disconnect Switch

Switchgear / Switchboard

Molded Case Bkrs	100%			2051	**	5	\$200
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Raceway

Conduit	80%			2031	\$28,800	1	
Conduit	20%			2051	**	1	

Panelboards

Fused Disc Sw	4%			2030	\$1,900	5	
Fused Disc Sw	1%			2047	**	5	
Molded Case Bkrs	85%			2047	**	5	\$100
Molded Case Bkrs	10%			2030	\$4,800	5	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 9/ LADDER CO. 6
Asset # : 13008

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Wiring								
Braided Cloth	40%	2-4	\$13,000	2056	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Insulation Aged</i>								
Thermoplastic	60%			2051	**	1		
Motor Controllers								
Locally Mounted	50%			2029	\$8,900	5		
Locally Mounted	50%			2044	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	5%			2026	\$2,700	10	\$300	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Waiting Room And Stairway</i>								
LED	95%			2039	**			
Egress Lighting								
Exit, Service	50%			2026	\$1,400	1		
Exit, Battery	50%			2026	\$4,400	10	\$200	
Exterior Lighting								
LED	20%			2036	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2051	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2044	**	1	\$3,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2030	\$13,700	4	\$300	
Terminal Devices								
Convactor/Radiator	80%			2029	\$41,000	1	\$1,700	
Unit Heater - Hot Water	20%			2039	**			
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Apparatus Room</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 9/ LADDER CO. 6
Asset # : 13008

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Exterior Pkg Unit - Cooling	15%			2026	\$10,300	2	\$100
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 1 Rooftop Unit</i>						
	Split Unit	10%			2031	\$14,900		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : 1 Unit</i>						
	Window/Wall Unit	45%	0-2	\$500	2026	\$10,700	1	
		<i>Malfunctioning, Extent : Moderate, Area Affected : 25%</i>						
		<i>Location : Various. Two Malfunctioning Window, Wall Unit</i>						
	No Component	30%						
Heat Rejection								
	Air Cooled Condenser Unit	80%			2031	\$10,200	2	\$3,600
	No Component	20%						
Ventilation								
Distribution								
	Ductwork/Diffusers	35%			LIFE	**	2-5	\$1,300
	No Component	65%						
Exhaust Fans								
	Roof	20%	Now	\$1,200	2031	\$2,400	2	
		<i>Noisy/Vibrating, Extent : Moderate, Area Affected : 30%</i>						
		<i>Location : Roof Exhaust Fan</i>						
		<i>Not in Service, Extent : Light, Area Affected : 50%</i>						
		<i>Location : Roof. Detective Belt And Burnt Motor</i>						
		<i>Other Observation, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : 2nd Floor Female Bathroom</i>						
		<i>Explanation : No Ventilation In 2nd Floor Female Bathroom</i>						
	Wall Unit	10%	Now	\$300	2026	\$300	2	
		<i>Malfunctioning, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Kitchen. Malfunction Kitchen Exhaust Fan</i>						
	No Component	70%						
Plumbing								
H/C Water Piping								
	Galvanized Steel	100%			2036	**	1	
Water Heater With Tanks								
	Gas Fired	100%			2029	\$16,700	2	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Boiler Room</i>						
		<i>Explanation : 2 Units 74 Gallon</i>						
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 9/ LADDER CO. 6
Asset # : 13008

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%	Now	\$1,500	2026	\$1,500	4	\$100
			<i>Unit Inoperable, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
Fixtures								
	Generic	90%						
	Generic	10%						
			<i>Leaking Faucets/Valves/Heads, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : 2nd Floor Slop Sink Leaking</i>					
Fire Suppression								
	Chemical System							
	Wet	10%			2029	\$8,000	1-3	\$8,300
	No Component	90%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 90/ LADDER CO. 41
Address : 1843 WHITE PLAINS ROAD
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.090 / 13073 **Yr Built/Renovated** : 1909 / 2003
Area Sq Ft : 12,520 **Project Type** : FIRE DEPARTMENT
Date of Survey : 29-Mar-2019 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 4049 **Lot** : 49 **BIN** : 2043470

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$83,400	
Interior Architecture	\$55,100	
Electrical		\$127,000
Total	\$138,500	\$127,000
Importance Code A	\$83,400	\$63,500
Importance Code B		\$63,500
Importance Code C	\$55,100	
Total	\$138,500	\$127,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$39,200		\$200	\$1,400
Interior Architecture	\$63,700	\$900		\$1,100
Electrical	\$16,200	\$17,300	\$100	
Mechanical	\$19,900	\$18,800	\$2,000	\$1,600
Total	\$139,000	\$37,100	\$2,300	\$4,000
Importance Code A	\$40,400	\$1,300	\$1,400	\$2,500
Importance Code B	\$59,100	\$35,700	\$900	\$1,500
Importance Code C	\$39,600			
Total	\$139,000	\$37,100	\$2,300	\$4,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
ENGINE CO. 90/ LADDER CO. 41
Asset # : 13073

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	65%			LIFE	**	5	\$23,700	
Masonry: Granite	7%			LIFE	**	5	\$1,900	
Masonry: Limestone	7%	4+	\$39,200	LIFE	**	5	\$1,900	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Facades</i>								
Masonry: Limestone	8%			LIFE	**	5	\$2,200	
Stucco Cement	3%			2047	**	5	\$2,700	
Wood Overhead Doors	10%			2043	**	5	\$18,200	
Windows								
Aluminum	100%	Now	\$83,400	2038	**	5	\$1,500	
<i>Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Classrooms</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Classrooms</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,700	
Masonry: Brick	85%			LIFE	**	5	\$1,800	
Metal Panel	5%			2056	**	5	\$400	
Roof								
Asphalt Shingle	10%			2033	\$8,000	10	\$300	
Modified Bitumen	85%			2038	**	10	\$12,800	
Skylight, Metal/Glass	5%			2040	**	10	\$2,500	
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$16,400	
Ceramic Tile	10%			2043	**	5	\$1,900	
Terrazzo	5%			LIFE	**	5	\$700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Terrazzo On Stair Treads</i>								
Vinyl Tile	45%	4+	\$11,400	2035	**	3	\$3,200	
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 90/ LADDER CO. 41
Asset # : 13073

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Interior Walls

Ceramic Tile	5%			2043	**	5	\$1,300	
Gypsum Board	15%			LIFE	**	5	\$2,300	
Plaster	45%	Now	\$55,100	LIFE	**	5	\$3,500	

Cracking/Crumbling, Extent : Severe, Area Affected : 40%

Location : 2nd And 3rd Floor By Storm Drain Leader Located At Front Of Building, 2nd Floor Bunker Rooms

Water Penetration, Extent : Severe, Area Affected : 5%

Location : Both Exercise Rooms

SGFT/Glazed Masonry	35%	Now	\$39,600	LIFE	**			
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Broken/Missing Elements, Extent : Moderate, Area Affected : 10%

Location : Apparatus Floor

Worn/Eroded, Extent : Light, Area Affected : 5%

Location : Apparatus Floor

Ceilings

AcousTileSusp.Lay-In	10%			2035	**	5	\$1,900	
Embossed Metal	30%			LIFE	**	5	\$2,500	
Exposed Struc: Concrete	30%			LIFE	**	5	\$900	
Gypsum Board	10%	0-2	\$1,600	LIFE	**	5	\$2,300	

Cracking/Crumbling, Extent : Moderate, Area Affected : 10%

Location : 1st Floor Dining Room

Water Penetration, Extent : Moderate, Area Affected : 10%

Location : 1st Floor Dining Room

Plaster	20%	Now	\$11,100	LIFE	**	5	\$2,300	
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Cracking/Crumbling, Extent : Severe, Area Affected : 20%

Location : All Three Floors By Storm Drain Leader Located At Front Of Building

Paint Peeling, Extent : Severe, Area Affected : 10%

Location : Dormitory, Locker Room.

Water Penetration, Extent : Severe, Area Affected : 5%

Location : 2nd And 3rd Floor By Storm Drain Leader Located At Front Of Building

Site Enclosure

Fence/Gates

Iron Picket	100%			2065	**			
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2043	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2030	\$63,500	5	\$300	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : No Available Nameplate Rating Capacity

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 90/ LADDER CO. 41
Asset # : 13073

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2030	\$63,500	5	\$300	
Raceway								
Conduit	80%			2030	\$28,800	1		
Conduit	20%			2050	**	1		
Panelboards								
Molded Case Bkrs	80%			2046	**	5	\$300	
Molded Case Bkrs	20%	2-4	\$9,700	2055	**	5		
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
Wiring								
Braided Cloth	20%	2-4	\$6,500	2055	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
Thermoplastic	80%			2050	**	1		
Lighting								
Interior Lighting								
Fluorescent	98%			2035	**	10	\$11,300	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
LED	2%			2038	**			
Exterior Lighting								
HID	10%			2025	\$5,700	10		
No Component	90%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2050	**	1		
Conversion Equipment								
Furnace	10%			2035	**	1	\$600	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : 1 Package Unit</i>								
Steam Boiler	90%			2043	**	1	\$11,200	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 90/ LADDER CO. 41
Asset # : 13073

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Steam Piping/Pump	90%	0-2	\$1,800	2040	**			
<i>Corroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At Front Right Corner Of Basement</i>								
No Component	10%							
Terminal Devices								
Convactor/Radiator	90%	0-2	\$1,800	2035	**	1	\$3,300	
<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor Locker Room</i>								
No Component	10%							
Air Conditioning								
Energy Source								
Electricity	100%			2038	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	10%			2035	**	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Serves Kitchen Area Only</i>								
<i>Explanation : R-410a Refrigerant</i>								
Window/Wall Unit	30%			2025	\$13,900	1		
Window/Wall Unit	30%	0-2	\$8,300	2030	\$13,900	1		
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Inefficient Units, Various Locations</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bunker Room</i>								
<i>Explanation : Under Sized Unit</i>								
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	35%			LIFE	**	2-5	\$2,400	
No Component	65%							
Exhaust Fans								
Interior	20%			2035	**	2	\$100	
Roof	15%			2030	\$3,600	2	\$100	
Wall Unit	20%	0-2	\$1,100	2040	**	2	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Obsolete Unit</i>								
No Component	45%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2050	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 90/ LADDER CO. 41
Asset # : 13073

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Water Heater With Tanks Gas Fired	100%			2030	\$16,700	2		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 New 75 Gallon Units</i>								
Sanitary Piping Cast Iron	100%	0-2	\$3,100	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement And 1st Floor</i>								
Storm Drain Piping Cast Iron	100%	0-2	\$2,200	LIFE	**	1		
<i>Leak Evident, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Front Corners Of The Roof</i>								
Sump Pump(s) Non-Submersible	100%	0-2	\$500	2025	\$2,400	4	\$300	
<i>Corroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 1 Of 2 Housings, Basement</i>								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System No Component Generic	99%			2025	\$800	1-3	\$700	
<i>1%</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 91
Address : 240-244 EAST 111th STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.091 / 13074 **Yr Built/Renovated** : 1912 /
Area Sq Ft : 12,298 **Project Type** : FIRE DEPARTMENT
Date of Survey : 12-Feb-2019 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1660 **Lot** : 30 **BIN** : 1052473

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$72,500	
Interior Architecture	\$139,700	
Electrical		\$83,500
Mechanical	\$71,300	
Total	\$283,500	\$83,500
Importance Code A	\$72,500	
Importance Code B	\$211,000	\$83,500
Total	\$283,500	\$83,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$23,700			
Interior Architecture	\$136,100			\$1,000
Electrical	\$6,700	\$28,200	\$100	\$200
Mechanical	\$45,700	\$15,500	\$3,700	\$1,600
Total	\$212,200	\$43,700	\$3,800	\$2,800
Importance Code A	\$25,200	\$1,200	\$1,200	\$1,200
Importance Code B	\$126,600	\$42,500	\$2,600	\$1,500
Importance Code C	\$60,300			
Total	\$212,200	\$43,700	\$3,800	\$2,800



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FIRE DEPARTMENT - 057
ENGINE CO. 91
Asset # : 13074

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Concrete Masonry Unit	2%	Now	\$1,400	LIFE	**	5	\$200	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Court Yard</i>								
Masonry: Brick	53%			LIFE	**	5	\$7,200	
Masonry: Limestone	10%			LIFE	**	5	\$1,000	
<i>Staining/Discoloring, Extent : Light, Area Affected : 15%</i>								
<i>Location : Front Facade Above 3rd Floor</i>								
Stucco Cement	5%	Now	\$1,900	2035	**	5	\$800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bulkhead Roof Access</i>								
Wood Overhead Doors	30%	Now	\$11,400	2043	**	5	\$10,200	
<i>Dry Rot/Decay, Extent : Light, Area Affected : 5%</i>								
<i>Location : East 111th Street Side</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : East 111th Street Side</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Left Door Has Trouble Opening</i>								
Windows								
Aluminum	100%	0-2	\$3,100	2038	**	5	\$200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 1st Floor Apparatus Room</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$2,600	LIFE	**	5	\$1,100	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Various Locations</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
Masonry: Brick	90%	0-2	\$3,200	LIFE	**	5	\$1,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Various Locations</i>								
<i>Efflorescence, Extent : Light, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 91
Asset # : 13074

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Built-Up (BUR)	100%	Now	\$72,500	2035	**			1
<i>Drains Clogged, Extent : Moderate, Area Affected : 25%</i> <i>Location : Various Locations</i> <i>Grvl/Blst Miss/Disp, Extent : Light, Area Affected : 15%</i> <i>Location : Various Locations</i> <i>Ponding, Extent : Moderate, Area Affected : 15%</i> <i>Location : Near Roof Drains</i> <i>Water Penetration, Extent : Severe, Area Affected : 80%</i> <i>Location : Third Floor At Bulkhead, Second Floor Extension To 240 And Kitchen</i> <i>Other Observation, Extent : Light, Area Affected : 90%</i> <i>Location : Throughout Upper And Lower Roofs</i> <i>Explanation : Unable To View Due To Snow Coverage</i>								
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$66,500	LIFE	**	5	\$17,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i> <i>Location : Apparatus Room Floor</i> <i>Other Observation, Extent : Severe, Area Affected : 70%</i> <i>Location : Apparatus Room</i> <i>Explanation : Structurally Insufficient</i>								
Ceramic Tile	10%	Now	\$5,500	2039	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i> <i>Location : Toilets And Showers Throughout</i> <i>Worn/Eroded, Extent : Moderate, Area Affected : 70%</i> <i>Location : Toilets And Showers Throughout</i>								
Quarry Tile	10%	Now	\$7,200	2043	**	5	\$1,500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i> <i>Location : Kitchen</i> <i>Worn/Eroded, Extent : Light, Area Affected : 75%</i> <i>Location : Kitchen</i>								
Vinyl Tile	40%	Now	\$21,600	2035	**	3	\$3,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i> <i>Location : 2nd And 3rd Floor</i> <i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i> <i>Location : 2nd And 3rd Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 91
Asset # : 13074

Architecture	Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	10%	Now	\$2,100	2039	**	5	\$1,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Gypsum Board	10%	Now	\$500	LIFE	**	5	\$1,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Gymnasium</i>								
Masonry: Brick	25%	Now	\$46,100	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 75%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Basement</i>								
Plaster	30%	Now	\$2,800	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Various Locations On 2nd And 3rd Floors</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 40%</i>								
<i>Location : Various Locations On 2nd And 3rd Floors</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Rear Wall Of 240 Is Now Vacant</i>								
SGFT/Glazed Masonry	25%	Now	\$8,700	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Room</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 91
Asset # : 13074

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	1%	Now	\$100	2043	**	5	\$100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 85%</i>								
<i>Location : Pantry</i>								
Exposed Struc: Concrete	25%	Now	\$73,200	LIFE	**	5	\$800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Structurally Insufficient</i>								
Gypsum Board	10%	Now	\$3,400	LIFE	**	5	\$2,500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i>								
<i>Location : 2nd Floor Corridor</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Toilets</i>								
Plaster	64%	Now	\$38,000	LIFE	**	5	\$8,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 3rd Floor</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 3rd Floor</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2043	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Along 111th Street</i>								
<i>Explanation : Unable To View Due To Snow Coverage</i>								
On-Site Walkways								
Cast in Place Concrete	100%			2043	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Court Yard</i>								
<i>Explanation : Unable To View Due To Snow Coverage</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2043	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Along 111th Street</i>								
<i>Explanation : Unable To View Due To Snow Coverage</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 91
Asset # : 13074

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%	4+	\$300	2040	**	5		
<i>Enclosure Damaged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement Of 240 East 111th Street</i>								
Raceway								
Conduit	100%			2030	\$36,000	1		
Panelboards								
Molded Case Bkrs	100%			2029	\$48,500	5	\$300	
<i>Obsolete Equipment, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout Firehouse</i>								
Wiring								
Thermoplastic	100%			2030	\$32,500	1		
Motor Controllers								
Locally Mounted	100%			2028	\$17,800	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	80%			2030	\$83,500	10	\$9,000	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
LED	20%			2035	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : LED Observed In Apparatus Area</i>								
Egress Lighting								
Exit, Battery	50%			2030	\$8,500	10	\$400	
No Component	50%							
Exterior Lighting								
HID	50%			2025	\$28,000	10		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside Perimeter</i>								
<i>Explanation : Operated Via Timer</i>								
No Component	50%							
Alarm								
Fire/Smoke Detection								
No Component	80%							
Generic, Analog	20%	0-2	\$6,200	2040	**	1-3	\$1,400	
<i>Local/Battery Operated Detect, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Heating

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 91
Asset # : 13074

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	70%	2-4	\$1,100	2040	**	1		
			<i>Corroded, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Gas Meter Valve Rig</i>					
Natural Gas	30%			2040	**	1		
Conversion Equipment								
Steam Boiler	100%			2043	**	1	\$12,200	
			<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
Distribution								
Steam Piping/Pump	100%	2-4	\$4,800	2040	**			
			<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
Terminal Devices								
Convactor/Radiator	90%	2-4	\$4,400	2035	**	1	\$3,200	
			<i>Damaged, Extent : Light, Area Affected : 30%</i>					
			<i>Location : Radiator Covers</i>					
Unit Heater - Steam	10%			2030	\$6,800	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		
Conversion Equipment								
Split Unit	25%			2025	\$71,300			
Window/Wall Unit	25%	4+	\$1,100	2025	\$11,400	1		
			<i>On Extended Life, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Various Locations Throughout</i>					
No Component	50%							
Distribution								
Ductwork/Diffusers	25%			LIFE	**	2	\$4,000	
No Component	75%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,900	
Exhaust Fans								
Interior	50%	Now	\$5,300	2030	\$26,600	2	\$200	
			<i>Not in Service, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Locker Room Exhaust At 3rd Floor</i>					
			<i>Other Observation, Extent : Light, Area Affected : 10%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : No Kitchen Hood System</i>					
Roof	50%	Now	\$11,700	2040	**	2	\$200	
			<i>Not in Service, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Bedroom Exhausts At 2nd Floor Roof.</i>					
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2035	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 91
Asset # : 13074

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Water Heater With Tanks							
	Gas Fired	100%			2029	\$16,700	2	
				<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : One 75 Gallon Unit</i>				
	Sanitary Piping							
	Cast Iron	100%	2-4	\$7,600	LIFE	**	1	
				<i>Corroded, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Waste Line In Building 240 Basement</i>				
	Storm Drain Piping							
	Cast Iron	100%	2-4	\$8,500	LIFE	**	1	
				<i>Corroded, Extent : Moderate, Area Affected : 30%</i>				
				<i>Location : Basement</i>				
	Sump Pump(s)							
	Non-Submersible	100%			2025	\$2,400	4	\$400
				<i>Other Observation, Extent : Severe, Area Affected : 100%</i>				
				<i>Location : Throughout</i>				
				<i>Explanation : 1 Unit On Each Side</i>				
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2038	**	1	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : Serves Boiler Only</i>				
	Fixtures							
	Generic	100%						

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 92/ LADDER CO. 44
Address : 1259 MORRIS AVENUE BTWN: E.168 ST. - E.169 ST.
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.092 / 13075 **Yr Built/Renovated** : 1912 /
Area Sq Ft : 10,623 **Project Type** : FIRE DEPARTMENT
Date of Survey : 30-Oct-2019 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2450 **Lot** : 40 **BIN** : 2096490

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$403,800	
Interior Architecture		\$171,600
Electrical		\$83,800
Mechanical	\$79,700	\$178,300
Total	\$483,500	\$433,700
Importance Code A	\$403,800	\$55,100
Importance Code B	\$79,700	\$378,600
Total	\$483,500	\$433,700

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$39,900		\$13,200	
Interior Architecture	\$92,100	\$500	\$1,800	\$800
Electrical	\$34,400	\$1,300	\$1,500	\$1,500
Mechanical	\$44,000	\$6,700	\$17,000	\$7,400
Site Pavements	\$5,200			
Total	\$215,600	\$8,600	\$33,600	\$9,700
Importance Code A	\$40,400	\$500	\$13,700	\$500
Importance Code B	\$129,400	\$7,600	\$19,800	\$9,200
Importance Code C	\$45,800	\$500		
Total	\$215,600	\$8,600	\$33,600	\$9,700



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FIRE DEPARTMENT - 057
ENGINE CO. 92/ LADDER CO. 44
Asset # : 13075

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$216,200	LIFE	**	5	\$26,900	
<i>Painted Surfaces, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : South And West Facade</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : South Facade</i>								
Masonry: Granite	4%			LIFE	**	5	\$1,200	
Masonry: Limestone	10%	0-2	\$22,100	LIFE	**	5	\$2,900	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Street Facade</i>								
Metal Panel	5%			2041	**	5-10	\$13,200	
Weathering Steel	1%			LIFE	**	1		
Wood Overhead Doors	10%			2036	**	5	\$19,200	
Windows								
Aluminum	100%	Now	\$78,500	2047	**	5	\$1,400	
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$6,100	LIFE	**	5	\$2,100	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Cornice Joints Throughout Street Facade</i>								
Masonry: Brick	65%	Now	\$11,100	LIFE	**	5	\$1,800	
<i>Vegetation Growth, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Underside Of Coping</i>								
Metal Rail	15%	4+	\$500	2044	**	5	\$2,900	
<i>Loose/Miss Fasteners, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Parapet Guard Rail</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Parapet Guard Rail</i>								
No Component	10%							

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FIRE DEPARTMENT - 057
ENGINE CO. 92/ LADDER CO. 44
Asset # : 13075

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	100%	Now	\$109,100	2041	**			1
<i>Blisters, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor Roof</i>								
<i>Debris Present, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor Roof</i>								
<i>Drains Clogged, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Lower Roof</i>								
<i>Drains Inad/Misposn, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Ponding, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Main Roof</i>								
<i>Seams Open/Split, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Main Roof</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Third Floor Locker Room, Laundry, Gymnasium</i>								
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$26,400	LIFE	**	5	\$13,900	
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : At Waste/ Sewer Line Backup, Sidewalk Vault, And Hot Water Heater In Basement</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%			2034	**	5	\$800	
Quarry Tile	5%			2036	**	5	\$1,200	
Sheet Vinyl/Rubber	10%			2036	**	5	\$2,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Third Floor Gymnasium</i>								
<i>Explanation : Interlocking Rubber Tile</i>								
Vinyl Tile	40%	2-4	\$17,200	2031	\$171,600	3	\$2,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Second And Third Floors</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second And Third Floors</i>								
Interior Walls								
Ceramic Tile	5%			2040	**	5	\$1,100	
Gypsum Board	50%			LIFE	**	5	\$6,600	
Masonry: Brick	20%	0-2	\$40,700	LIFE	**			
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement Sidewalk Vaults</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Sidewalk Vault</i>								
Plaster	5%			LIFE	**	5	\$300	
SGFT/Glazed Masonry	20%			LIFE	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 92/ LADDER CO. 44
Asset # : 13075

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	30%	4+	\$1,500	2036	**	5	\$2,400	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen Area</i>								
Exposed Struc: Steel	25%			LIFE	**			
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Below Apparatus Floor</i>								
<i>Explanation : Actually Metal Decking</i>								
Gypsum Board	20%			LIFE	**	5	\$4,000	
Plaster	25%	Now	\$5,900	LIFE	**	5	\$2,500	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Third Floor Locker Room</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2051	**			
Retaining Walls								
Cast in Place Concrete	100%			2066	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			
On-Site Walkways								
Cast in Place Concrete	100%			2044	**			
Parking/Driveway								
Asphalt	100%	Now	\$5,200	2040	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Parking Lot</i>								
<i>Ponding, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Parking Lot</i>								
<i>Potholes, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Parking Lot</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2041	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 600 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2041	**	5	\$300	
Raceway								
Conduit	100%			2041	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 92/ LADDER CO. 44
Asset # : 13075

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Fused Disc Sw	20%			2039	**	5		
Molded Case Bkrs	80%			2039	**	5	\$200	
Wiring								
Thermoplastic	100%			2041	**	1		
Motor Controllers								
Locally Mounted	100%			2036	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	**	1	\$3,300	
Generators								
Diesel	100%			2034	**	1	\$4,100	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside Yard</i>					
			<i>Explanation : Emergency Generator Rated At 81 Kilovolt-amperes.</i>					
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$400	
Fuel Storage								
Main Tank	100%			2046	**	5		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Outside Yard</i>					
			<i>Explanation : 60 Gallons Rated Capacity</i>					
Lighting								
Interior Lighting								
Fluorescent	93%			2031	\$83,800	10	\$9,100	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
			<i>Explanation : T-8 Lamps</i>					
Fluorescent	5%	Now	\$1,800	2041	**			
			<i>Malfunctioning, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Stair Case</i>					
LED	2%			2039	**			
Egress Lighting								
Emergency, Service	40%			2031	\$2,600	1		
Emergency, Battery	10%	Now	\$1,700	2041	**			
			<i>Not Functioning, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Hallways</i>					
Exit, Service	50%	Now	\$700	2041	**	1		
			<i>Not Functioning, Extent : Severe, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
Exterior Lighting								
HID	20%			2031	\$9,700	10		
No Component	80%							

Alarm

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FIRE DEPARTMENT - 057
ENGINE CO. 92/ LADDER CO. 44
Asset # : 13075

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Fire/Smoke Detection
Generic, Analog

100%	Now	\$26,800	2041	**	1-3	\$5,900
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Not in Service, Extent : Severe, Area Affected : 100%
Location : Throughout The Building

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%			2051	**	1	
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Conversion Equipment

Furnace

50%			2036	**	1	\$2,600
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*Other Observation, Extent : Moderate, Area Affected : 50%**Location : Roof**Explanation : 5 Rooftop Package Units*

Hot Water Boiler

50%			2029	\$55,100	1	\$2,600
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*Other Observation, Extent : Light, Area Affected : 50%**Location : Basement**Explanation : 4 Boilers Piped Together. Units Are Operational But Frequently Breaking Down. Units On Extended Life*

Distribution

Hot Wtr Piping/Pump

50%	Now	\$600	2039	**	4	\$300
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*Malfunctioning, Extent : Moderate, Area Affected : 100%**Location : Throughout. Ineffective Temperature Control Device*

No Component

50%

Terminal Devices

Convactor/Radiator

25%			2036	**	1	\$900
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Unit Heater - Steam

25%			2031	\$14,700	4	\$200
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Boiler Room**Explanation : Defective Pressure Relief Valve*

No Component

50%

Air Conditioning

Energy Source

Electricity

100%			2039	**	1	
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FIRE DEPARTMENT - 057
ENGINE CO. 92/ LADDER CO. 44
Asset # : 13075

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	50%			2036	**	2	\$300	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Roof</i>								
<i>Explanation : 5 Rooftop Package Units. R-410a</i>								
<i>Poor Insulation Of Ducts Penetration Causing Water Infiltration And Leakages At 3rd Floor</i>								
Split Unit	50%	0-2	\$24,600	2031	\$123,200			
<i>Malfunctioning, Extent : Light, Area Affected : 100%</i>								
<i>Location : The Split Unit At The Reception Room Is Malfunctioning.</i>								
Ventilation								
Distribution								
Ductwork/Diffusers	100%	Now	\$9,100	LIFE	**	2-5	\$5,900	
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Roof</i>								
Exhaust Fans								
Interior	30%			2036	**	2	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Room</i>								
<i>Explanation : Undersized Exhasut Fan.</i>								
Roof	50%			2036	**	2	\$200	
Wall Unit	20%			2031	\$900	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	**	1		
<i>Booster Pump w/Tank, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
HW Heat Exchanger								
Steam Fired	100%			2051	**	4	\$1,100	
Sanitary Piping								
Cast Iron	100%	Now	\$2,600	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Front Side Of The Basement</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Occasional Sewer Backup At Basement</i>								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2024	\$300	4	\$300	
Backflow Preventer								
Generic	100%			2036	**	1	\$700	
Fixtures								
Generic	100%							
Fire Suppression								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 92/ LADDER CO. 44
Asset # : 13075

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Fire Suppression Sprinkler								
Generic	100%			2051	* *	1-2	\$3,000	
Fire Pump								
Generic	100%			2040	* *	1	\$2,000	
Chemical System								
Wet	100%			2026	\$79,700	1-3	\$83,300	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Ansul System Located At The Kitchen Area</i>						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 93/ LADDER CO. 45
 Address : 515 WEST 181st STREET
 Borough : MANHATTAN Agency's Number : N/A
 Program / Asset # : FIRSECO.093 / 13076 Yr Built/Renovated : 1913 / 2003
 Area Sq Ft : 21,883 Project Type : FIRE DEPARTMENT
 Date of Survey : 31-Jan-2019 Landmark Status : NONE
 Areas Surveyed : Basement, Roof, Floors 1,2,3
 Block : 2155 Lot : 30 BIN : 1075518

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture		\$95,500
Total		\$95,500
Importance Code A		\$95,500
Total		\$95,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$127,400		\$1,600	
Interior Architecture	\$130,800			
Electrical	\$5,700	\$4,400	\$1,100	\$800
Mechanical	\$10,400	\$3,700	\$12,500	\$3,200
Total	\$274,300	\$8,000	\$15,200	\$4,100
Importance Code A	\$128,500	\$1,100	\$2,700	\$1,100
Importance Code B	\$113,300	\$6,900	\$12,600	\$3,000
Importance Code C	\$32,500			
Total	\$274,300	\$8,000	\$15,200	\$4,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 93/ LADDER CO. 45
Asset # : 13076

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	\$48,100	LIFE	**	5	\$29,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : North Facades</i>								
Masonry: Granite	5%			LIFE	**	5	\$1,600	
Masonry: Limestone	10%	2-4	\$32,800	LIFE	**	5	\$3,200	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Wood Overhead Doors	15%			2043	**	5	\$32,000	
Windows								
Aluminum	100%			2046	**	5	\$3,100	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$3,100	
Masonry: Brick	75%	2-4	\$7,500	LIFE	**	5	\$3,000	
<i>Efflorescence, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : South Facade Roof Side</i>								
Metal Rail	15%	0-2	\$800	2043	**	5	\$4,300	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Roof								
Roll Roofing	100%	0-2	\$38,200	2032	\$95,500	5	\$12,600	
<i>Blisters, Extent : Light, Area Affected : 50%</i>								
<i>Location : Throughout Upper Roof</i>								
<i>Water Penetration, Extent : Light, Area Affected : 15%</i>								
<i>Location : Several Areas Throughout</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Seams Throughout</i>								
<i>Explanation : Alligatoring</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
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FIRE DEPARTMENT - 057
ENGINE CO. 93/ LADDER CO. 45
Asset # : 13076

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior Floors								
Cast in Place Concrete	50%	0-2	\$27,200	LIFE	**	5	\$35,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement Area</i>								
Ceramic Tile	6%	Now	\$5,400	2039	**	5	\$1,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Laundry Room And Bathrooms</i>								
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Grout Staining</i>								
Granite Panels	2%	Now	\$2,800	LIFE	**	5	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Interior Staircase</i>								
<i>Explanation : Cracks At Stair Treads</i>								
Wood	33%	Now	\$31,500	2058	**	5	\$10,100	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Throughout 2nd And 3rd Floor</i>								
Wood	9%			2058	**	5	\$5,500	
Interior Walls								
Ceramic Tile	1%	0-2	\$500	2039	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Bathrooms</i>								
Concrete Masonry Unit	40%			LIFE	**	5	\$7,000	
Glass: Single Pane	2%			LIFE	**	5	\$700	
Gypsum Board	22%	Now	\$2,600	LIFE	**	5	\$5,800	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 1%</i>								
<i>Location : By Ladder Leading To Roof And Adjacent Room</i>								
Masonry: Brick	18%	Now	\$29,400	LIFE	**			
<i>Efflorescence, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : South Basement Wall.</i>								
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 2%</i>								
<i>Location : 2nd Floor v Room.</i>								
Metal Panel	1%			LIFE	**			
Plaster	5%			LIFE	**	5	\$700	
Wood	11%			LIFE	**	5	\$19,300	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 93/ LADDER CO. 45
Asset # : 13076

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

Exposed Struc: Concrete	40%			LIFE	**	5	\$2,000	
Exposed Struc: Steel	20%	Now	\$30,800	LIFE	**			

Water Penetration, Extent : Moderate, Area Affected : 5%

Location : South Side Below Apparatus Floor

Other Observation, Extent : Severe, Area Affected : 5%

Location : South Side Below Apparatus Floor

Explanation : Rusting Steel

Gypsum Board	5%	0-2	\$600	LIFE	**	5	\$2,000	
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Cracking/Crumbling, Extent : Light, Area Affected : 5%

Location : Throughout

Metal Panel	15%			LIFE	**	5	\$6,100	
Plaster	20%			LIFE	**	5	\$4,100	

Site Enclosure

Fence/Gates

Chain Link	100%			2040	**			
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2035	**			
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On-Site Walkways

Cast in Place Concrete	100%			2043	**			
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Parking/Driveway

Cast in Place Concrete	100%			2043	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2050	**	5	\$100	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : One 400 Ampere Disconnect Switch

Switchgear / Switchboard

Fused Disc Sw	100%			2050	**	5	\$100	
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Raceway

Conduit	100%			2050	**	1		
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Panelboards

Molded Case Bkrs	100%			2046	**	5	\$600	
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Wiring

Thermoplastic	100%			2050	**	1		
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Motor Controllers

Locally Mounted	100%			2043	**	5	\$100	
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Ground

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
ENGINE CO. 93/ LADDER CO. 45
Asset # : 13076

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%	0-2	\$2,000	LIFE	**	5	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Ground Clamp Severely Corroded At Water Pipe, Needs New Ground Clamp.</i>								
Stand-by Power								
Transfer Switches Manual	100%			2050	**	5	\$100	
Generators Diesel	100%			2039	**	1	\$8,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside Backyard</i>								
<i>Explanation : 64 Kilowatt Portable Generator</i>								
Batteries Lead/Acid	100%			2024	\$2,400	5	\$800	
Fuel Storage Main Tank	100%			2058	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Within Generator Enclosure</i>								
<i>Explanation : 60 Gallon Diesel Tank</i>								
Lighting								
Interior Lighting Fluorescent	4%			2030	\$7,400	10	\$800	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 30%</i>								
<i>Location : Second And Third Floor</i>								
HID	1%			2030	\$1,300	10		
LED	95%			2040	**			
<i>Recent Installation, Extent : N/A, Area Affected : 95%</i>								
<i>Location : Throughout The Building</i>								
Egress Lighting Emergency, Battery	50%			2035	**	10	\$2,600	
Exit, Battery	50%			2035	**	10	\$700	
Exterior Lighting HID	100%			2038	**	10	\$100	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Building Perimeter</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2050	**	1		
Conversion Equipment Furnace	50%			2030	\$33,200	1	\$5,400	
Hot Water Boiler	50%			2043	**	1	\$5,400	

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FIRE DEPARTMENT - 057
ENGINE CO. 93/ LADDER CO. 45
Asset # : 13076

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
Distribution								
	Hot Wtr Piping/Pump	100%			2046	**	4	\$1,100
Terminal Devices								
	Convactor/Radiator	80%			2043	**	1	\$5,700
	Fan Coil Unit/Heat	20%			2035	**	1	\$1,400
Air Conditioning								
Energy Source								
	Electricity	100%			2046	**	1	
Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	95%	Now	\$6,800	2035	**	2	\$1,000
				<i>Damaged, Extent : Moderate, Area Affected : 50%</i>				
				<i>Location : Bird Screens Missing Or Damaged On Roof</i>				
				<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 6 Units On Roof</i>				
	Window/Wall Unit	5%			2028	\$4,000	1	
Distribution								
	Ductwork/Diffusers	95%			LIFE	**	2	\$27,000
	No Component	5%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$12,200
Exhaust Fans								
	Roof	80%			2035	**	2	\$500
	Wall Unit	20%			2035	**	2	\$100
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2050	**	1	
Water Heater With Tanks								
	Gas Fired	100%	2-4	\$300	2028	\$16,700	2	
				<i>Leak Evident, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Tank</i>				
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : Two 75 Gallon Units</i>				
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Non-Submersible	100%			2035	**	4	\$500
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : Basement</i>				
				<i>Explanation : One Duplex Unit, One Single Unit</i>				
Backflow Preventer								
	Generic	100%			2035	**	1	\$1,300

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FIRE DEPARTMENT - 057
ENGINE CO. 93/ LADDER CO. 45
Asset # : 13076

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Fixtures							
	Generic	100%						
Fire Suppression								
	Sprinkler							
	Generic	100%			2050	**	1-2	\$6,100
	Chemical System							
	No Component	90%						
	Generic	10%			2028	\$8,000	1-3	\$7,400

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 94/ LADDER CO. 48 / BATTALION 3
Address : 1226 SENECA AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.094 / 13077 **Yr Built/Renovated** : 1913 /
Area Sq Ft : 8,526 **Project Type** : FIRE DEPARTMENT
Date of Survey : 28-Jun-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2762 **Lot** : 54 **BIN** : 2006440

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Mechanical		\$324,100
Total		\$324,100
Importance Code B		\$324,100
Total		\$324,100

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$65,900		\$2,100	\$500
Interior Architecture	\$67,500		\$1,800	\$2,200
Electrical	\$4,700	\$900	\$3,300	\$900
Mechanical	\$1,600	\$1,300	\$26,800	\$1,500
Site Pavements	\$28,600			
Total	\$168,200	\$2,200	\$34,000	\$5,100
Importance Code A	\$66,700	\$800	\$3,000	\$1,300
Importance Code B	\$87,000	\$1,400	\$31,000	\$2,900
Importance Code C	\$14,500			\$900
Total	\$168,200	\$2,200	\$34,000	\$5,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 94/ LADDER CO. 48 / BATTALION 3
Asset # : 13077

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Alum/Vinyl Siding	8%			2043	**	10	\$400		
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$22,400		
Masonry: Brick	70%			LIFE	**	5	\$20,100		
Masonry: Granite	5%			LIFE	**	5	\$1,100		
Stucco Cement	2%			2046	**	5	\$700		
Wood Overhead Doors	5%	Now	\$20,100	2053	**	5	\$1,800		
<i>Worn/Eroded, Extent : Severe, Area Affected : 80%</i>									
<i>Location : Front Facade</i>									
Windows									
Aluminum	100%			2049	**	5	\$2,300		
Parapets									
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$9,300		
Masonry: Brick	85%			LIFE	**	5-10	\$19,000		
Metal Rail	5%			2046	**	5-10	\$2,900		
Roof									
Asphalt Shingle	5%			2042	**	10	\$100		
Modified Bitumen	90%			2038	**	10	\$10,500		
Roll Roofing	5%			2032		5	\$3,700	\$1,000	
Soffits									
Stucco Cement	100%			2046	**	5			
Interior									
Floors									
Cast in Place Concrete	35%	4+	\$7,500	LIFE	**	5	\$9,800		
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Apparatus Floor</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>									
<i>Location : Basement</i>									
Ceramic Tile	20%			2042	**	5	\$2,600		
Quarry Tile	5%			2038	**	5	\$1,000		
Terrazzo	5%	Now	\$17,600	LIFE	**	5	\$500		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>									
<i>Location : Stair Treads</i>									
Vinyl Tile	30%			2038	**	3	\$1,400		
Wood	5%			2048	**	5	\$1,200		
Interior Walls									
Cast in Place Concrete	5%			LIFE	**	10	\$2,200		
Ceramic Tile	10%			2042	**	5	\$1,800		
Gypsum Board	25%			LIFE	**	5-10	\$7,500		
Masonry: Brick	25%			LIFE	**	10	\$1,300		
Plaster	30%	Now	\$2,500	LIFE	**	5	\$1,600		
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>									
<i>Location : Bottom Of Stair To Basement</i>									
Wood	5%			LIFE	**	5	\$7,100		

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 94/ LADDER CO. 48 / BATTALION 3
Asset # : 13077

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	20%			2046	**	5	\$2,600	
Exposed Struc: Steel	30%	Now	\$18,100	LIFE	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Steel Decking In Basement Ceiling, Boiler Room And Storage Area</i>								
Gypsum Board	20%			LIFE	**	5-10	\$8,800	
Plaster	30%			LIFE	**	5-10	\$6,600	
Site Enclosure								
Fence/Gates								
Chain Link	92%			2043	**			
Iron Picket	8%			2053	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$28,600	2038	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Failed Street Side</i>								
On-Site Walkways								
Cast in Place Concrete	100%			2038	**			
Parking/Driveway								
Asphalt	100%			2036	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2053	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 400 Ampere Main Switch</i>								
Raceway								
Conduit	80%			2043	**	1		
Conduit	20%			2053	**	1		
Panelboards								
Molded Case Bkrs	100%			2049	**	5	\$200	
Wiring								
Thermoplastic	100%			2053	**	1		
Motor Controllers								
Locally Mounted	100%			2038	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : Controls For Heating System.</i>								
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$300	
Stand-by Power								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 94/ LADDER CO. 48 / BATTALION 3
Asset # : 13077

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Transfer Switches Automatic	100%			2046	**	1	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 200 Amperes, 3 Pole, Connection For Generator</i>								
<hr/>								
Generators Diesel	100%			2042	**	1	\$3,300	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 100 Kilovolt Amperes</i>								
<hr/>								
Batteries Lead/Acid	100%			2026	\$2,400	5	\$300	
<hr/>								
Fuel Storage Day Tank	100%			2041	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 27 Gallons</i>								
<hr/>								
Lighting								
Interior Lighting LED	100%			2041	**			
<hr/>								
Egress Lighting Emergency, Service	50%			2033	\$2,600	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Emergency Lighting From Emergency Generator</i>								
<hr/>								
Exit, Service	50%			2033	\$1,800	1		
<hr/>								
Exterior Lighting Incandescent	5%			2033	\$2,200	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Side Yard</i>								
<i>Explanation : Wall Mounted, Controlled Via Switch</i>								
<hr/>								
LED	15%	0-2	\$3,300	2033	\$6,700			
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<i>Explanation : Wall Mounted, Controlled Via Time Clock</i>								
<hr/>								
No Component	80%							
<hr/>								
Alarm								
Security System Generic	100%			2041	**	1	\$3,200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Exterior</i>								
<i>Explanation : Cameras Security System</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

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FIRE DEPARTMENT - 057
ENGINE CO. 94/ LADDER CO. 48 / BATTALION 3
Asset # : 13077

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Steam Boiler	100%			2050	**	1	\$8,400	
Distribution								
Steam Piping/Pump	100%			2043	**			
Terminal Devices								
Convactor/Radiator	90%			2038	**	1	\$2,500	
Unit Heater - Steam	10%			2028	\$4,700	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		
Conversion Equipment								
Split Unit	20%			2033	\$39,500			
Window/Wall Unit	80%			2026	\$25,200	1		
Dehumidifier								
No Component	80%							
Generic	20%			2031	\$324,100			
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Explanation : Portable</i>								
Ventilation								
Exhaust Fans								
Roof	50%			2038	**	2	\$100	
Wall Unit	50%			2033	\$1,800	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2043	**	1		
Water Heater With Tanks								
Gas Fired	100%			2031	\$33,400	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2026	\$300	4	\$300	
Backflow Preventer								
No Component	95%							
Generic	5%			2041	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								
Fixtures								
Generic	100%							

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FIRE DEPARTMENT - 057
ENGINE CO. 94/ LADDER CO. 48 / BATTALION 3
Asset # : 13077

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Fire Suppression	Chemical System							
	No Component	98%						
	Generic	2%			2028	\$2,600	1-3	\$2,600
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Two 16 Square Foot Fire Suppression Systems</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 95/ LADDER CO. 36
Address : 29 VERMILYEA AVENUE
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.095 / 13078 **Yr Built/Renovated** : 1913 / 2003
Area Sq Ft : 9,076 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-May-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2224 **Lot** : 15 **BIN** : 1064801

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$239,700	
Interior Architecture	\$118,000	
Mechanical		\$79,700
Total	\$357,700	\$79,700
Importance Code A	\$239,700	
Importance Code B	\$118,000	\$79,700
Total	\$357,700	\$79,700

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$58,600	\$2,700		
Interior Architecture	\$103,900	\$300	\$700	\$500
Electrical	\$700			\$5,300
Mechanical	\$30,800	\$7,600	\$9,600	\$34,000
Site Enclosure	\$3,500			
Site Pavements	\$26,200			
Total	\$223,600	\$10,600	\$10,300	\$39,800
Importance Code A	\$59,500	\$3,500	\$900	\$900
Importance Code B	\$97,700	\$7,000	\$9,000	\$38,800
Importance Code C	\$66,400		\$400	
Total	\$223,600	\$10,600	\$10,300	\$39,800



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FIRE DEPARTMENT - 057
ENGINE CO. 95/ LADDER CO. 36
Asset # : 13078

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Cast Stone/Terra Cotta	3%	4+	\$7,900	LIFE	**	5	\$8,000		
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : South Facade</i>									
Masonry: Brick	85%	Now	\$116,000	LIFE	**	5	\$28,800		
<i>Diagonal Cracks, Extent : Severe, Area Affected : 10%</i>									
<i>Location : Hose Tower</i>									
<i>Graffiti, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : East Facades, Rear Facade</i>									
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : North And South At Front Facade</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Basement Workout Room</i>									
Masonry: Limestone	7%	Now	\$36,500	LIFE	**	5	\$1,800	1	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>									
<i>Location : North Facade Near Roof</i>									
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : North Facade</i>									
Metal Sect. OHD	5%			2045	**	5	\$5,300		
Windows									
Aluminum	100%	Now	\$123,700	2057	**	5	\$1,300		
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 90%</i>									
<i>Location : Throughout</i>									
<i>Hardware Missing, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Throughout</i>									
Parapets									
Cast Stone/Terra Cotta	15%	Now	\$1,200	LIFE	**	5	\$2,600		
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Throughout, Upper Roof</i>									
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>									
<i>Location : Coping Stones</i>									
Masonry: Brick	75%	Now	\$4,200	LIFE	**	5	\$1,700		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Stucco Finish Over Parapet Wall</i>									
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>									
<i>Location : Outside Face</i>									
Masonry: Limestone	10%			LIFE	**	5	\$300		

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FIRE DEPARTMENT - 057
ENGINE CO. 95/ LADDER CO. 36
Asset # : 13078

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Roof								
Modified Bitumen	100%	Now	\$8,800	2037		**		
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Hose Tower/ Bulkhead</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Roof Surface</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Over 2nd Floor Roof</i>								
<i>Explanation : Wood Deck Over Roof</i>								
<hr/>								
Interior								
Floors								
Cast in Place Concrete	50%	0-2	\$9,100	LIFE		**	5	\$12,000
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Apparatus Floor, Basement</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Gymnasium</i>								
Ceramic Tile	5%			2041		**	5	\$500
Quarry Tile	5%	0-2	\$800	2037		**	5	\$400
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Kitchen Area</i>								
Vinyl Tile	40%	Now	\$11,800	2027	\$118,000		3	\$1,600
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd And 3rd Floor</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd And 3rd Floor</i>								
<i>Patching Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd And 3rd Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : 2nd And 3rd Floor</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 95/ LADDER CO. 36
Asset # : 13078

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	5%			2041	**	5	\$800	
Concrete Masonry Unit	3%			LIFE	**	5	\$200	
Gypsum Board	2%	4+	\$100	LIFE	**	5	\$200	
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Southeast Locker Room</i>								
Masonry: Brick	50%	Now	\$30,500	LIFE	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Plaster	40%	Now	\$7,800	LIFE	**	5	\$2,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd, 3rd Floor And Stair To Cellar</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd And 3rd Floor East And West Sides</i>								
Ceilings								
AcousTileSusp.Lay-In	5%			2045	**	5	\$500	
<i>Staining/Discoloring, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Exposed Struc: Concrete	25%	Now	\$39,400	LIFE	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Cellar Throughout</i>								
Plaster	70%	4+	\$4,500	LIFE	**	5	\$4,700	
<i>Water Penetration, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : 3rd Floor Southeast</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	4+	\$1,500	2052	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 15%</i>								
<i>Location : Rear Yard</i>								
Free Standing Walls								
Masonry: Brick	100%	Now	\$1,300	2042	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : North And South Of Front Facade</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : North And South Of Front Facade</i>								

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FIRE DEPARTMENT - 057
ENGINE CO. 95/ LADDER CO. 36
Asset # : 13078

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Enclosure								
Retaining Walls								
Cast in Place Concrete	90%			2052		**		
<i>Graffiti, Extent : Light, Area Affected : 10%</i>								
<i>Location : South Side Of Rear Yard</i>								
Masonry: Brick	10%	Now	\$700	2042		**		
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : South Side Of Rear Yard</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	\$1,000	2045		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Of Building</i>								
On-Site Walkways								
Cast in Place Concrete	100%	4+	\$25,200	2045		**		
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Rear Yard</i>								
<i>Ponding, Extent : Light, Area Affected : 15%</i>								
<i>Location : Rear Yard</i>								
Parking/Driveway								
Cast in Place Concrete	100%			2045		**		

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2052		**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								
Raceway								
Conduit	70%			2032	\$25,200	1		
Conduit	30%			2052	**	1		
Panelboards								
Fused Disc Sw	5%			2031	\$2,400	5		
Molded Case Bkrs	75%			2048	**	5	\$200	
Molded Case Bkrs	20%			2031	\$9,700	5		
Wiring								
Thermoplastic	75%			2052	**	1		
Thermoplastic	25%			2032	\$8,100	1		
Motor Controllers								
Locally Mounted	100%			2030	\$17,800	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								

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FIRE DEPARTMENT - 057
ENGINE CO. 95/ LADDER CO. 36
Asset # : 13078

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Interior Lighting

LED	99%			2037	**		
LED	1%	Now	\$700	2042	**		

Other Observation, Extent : Severe, Area Affected : 100%

Location : Bathroom Wall Mounted In Second Floor

Explanation : Not In Service

Egress Lighting

Emergency, Battery	50%			2037	**	10	\$1,100
Exit, Service	50%			2037	**	1	

Exterior Lighting

HID	10%			2027	\$4,100	10	
LED	10%			2037	**		
No Component	80%						

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas	100%			2052	**	1	
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Conversion Equipment

Steam Boiler	100%			2037	**	1	\$9,000
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Distribution

Central Plant Steam Piping/Pmp	100%	0-2	\$12,500	2042	**	4	\$400
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Insul. Deteriorating, Extent : Severe, Area Affected : 100%

Location : Basement

Terminal Devices

Convactor/Radiator	100%			2037	**	1	\$2,900
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Air Conditioning

Energy Source

Electricity	100%			2048	**	1	
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Conversion Equipment

Interior Pkg Unit - Cooling	20%			2033	\$28,000	2	\$100
Exterior Pkg Unit - Cooling	50%			2037	**	2	\$300

R-22 Refrigerant, Extent : Light, Area Affected : 100%

Location : Roof

Other Observation, Extent : Light, Area Affected : 100%

Location : Roof

Explanation : 2 Split Units, 1 Package Unit

Window/Wall Unit	10%			2027	\$3,400	1	
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No Component	20%						
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FIRE DEPARTMENT - 057
ENGINE CO. 95/ LADDER CO. 36
Asset # : 13078

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Distribution								
	Ductwork/Diffusers	75%	0-2	\$4,700	LIFE	**	2	\$8,900
<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Leaking Condensate Via The Duct At 3rd Floor</i>								
	No Component	25%						
Terminal Devices								
	Air Handler/Dir Expansion	35%			2037	**	1	
	No Component	65%						
Heat Rejection								
	Dry Cooler	50%			2037	**	2	\$3,200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Split Units Serve 2nd Floor</i>								
	No Component	50%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,100
Exhaust Fans								
	Roof	75%			2037	**	2	\$200
	Wall Unit	25%	Now	\$100	2032	\$1,000	2	\$100
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Noisy Operation</i>								
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2042	**	1	
Water Heater With Tanks								
	Gas Fired	100%			2027	\$16,700	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallon Unit</i>								
Sanitary Piping								
	Cast Iron	25%			LIFE	**	1	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Aged Piping</i>								
	Cast Iron	75%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	

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FIRE DEPARTMENT - 057
ENGINE CO. 95/ LADDER CO. 36
Asset # : 13078

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Sump Pump(s) Non-Submersible	50%	Now	\$400	2037	**	4	\$100	
<i>Leak Evident, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Cellar 1 Unit</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Units At 3 Locations</i>								
Submersible	50%			2025	\$100	4	\$100	
Backflow Preventer								
No Component	95%							
Generic	5%			2037	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler</i>								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2030	\$79,700	1-3	\$80,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen Area</i>								
<i>Explanation : Ansul System Serves Cooking Area</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 96/ LADDER CO. 54
Address : 1689 STORY AVENUE
Borough : BRONX Agency's Number : N/A
Program / Asset # : FIRSECO.096 / 13079 Yr Built/Renovated : 1966 / 2002
Area Sq Ft : 7,035 Project Type : FIRE DEPARTMENT
Date of Survey : 11-May-2022 Landmark Status : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3660 Lot : 1 BIN : 2022629

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$673,500	
Electrical		\$59,700
Mechanical		\$279,100
Site Enclosure	\$64,100	
Total	\$737,600	\$338,800
Importance Code A	\$673,500	\$73,000
Importance Code B		\$265,800
Importance Code C	\$64,100	
Total	\$737,600	\$338,800

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$61,900		\$2,600	
Interior Architecture	\$33,800		\$2,100	\$500
Electrical	\$100		\$100	
Mechanical	\$44,500	\$700	\$16,400	\$600
Site Pavements	\$15,000			
Total	\$155,300	\$700	\$21,200	\$1,100
Importance Code A	\$62,300	\$300	\$2,900	\$300
Importance Code B	\$66,600	\$400	\$18,300	\$400
Importance Code C	\$26,400			\$400
Total	\$155,300	\$700	\$21,200	\$1,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 96/ LADDER CO. 54
Asset # : 13079

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	90%	Now	\$472,700	LIFE	**	5	\$14,700	
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 2%</i>								
<i>Location : 2nd Floor Relieving Angles And Lintels At Side Facades</i>								
<i>Diagonal Cracks, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Right Side At Front And Side Facade Near Rear</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 2nd Floor At Window Lintels</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor Window Level And Throughout South Facade</i>								
Metal Sect. OHD	10%			2046	**	5	\$5,100	
Windows								
Aluminum	100%	Now	\$43,200	2058	**	5	\$900	
<i>Air Infiltration, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Throughout</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 55%</i>								
<i>Location : Throughout</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%	0-2	\$4,800	LIFE	**	5	\$700	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Coping Stones</i>								
Masonry: Brick	90%	Now	\$100,700	LIFE	**	5	\$800	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout Main Roof</i>								
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Roof Parapets</i>								
<i>Explanation : Shifting Of Parapet Wall</i>								
Roof								
Built-Up (BUR)	80%	Now	\$100,200	2043	**			
<i>Alligatoring, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								
<i>Debris on Roof, Extent : Light, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
<i>Grvl/Blst Miss/Disp, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Roof</i>								
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Parapet Walls</i>								
Roll Roofing	20%	Now	\$13,900	2035	**	5	\$1,800	
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Lower Roof</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout Roof Area</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 96/ LADDER CO. 54
Asset # : 13079

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$27,800	
Ceramic Tile	3%			2042	**	5	\$300	
Quarry Tile	2%			2046	**	5	\$300	
Terrazzo	5%			LIFE	**	5	\$800	
Vinyl Tile	30%			2038	**	3	\$1,200	
Interior Walls								
Cast in Place Concrete	5%			LIFE	**	10	\$1,800	
Ceramic Tile	5%			2042	**	5	\$700	
Concrete Masonry Unit	5%			LIFE	**	5	\$600	
Gypsum Board	35%			LIFE	**	5-10	\$8,700	
Plaster	10%			LIFE	**	5-10	\$1,200	
SGFT/Glazed Masonry	40%			LIFE	**	10	\$2,900	
Ceilings								
AcousTileSusp.Lay-In	30%			2046	**	5	\$3,200	
Exposed Struc: Concrete	50%			LIFE	**	5-10	\$6,600	
Plaster	20%			LIFE	**	5-10	\$3,600	
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$64,100	2063	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Throughout</i>								
Free Standing Walls								
Concrete Masonry Unit	100%			2053	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2038	**			
On-Site Walkways								
Cast in Place Concrete	100%			2046	**			
Parking/Driveway								
Asphalt	45%	0-2	\$15,000	2036	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Side Driveway</i>								
<i>Potholes, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Side Driveway</i>								
Cast in Place Concrete	55%			2046	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 96/ LADDER CO. 54
Asset # : 13079

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	95%			2043	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Fused Disconnect Switch</i>								
Photovoltaic Panel(s)	5%			2036	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rooftop</i>								
<i>Explanation : Serves Hot Water Heaters</i>								
Raceway								
Conduit	100%			2043	**	1		
Panelboards								
Fused Disc Sw	3%			2041	**	5		
Molded Case Bkrs	97%			2041	**	5	\$200	
Wiring								
Thermoplastic	100%			2043	**	1		
Motor Controllers								
Locally Mounted	100%			2038	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	100%			2033	\$59,700	10	\$6,500	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Egress Lighting								
Emergency, Battery	50%			2033	\$5,800	10	\$800	
Exit, Service	50%			2033	\$1,500	1		
Exterior Lighting								
HID	20%			2033	\$6,400	10		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Fuel Oil	100%			2043	**	5	\$2,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2,500 Gallon Tank In Vault</i>								
Conversion Equipment								
Hot Water Boiler	100%			2031	\$73,000	1	\$3,500	
Distribution								
Hot Wtr Piping/Pump	100%			2041	**	4	\$500	

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 96/ LADDER CO. 54
Asset # : 13079

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convactor/Radiator	90%			2031	\$50,600	1	\$2,000	
Unit Heater - Steam	10%			2028	\$3,900	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		
Conversion Equipment								
Split Unit	20%	Now	\$32,600	2043	**			
<i>Broken, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Roof And 2nd Floor</i>								
Window/Wall Unit	60%			2026	\$15,600	1		
No Component	20%							
Ventilation								
Exhaust Fans								
Roof	100%			2038	**	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%	Now	\$4,400	2043	**	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bathroom Sink</i>								
Water Heater With Tanks								
Gas Fired	50%			2028	\$8,300	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallon Unit</i>								
Solar	50%			2028	\$155,500	1		
Sanitary Piping								
Cast Iron	100%	Now	\$4,300	LIFE	**	1		
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Bathroom</i>								
<i>Explanation : Shower Drains Are Under Sized Causing Flooding</i>								
Storm Drain Piping								
Cast Iron	100%	0-2	\$2,400	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Drain At Apparatus Room Clogged</i>								
Sump Pump(s)								
Submersible	100%			2026	\$200	4	\$200	
Backflow Preventer								
No Component	95%							
Generic	5%			2033	\$200	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Boiler Only</i>								
Fixtures								
Generic	100%							

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO. 97
Address : 1454 ASTOR AVENUE @ FENTON AVE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.097 / 13080 **Yr Built/Renovated** : 1931 / 2010
Area Sq Ft : 5,006 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Jun-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 4389 **Lot** : 23 **BIN** : 2050740

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$398,300	
Total	\$398,300	
Importance Code A	\$398,300	
Total	\$398,300	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$43,600		\$1,500	
Interior Architecture	\$38,200		\$1,500	\$500
Electrical	\$100		\$100	
Mechanical	\$1,100	\$900	\$1,000	\$1,100
Total	\$83,000	\$900	\$4,000	\$1,600
Importance Code A	\$44,100	\$500	\$2,000	\$500
Importance Code B	\$21,100	\$400	\$2,100	\$800
Importance Code C	\$17,800			\$300
Total	\$83,000	\$900	\$4,000	\$1,600



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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 97
Asset # : 13080

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	65%	Now	\$193,600	LIFE	**	5	\$12,000	
<i>Paint Peeling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Side Facade</i>								
<i>Painted Surfaces, Extent : Light, Area Affected : 30%</i>								
<i>Location : Side And Rear Facade</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : North Elevation, Foundation Wall In Basement</i>								
Masonry: Granite	5%			LIFE	**	5	\$1,400	
Stucco Cement	20%	Now	\$204,800	2053	**	5	\$4,600	
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout Side Facades</i>								
Wood Overhead Doors	10%			2038	**	5	\$9,300	
Windows								
Aluminum	100%	Now	\$17,400	2049	**	5	\$900	
<i>Water Penetration, Extent : Severe, Area Affected : 15%</i>								
<i>Location : At Window Lintels Front Facade</i>								
Parapets								
Masonry: Brick	90%	Now	\$23,200	LIFE	**	5	\$1,900	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Parapet Wall</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Parapet Wall</i>								
Masonry: Limestone	10%			LIFE	**	5-10	\$2,500	
<i>Staining/Discoloring, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Coping Stones</i>								
Roof								
Metal Panel	10%			2046	**	10	\$1,500	
Modified Bitumen	90%			2038	**	10	\$7,300	
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$22,700	
Ceramic Tile	5%			2042	**	5	\$400	
Quarry Tile	5%			2046	**	5	\$600	
Vinyl Tile	30%			2038	**	3	\$1,000	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 97
Asset # : 13080

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Ceramic Tile	5%			2042	**	5	\$600
Gypsum Board	25%			LIFE	**	5-10	\$5,000
Masonry: Brick	10%	Now	\$11,000	LIFE	**		

Water Penetration, Extent : Moderate, Area Affected : 15%

Location : Basement

Plaster	30%	Now	\$1,700	LIFE	**	5	\$1,100
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Broken/Missing Elements, Extent : Moderate, Area Affected : 5%

Location : 2nd Floor Along North And East Facade

Cracking/Crumbling, Extent : Severe, Area Affected : 20%

Location : 2nd Floor Front Offices At Windows

Water Penetration, Extent : Moderate, Area Affected : 5%

Location : 2nd Floor Along North And East Facade, Front Offices

SGFT/Glazed Masonry	30%			LIFE	**	10	\$1,800
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Ceilings

AcousTileSusp.Lay-In	20%			2046	**	5	\$1,700
Exposed Struc: Concrete	35%			LIFE	**	5-10	\$3,800
Exposed Struc: Steel	20%			LIFE	**	10	\$3,500
Plaster	25%			LIFE	**	5-10	\$3,700

Site Enclosure

Fence/Gates

Chain Link	100%			2043	**		
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Corrosion/Rusting, Extent : Moderate, Area Affected : 75%
Location : Throughout

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2046	**		
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On-Site Walkways

Cast in Place Concrete	100%			2038	**		
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Parking/Driveway

Cast in Place Concrete	100%			2046	**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2043	**	5	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : 200 Amperes

Raceway

Conduit	100%			2043	**	1	
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Panelboards

Molded Case Bkrs	60%			2041	**	5	\$100
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Molded Case Bkrs	40%			2055	**	5	\$100
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 97
Asset # : 13080

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Wiring								
Thermoplastic	100%			2043	**	1		
Motor Controllers								
Locally Mounted	100%			2046	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Main</i>								
Lighting								
Interior Lighting								
Fluorescent	30%			2038	**	10	\$1,400	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
LED	70%			2038	**			
Egress Lighting								
Emergency, Battery	50%			2038	**	10	\$600	
Exit, LED	50%			2061	**	1		
Exterior Lighting								
HID	20%			2033	\$4,600	10		
<i>Outdr Lights On During Daytime, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Outside</i>								
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2043	**	1		
Conversion Equipment								
Steam Boiler	100%			2046	**	1	\$5,000	
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : One Boiler</i>								
Distribution								
Steam Piping/Pump	100%			2043	**			
Terminal Devices								
Convactor/Radiator	70%			2038	**	1	\$1,100	
Fan Coil Unit/Heat	30%			2038	**	1	\$500	
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		
Conversion Equipment								
Split Unit	10%			2033	\$11,600			
Window/Wall Unit	90%			2028	\$16,700	1		

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 97
Asset # : 13080

Mechanical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Ventilation							
Exhaust Fans							
Roof	100%			2033	\$9,500	2	\$200
Plumbing							
H/C Water Piping							
Brass/Copper	70%			2043	**	1	
Galvanized Steel	30%			2038	**	1	
Water Heater With Tanks							
Gas Fired	100%			2028	\$16,700	2	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
		<i>Location : Basement</i>					
		<i>Explanation : 75 Gallons</i>					
Sanitary Piping							
Cast Iron	100%			LIFE	**	1	
Storm Drain Piping							
Cast Iron	100%			LIFE	**	1	
Sump Pump(s)							
Submersible	100%			2026	\$200	4	\$200
Fixtures							
Generic	100%						
Fire Suppression							
Chemical System							
No Component	98%						
Generic	2%			2028	\$2,600	1-3	\$2,600
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>					
		<i>Location : Kitchen</i>					
		<i>Explanation : Kitchen Fire Suppression Covers 32 Square Feet</i>					

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : ENGINE CO.154/ S.I. BORO COMMAND
Address : 3730 VICTORY BOULEVARD
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.154 / 13084 **Yr Built/Renovated** : 1972 /
Area Sq Ft : 9,014 **Project Type** : FIRE DEPARTMENT
Date of Survey : 01-Jul-2020 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 2665 **Lot** : 25 **BIN** : 5041882

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture		\$165,600
Interior Architecture		\$54,600
Total		\$220,200
Importance Code A		\$165,600
Importance Code B		\$54,600
Total		\$220,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$12,100		\$200	
Interior Architecture	\$6,700	\$300		
Electrical	\$3,200	\$600	\$13,500	\$700
Mechanical	\$1,100	\$800	\$12,500	\$1,000
Site Pavements	\$13,500			
Total	\$36,500	\$1,700	\$26,100	\$1,800
Importance Code A	\$12,500	\$400	\$700	\$400
Importance Code B	\$9,600	\$1,300	\$25,500	\$1,300
Importance Code C	\$14,400			
Total	\$36,500	\$1,700	\$26,100	\$1,800



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO.154/ S.I. BORO COMMAND
Asset # : 13084

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	2%			2051	**	10	\$100	
Cast in Place Concrete	10%			LIFE	**	5	\$10,800	
Masonry: Brick	76%			LIFE	**	5	\$16,400	
Metal Sect. OHD	10%			2044	**	5	\$6,700	
Pre-Cast Concrete	2%	0-2	\$3,100	LIFE	**	5	\$1,400	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Window Sills</i>								
Windows								
Aluminum	100%			2053	**	5	\$3,000	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Parapets								
Metal Panel	5%			2051	**	5	\$400	
Metal Rail	25%			2044	**	5-10	\$9,300	
No Component	70%							
Roof								
Modified Bitumen	100%			2031		10	\$15,500	
Soffits								
Exposed Struc: Concrete	100%			LIFE	**	5	\$200	
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$11,800	
Ceramic Tile	30%			2044	**	5	\$4,000	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 2nd Floor And Bathrooms</i>								
Terrazzo	15%			LIFE	**	5	\$1,600	
Vinyl Tile	15%			2031		3	\$800	
Interior Walls								
Ceramic Tile	10%			2044	**	5	\$1,900	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Bathrooms And Washroom Area</i>								
Concrete Masonry Unit	15%			LIFE	**	5	\$1,100	
Gypsum Board	5%			LIFE	**	5	\$600	
Mosaic Tile	5%			LIFE	**			
Plaster	20%			LIFE	**	5	\$1,100	
SGFT/Glazed Masonry	45%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	55%			2044	**	5	\$7,400	
Gypsum Board	5%			LIFE	**	5	\$800	
Plaster	40%			LIFE	**	5	\$3,400	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO.154/ S.I. BORO COMMAND
Asset # : 13084

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Enclosure

Free Standing Walls

Concrete Masonry Unit

100%

2051

* *

*Other Observation, Extent : Light, Area Affected : 100%**Location : Rear Patio Enclosure**Explanation : Low Knee Wall*

Site Pavements

Public Sidewalk

Cast in Place Concrete

100%

2044

* *

On-Site Walkways

Cast in Place Concrete

100%

2044

* *

*Ponding, Extent : Light, Area Affected : 50%**Location : Rear Outdoor Patio*

Parking/Driveway

Asphalt

80% Now

\$13,500 2040

* *

*Broken/Missing Elements, Extent : Moderate, Area Affected : 20%**Location : East Parking Yard And West Driveway**Cracking/Crumbling, Extent : Moderate, Area Affected : 50%**Location : East Parking Yard And West Driveway*

Cast in Place Concrete

20%

2048

* *

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Driveway Apron At Apparatus Entrance**Explanation : Recent Installation*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw

100%

2041

* *

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : 1st Floor Electrical Room**Explanation : Main Disconnect Rated At 400 Amperes*

Raceway

Conduit

100%

2031

\$36,000

1

Panelboards

Molded Case Bkrs

100%

2047

* *

5

\$200

Wiring

Braided Cloth

10%

2030

\$3,300

1

Thermoplastic

90%

2041

* *

1

Motor Controllers

Locally Mounted

100%

2036

* *

5

\$100

Ground

Grounding Devices

Generic

100%

LIFE

* *

5

\$100

Stand-by Power

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO.154/ S.I. BORO COMMAND
Asset # : 13084

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	**	1	\$2,800	
Generators								
Diesel	100%			2034	**	1	\$3,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outdoor Enclosure</i>								
<i>Explanation : 115 Kilowatts Rated Capacity</i>								
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$300	
Fuel Storage								
Day Tank								
	25%			2039	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Inside Emergency Generator Enclosure</i>								
<i>Explanation : 120 Gallon Capacity</i>								
Main Tank								
	75%			2046	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Above Ground, Side Yard</i>								
<i>Explanation : 500 Gallon Diesel Fuel Tank</i>								
Lighting								
Interior Lighting								
Fluorescent								
	10%			2031	\$7,600	10	\$800	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Incandescent								
	5%			2026	\$5,400	2		
LED								
	85%			2039	**			
Egress Lighting								
Emergency, Battery								
	50%			2036	**	10	\$1,100	
Exit, Battery								
	50%			2036	**	10	\$300	
Exterior Lighting								
Fluorescent								
	10%			2026	\$3,500	10	\$100	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Entrance</i>								
Incandescent								
	5%			2026	\$2,400	2		
LED								
	85%			2039	**			

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2051	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2044	**	1	\$4,500	
Distribution								
Hot Wtr Piping/Pump	100%			2047	**	4	\$400	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO.154/ S.I. BORO COMMAND
Asset # : 13084

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
Terminal Devices								
	Convactor/Radiator	80%			2044	**	1	\$2,300
	Unit Heater - Hot Water	20%			2031	\$10,400		
Air Conditioning								
Energy Source								
	Electricity	100%			2047	**	1	
Conversion Equipment								
	Split Unit	45%			2036	**		
<i>Recent Installation, Extent : N/A, Area Affected : 30%</i>								
<i>Location : Roof</i>								
	Window/Wall Unit	35%			2026	\$11,700	1	
	No Component	20%						
Terminal Devices								
	Fan Coil - 2 Pipe	45%			2036	**	1	\$1,300
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Sleeping Rooms</i>								
<i>Explanation : Indoor Units Associated With Condensing Units.</i>								
	No Component	55%						
Ventilation								
Distribution								
	Not Accessible	100%						
Exhaust Fans								
	Wall Unit	25%			2031	\$900	2	\$100
	Not Accessible	75%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Roof</i>								
<i>Explanation : Inaccessible Roof</i>								
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2051	**	1	
<i>Not Insulated, Extent : Light, Area Affected : 50%</i>								
<i>Location : 1st Floor</i>								
Water Heater With Tanks								
	Gas Fired	100%			2029	\$16,700	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mechanical Room</i>								
<i>Explanation : Two 75 Gallon Tanks</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Non-Submersible	100%			2036	**	4	\$300

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FIRE DEPARTMENT - 057
ENGINE CO.154/ S.I. BORO COMMAND
Asset # : 13084

Mechanical		Current Repair		Future Replacement		Maintenance		Priority	
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing									
	Sewage Ejector(s) Electric	100%			2036	**	4	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Mechanical Room</i>									
<i>Explanation : Duplex Unit</i>									
<hr/>									
Fixtures									
	Generic	30%							
	Generic	70%							
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : 2nd Floor Bathrooms</i>									
<i>Explanation : Recent Installation Of Bathrooms</i>									
<hr/>									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FDNY BOAT MAINTENANCE @MARINE 6 NAVY YARD BLDG. 295
Address : HAMMERHEAD AVE IN FRONT OF BLDG. 270
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRMAR6.010 / 14939 **Yr Built/Renovated** : 2015 /
Area Sq Ft : 6,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-Jun-2021 **Landmark Status** : NONE
Areas Surveyed : Floors 1
Block : 2023 **Lot** : 1 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$74,800	
Total	\$74,800	
Importance Code A	\$74,800	
Total	\$74,800	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$48,000	\$3,600		
Interior Architecture				
Electrical	\$300	\$200	\$200	\$200
Mechanical	\$200		\$200	
Total	\$48,400	\$3,800	\$400	\$300
Importance Code A	\$48,100	\$3,600	\$100	
Importance Code B	\$400	\$300	\$300	\$300
Total	\$48,400	\$3,800	\$400	\$300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
FDNY BOAT MAINTENANCE @MARINE 6 NAVY YARD BLDG. 295
Asset # : 14939

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	10%			LIFE	**	5	\$8,000	
Metal Panel	70%	4+	\$36,100	2058	**	5	\$20,900	
<i>Not Insulated, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Exterior Walls</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Building Is Not Heated. Cold Air Infiltration During Winter Months</i>								
Metal Coiling Doors	15%	4+	\$74,800	2045	**	5	\$3,700	
<i>Air Infiltration, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Door Perimeter</i>								
<i>Other Observation, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Coiling Door And Throughout</i>								
<i>Explanation : Building Is Not Heated. Cold Air Infiltration During Winter Months</i>								
Window Wall	5%			2058	**	5	\$3,000	
Windows								
Metal Louvers	100%			2045	**	10	\$3,600	
Parapets								
Metal Rail	100%			2049	**	5-10	\$30,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Observed From Ground</i>								
Roof								
Not Accessible	100%							
Interior								
Floors								
Cast in Place Concrete	90%			LIFE	**	5	\$17,600	
Not Accessible	10%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location : Mezzanine</i>								
<i>Explanation : No Access, No Stair, No Ladder</i>								
Ceilings								
Exposed Struc: Steel	100%			LIFE	**			
Site Enclosure								
Fence/Gates								
Chain Link	100%			2052	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2045	**			
Parking/Driveway								
Asphalt	50%			2041	**			
Cast in Place Concrete	50%			2045	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FDNY BOAT MAINTENANCE @MARINE 6 NAVY YARD BLDG. 295
Asset # : 14939

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment Fused Disc Sw	100%			2058	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Garage Area</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 400 Amperes.</i>								
Raceway Conduit	100%			2058	**	1		
Panelboards Fused Disc Sw	10%			2054	**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Garage Area</i>								
<i>Explanation : Serving The Solar Panel Photovoltaic Cell</i>								
Molded Case Bkrs	90%			2054	**	5	\$100	
Wiring Thermoplastic	100%			2058	**	1		
Motor Controllers Locally Mounted	100%			2049	**	5		
Ground								
Grounding Devices Not Accessible	100%							
Lighting								
Interior Lighting LED	100%			2040	**			
Egress Lighting Emergency, Battery	50%			2040	**	10	\$700	
Exit, Service	50%			2040	**	1		
Exterior Lighting LED	30%			2040	**			
No Component	70%							
Alarm								
Security System Generic	100%			2040	**	1	\$2,200	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Electricity	100%			2062	**	1		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FDNY BOAT MAINTENANCE @MARINE 6 NAVY YARD BLDG. 295
Asset # : 14939

Mechanical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Heating							
Conversion Equipment Radiant Heater	20%			2040	**	2	\$600
	<i>Other Observation, Extent : N/A, Area Affected : 20%</i>						
	<i>Location : First Floor</i>						
	<i>Explanation : Portable Electrical Heaters</i>						
No Component	80%						
Terminal Devices							
Fan Coil Unit/Heat	20%			2042	**	1	\$400
No Component	80%						
Air Conditioning							
Energy Source Electricity	100%			2057	**	1	
Plumbing							
Storm Drain Piping Plastic/PVC	100%			2052	**	1	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FDNY BTDS STORAGE FACILITY FORMER LADDER CO. 114 BLDG.
 Address : 5209 5TH AVENUE
 Borough : BROOKLYN Agency's Number : N/A
 Program / Asset # : FIRSLAD.114 / 13223 Yr Built/Renovated : 1897 /
 Area Sq Ft : 3,202 Project Type : FIRE DEPARTMENT
 Date of Survey : 13-Oct-2021 Landmark Status : NONE
 Areas Surveyed : Basement, Roof, Floors 1,2
 Block : 808 Lot : 6 BIN : 3013940

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$52,600	
Interior Architecture	\$315,800	
Electrical		\$63,500
Total	\$368,400	\$63,500
Importance Code A	\$52,600	
Importance Code B	\$315,800	\$63,500
Total	\$368,400	\$63,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$23,800		\$2,600	
Interior Architecture	\$26,700			\$400
Electrical	\$10,300	\$100	\$100	\$200
Mechanical	\$400	\$400	\$400	\$400
Total	\$61,200	\$500	\$3,100	\$1,000
Importance Code A	\$24,100	\$300	\$2,900	\$300
Importance Code B	\$28,500	\$200	\$200	\$500
Importance Code C	\$8,600			\$200
Total	\$61,200	\$500	\$3,100	\$1,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FDNY BTDS STORAGE FACILITY FORMER LADDER CO. 114 BLDG.
Asset # : 13223

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$52,600	LIFE	**	5	\$13,100	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Facade</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : East Facade</i>								
Masonry: Limestone	10%			LIFE	**	5	\$2,500	
Metal Sect. OHD	10%			2046	**	5	\$5,100	
Windows								
Aluminum	100%	Now	\$3,500	2049	**	5	\$400	
<i>Crtrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Bath And 2nd Floor East, Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$5,100	
Masonry: Brick	90%			LIFE	**	5-10	\$11,000	
Roof								
Modified Bitumen	95%	2-4	\$1,300	2038	**			
<i>Blisters, Extent : Light, Area Affected : 5%</i>								
<i>Location : Main Roof</i>								
Skylight, Metal/Glass	5%	Now	\$4,500	2043	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Old Kitchen</i>								
Interior								
Floors								
Cast in Place Concrete	65%	Now	\$195,500	LIFE	**	5	\$8,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Structurally Insufficient</i>								
Ceramic Tile	5%	0-2	\$300	2042	**	5	\$200	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 2nd Floor Bathroom</i>								
Vinyl Tile	30%	0-2	\$9,800	2038	**	3	\$700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Interior Walls								
Ceramic Tile	5%			2042	**	5	\$400	
Gypsum Board	10%			LIFE	**	5-10	\$1,400	
Masonry: Brick	30%			LIFE	**	10	\$700	
SGFT/Glazed Masonry	30%			LIFE	**	10	\$1,200	
Wood	25%	Now	\$5,700	LIFE	**	5	\$8,300	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : 2nd Floor Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FDNY BTDS STORAGE FACILITY FORMER LADDER CO. 114 BLDG.
Asset # : 13223

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	40%	4+	\$2,000	2046	**	5	\$1,200	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Throughout</i>								
Embossed Metal	30%	Now	\$5,300	LIFE	**	5	\$800	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
<i>Deformed/Dented, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Steel	1%	Now	\$700	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At Removed Sidewalkto Basement Bilco Door Penetration</i>								
Masonry: Vault Struct	29%	Now	\$120,300	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
<i>Loose Units, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Structurally Insufficient And Beams Corroded, Lolly Columns Installed</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2038	**			
On-Site Walkways								
Cast in Place Concrete	100%			2038	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2033	\$14,700	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2033	\$63,500	5	\$100	
Raceway								
Conduit	100%			2033	\$36,000	1		
Panelboards								
Fused Disc Sw	10%			2032	\$4,800	5		
Molded Case Bkrs	90%			2032	\$43,600	5	\$100	
Wiring								
Thermoplastic	100%			2033	\$32,500	1		

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FIRE DEPARTMENT - 057
FDNY BTDS STORAGE FACILITY FORMER LADDER CO. 114 BLDG.
Asset # : 13223

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2031	\$17,800	5		
Ground								
Grounding Devices								
Generic	100%	2-4	\$10,200	LIFE		**	5	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Water Main</i>						
		<i>Explanation : Corroded</i>						
Lighting								
Interior Lighting								
Fluorescent	100%			2038		**	10	\$2,900
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : T-8 Lamps</i>						
Exterior Lighting								
HID	25%			2028	\$3,600		10	
No Component	75%							
Alarm								
Security System								
Generic	100%			2038		**	1	\$1,200
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Front And Rear Of The Building</i>						
		<i>Explanation : CCTV Surveillance Cameras</i>						

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2059		**	1	
Conversion Equipment								
Steam Boiler	100%			2050		**	1	\$3,200
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Steam Piping/Pump	100%			2053		**		
Terminal Devices								
Convactor/Radiator	50%			2031	\$12,800		1	\$500
Convactor/Radiator	50%			2050		**	1	\$500
Air Conditioning								
Energy Source								
Electricity	100%			2041		**	1	
Conversion Equipment								
Window/Wall Unit	50%			2028	\$5,900		1	
No Component	50%							

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FDNY BTDS STORAGE FACILITY FORMER LADDER CO. 114 BLDG.
Asset # : 13223

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Exhaust Fans								
Wall Unit	10%			2038	**	2		
No Component	90%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2043	**	1		
Water Heater With Tanks								
Gas Fired	100%			2028	\$16,700	2		
Sanitary Piping								
Cast Iron	30%			LIFE	**	1		
Cast Iron	70%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FDNY FIRE MUSEUM
Address : 278 SPRING ST.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSMUS.000 / 14345 **Yr Built/Renovated** : 1904 / 1999
Area Sq Ft : 21,457 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-Nov-2018 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 579 **Lot** : 11 **BIN** : 1009739

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$262,100	
Electrical	\$84,100	\$56,300
Total	\$346,200	\$56,300
Importance Code A	\$262,100	
Importance Code B	\$84,100	\$56,300
Total	\$346,200	\$56,300

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$31,100	\$21,900	\$1,200	
Interior Architecture	\$125,000	\$1,200		\$4,000
Electrical	\$61,900	\$48,500	\$1,400	\$1,600
Mechanical	\$5,100	\$28,800	\$12,300	\$3,500
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$227,000	\$104,300	\$18,900	\$13,100
Importance Code A	\$33,100	\$24,000	\$3,300	\$2,100
Importance Code B	\$158,900	\$80,300	\$15,600	\$10,900
Importance Code C	\$35,000			
Total	\$227,000	\$104,300	\$18,900	\$13,100



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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
FDNY FIRE MUSEUM
Asset # : 14345

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2040	**	10	\$800	
Masonry: Brick	50%			LIFE	**	5	\$25,100	
Masonry: Limestone	10%	4+	\$12,700	LIFE	**	5	\$3,800	
<i>Staining/Discoloring, Extent : Light, Area Affected : 25%</i>								
<i>Location : Cornice</i>								
Masonry: Limestone	15%			LIFE	**	5	\$5,600	
Granite Panels	5%			LIFE	**	5	\$1,900	
Stucco Cement	10%	Now	\$91,200	2043	**	5	\$6,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Stair And Mechanical Room Roof Bulkheads</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Stair And Mechanical Room Bulkheads</i>								
Window Wall	5%			2040	**	5	\$9,400	
Windows								
Aluminum	90%			2046	**	5	\$2,500	
Wood	10%	Now	\$7,100	2055	**	5	\$1,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Roof Bulkheads</i>								
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof Bulkheads</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Roof Bulkheads</i>								
Parapets								
Masonry: Brick	55%	Now	\$11,300	LIFE	**	5	\$1,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : South Facade</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	12%			LIFE	**	5	\$500	
Metal Cornice	4%			2045	**	10	\$400	
Metal Panel	12%			2050	**	5	\$1,400	
Metal Rail	5%			2035	**	5-10	\$2,700	
Slate	12%			LIFE	**	5	\$400	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Copings Located On South Side Of Roof</i>								
Roof								
Built-Up (BUR)	90%			2025	\$170,900	10	\$13,700	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Main Roof</i>								
Modified Bitumen	5%			2035	**	10	\$800	
Skylight, Metal/Glass	5%			2050	**	10	\$2,500	

Interior

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FIRE DEPARTMENT - 057
FDNY FIRE MUSEUM
Asset # : 14345

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Carpet	25%	Now	\$45,700	2029	\$152,200	3	\$12,000	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor</i>								
Cast in Place Concrete	40%			LIFE	**	5	\$28,100	
Ceramic Tile	3%			2039	**	5	\$1,000	
Quarry Tile	2%			2043	**	5	\$1,000	
Sheet Vinyl/Rubber	5%			2035	**	5	\$2,400	
Wood	25%			2058	**	5	\$15,100	
Interior Walls								
Concrete Masonry Unit	25%			LIFE	**	5	\$2,600	
Gypsum Board	40%			LIFE	**	5	\$6,200	
Masonry: Brick	10%	Now	\$26,500	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Plaster	25%	Now	\$8,500	LIFE	**	5	\$1,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Stair Bulkhead At Roof Level</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Stair Bulkhead At Roof Level</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stair Bulkhead At Roof Level</i>								
Ceilings								
Exposed Struc: Concrete	40%	Now	\$41,300	LIFE	**	5	\$2,000	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout Basement</i>								
Gypsum Board	55%			LIFE	**	5	\$22,100	
Plaster	5%	Now	\$2,600	LIFE	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Stair And Equipment Room Bulkheads</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Stair And Equipment Room Bulkheads</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2035	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2030	\$27,200	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1,200 Ampere Main Switch</i>								

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FIRE DEPARTMENT - 057
FDNY FIRE MUSEUM
Asset # : 14345

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Switchgear / Switchboard Fused Disc Sw	100%			2030	\$46,500	5	\$100	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 1,200 Ampere</i>							
Raceway Conduit	100%			2030	\$39,500	1		
Panelboards								
Molded Case Bkrs	100%	Now	\$6,400	2029	\$32,100	5	\$300	
	<i>Mech. Misoperation, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
Wiring								
Braided Cloth	70%	4+	\$25,000	2055	**	1		
	<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
Thermoplastic	30%			2040	**	1		
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$300	
Lighting								
Interior Lighting Fluorescent	15%			2030	\$56,300	10	\$3,000	
	<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout The Building</i>							
HID	60%			2025		10	\$400	
Incandescent	25%			2025	\$84,100	2	\$100	
Egress Lighting								
Emergency, Battery	50%			2035	**	10	\$2,600	
Exit, Battery	50%			2035	**	10	\$700	
Exterior Lighting								
HID	50%			2035	**	10		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Outside Perimeter</i>							
	<i>Explanation : Operated Via Timer</i>							
No Component	50%							
Alarm								
Security System Generic	100%			2025	\$43,200	1	\$8,000	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout</i>							
	<i>Explanation : Fixed Cameras.</i>							

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FIRE DEPARTMENT - 057
FDNY FIRE MUSEUM
Asset # : 14345

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Fire/Smoke Detection

No Component

50%

Generic, Analog

50% 2-4

\$29,700

2040

* *

1-3

\$6,000

*Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout The Building**Explanation : Fire Alarm System Has Central Monitoring And Is Over Thirty Years Old**Without A Maintenance Contract*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Electricity

1%

2050

* *

1

Natural Gas

99%

2050

* *

1

Conversion Equipment

Radiant Heater

5%

2035

* *

2

\$500

*Other Observation, Extent : Light, Area Affected : 5%**Location : Home Demonstration Area**Explanation : Electric Radiant Floors*

Steam Boiler

95%

2043

* *

1

\$20,200

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 1 Unit*

Distribution

Steam Piping/Pump

100%

2050

* *

Terminal Devices

Convactor/Radiator

100%

2043

* *

1

\$6,900

Air Conditioning

Energy Source

Electricity

100%

2046

* *

1

Conversion Equipment

Exterior Pkg Unit - Cooling

95%

2035

* *

2

\$1,300

*Other Observation, Extent : Light, Area Affected : 100%**Location : Roof And Extension Roof**Explanation : 2 Units*

Split Unit

5%

2035

* *

Distribution

Ductwork/Diffusers

100%

LIFE

* *

2

\$27,900

Ventilation

Distribution

Ductwork/Diffusers

100%

LIFE

* *

2-5

\$12,000

Exhaust Fans

Roof

100%

2030

\$44,600

2

\$700

Plumbing

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FIRE DEPARTMENT - 057
FDNY FIRE MUSEUM
Asset # : 14345

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
H/C Water Piping	Brass/Copper	100%			2050	**	1	
Water Heater With Tanks	Electric	100%	Now	\$500	2025	\$25,300	4	
<i>Broken, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 3rd Floor Unit</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd And 3rd Floor</i>								
<i>Explanation : Two 40 Gallon Units</i>								
Sanitary Piping	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)	Submersible	100%			2024	\$700	4	\$700
Fixtures								
	Generic	100%						
Vertical Transport								
Elevators								
	Geared Traction	100%			LIFE	**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st To 3rd Floor</i>								
<i>Explanation : 1 Unit</i>								
Fire Suppression								
	Sprinkler							
	Generic	100%			2050	**	1-2	\$6,000

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FIRE ACADEMY ADMINISTRATION BLDG #9
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.080 / 131 **Yr Built/Renovated** : 1975 / 2013
Area Sq Ft : 40,432 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Floors 1,2
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$4,025,000	\$93,500
Interior Architecture	\$1,405,300	\$407,500
Electrical	\$134,800	\$542,400
Mechanical		\$76,600
Total	\$5,565,100	\$1,120,100
Importance Code A	\$4,025,000	\$93,500
Importance Code B	\$1,449,200	\$619,100
Importance Code C	\$90,900	\$407,500
Total	\$5,565,100	\$1,120,100

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture				\$100
Interior Architecture	\$308,600	\$18,900		\$7,000
Electrical	\$3,700	\$4,000	\$7,100	\$90,100
Mechanical	\$15,600	\$14,900	\$15,000	\$21,200
Total	\$327,900	\$37,800	\$22,200	\$118,300
Importance Code A	\$2,000	\$2,000	\$2,000	\$2,200
Importance Code B	\$253,500	\$34,800	\$20,200	\$116,200
Importance Code C	\$72,500	\$1,000		
Total	\$327,900	\$37,800	\$22,200	\$118,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY ADMINISTRATION BLDG #9
Asset # : 131

Architecture	Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	30%	Now	\$327,800	LIFE	**	5	\$93,500	
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 0%</i> <i>Location : At Junction Of Metal Tunnel And Concrete At Auditorium Exit</i> <i>Water Penetration, Extent : Severe, Area Affected : 10%</i> <i>Location : At Auditorium, Simulation Room In South Facade</i>								
Metal/Glass Curt Wall	30%	Now	\$923,300	LIFE	**	5	\$35,100	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 75%</i> <i>Location : Throughout North Facade</i> <i>Corrosion/Rusting, Extent : Severe, Area Affected : 60%</i> <i>Location : Throughout North Facade</i> <i>Caulking Deteriorated, Extent : Severe, Area Affected : 75%</i> <i>Location : North Facade At Wall Penetrations And Base Of Building</i> <i>Water Penetration, Extent : Severe, Area Affected : 75%</i> <i>Location : North Facade Wall</i>								
Metal Panel	40%	Now	\$80,700	2042	**	5	\$46,700	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i> <i>Location : Along Wall Base</i> <i>Caulking Deteriorated, Extent : Moderate, Area Affected : 50%</i> <i>Location : Along Wall Base</i> <i>Water Penetration, Extent : Moderate, Area Affected : 50%</i> <i>Location : At Corridor Adjacent To Wall</i> <i>Other Observation, Extent : Light, Area Affected : 10%</i> <i>Location : South Facade At Entry Doors And Connector To Building 11</i> <i>Explanation : Corrugated Metal Panel</i>								
Windows								
Aluminum	100%			2057	**	5	\$100	
Roof								
Metal Panel	97%	Now	\$2,405,900	2052	**			
<i>Deformed/Dented, Extent : Moderate, Area Affected : 25%</i> <i>Location : Throughout Roof Surface</i> <i>Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 50%</i> <i>Location : South Side Above Exit Tunnels And Landscaped Berms</i> <i>Seams Open/Split, Extent : Moderate, Area Affected : 40%</i> <i>Location : Throughout Roof Surface</i> <i>Water Penetration, Extent : Moderate, Area Affected : 50%</i> <i>Location : Above Main Corridor. North Side</i>								
Skylight, Metal/Glass	3%	Now	\$287,300	2052	**			
<i>Glazing Broken/Cracked, Extent : Severe, Area Affected : 50%</i> <i>Location : Mezzanine Stair</i>								
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY ADMINISTRATION BLDG #9
Asset # : 131

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Carpet	15%	0-2	\$193,000	2034	**	3	\$16,800	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Auditorium</i>								
Cast in Place Concrete	13%	Now	\$40,200	LIFE	**	5	\$21,200	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Slab Settlements At Entrances To South And The North West Corner</i>								
Ceramic Tile	2%			2035	**	5	\$1,500	
Vinyl Tile	50%			2037	**	3	\$14,000	
Vinyl Tile	15%	Now	\$90,400	2042	**	3	\$4,200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Mezzanine, Kitchen, Staff Lounge, Simulator Room</i>								
Wood	5%			2060	**	5	\$7,000	
Interior Walls								
Cast in Place Concrete	5%	Now	\$45,900	LIFE	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Entrances To South</i>								
<i>Spalling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Simulator Room</i>								
Ceramic Tile	5%	0-2	\$22,200	2035	**	5	\$1,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stair To Mezzanine</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Stair To Mezzanine</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Locker Rooms And Bathrooms</i>								
Concrete Masonry Unit	48%	2-4	\$90,900	LIFE	**	5	\$7,900	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Corridors. 1st Floor And Stair F</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Base Of Walls. 1st Floor Corridors</i>								
Fabric on Framing	10%			2030	\$407,500	5	\$2,100	
Glass: Single Pane	2%			LIFE	**	5	\$600	
Gypsum Board	20%	Now	\$2,300	LIFE	**	5	\$5,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Simulator Room</i>								
Masonry: Brick	5%			LIFE	**			
Metal Panel	5%	2-4	\$2,100	LIFE	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY ADMINISTRATION BLDG #9
Asset # : 131

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileConcealSpLn	5%	2-4	\$2,900	2037	**	5	\$2,300	
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Staining/Discoloring, Extent : Moderate, Area Affected : 30%
Location : Male Locker Room

AcousTileSusp.Lay-In	24%			2045	**	5	\$17,900	
Exposed Struc: Steel	70%	Now	\$1,224,000	LIFE	**			

Corrosion/Rusting, Extent : Light, Area Affected : 30%
Location : Above Main Corridor. North Side, Stair F

Plaster	1%			LIFE	**	5	\$500	
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Other Observation, Extent : Light, Area Affected : 100%
Location : Chief Office
Explanation : Stucco Ceiling

Site Pavements

On-Site Walkways

Cast in Place Concrete	30%			2045	**			
Pavers/Stone	70%			2041	**			

Parking/Driveway

Asphalt	100%			2041	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Air Circuit Breaker	30%			2052	**	5	\$100	
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Other Observation, Extent : Light, Area Affected : 100%
Location : Electrical Room 2
Explanation : One 2,000 Ampere Main Disconnect Switch

Fused Disc Sw	50%			2032	\$22,100	5	\$100	
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Other Observation, Extent : Light, Area Affected : 100%
Location : Electrical Room 1
Explanation : One 4,000 Ampere Main Disconnect Switch

Fused Disc Sw	20%			2032	\$8,800	5		
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Other Observation, Extent : Light, Area Affected : 100%
Location : Electrical Room 1
Explanation : One 1,200 Ampere Main Disconnect Switch Serving Building No.7.

Transformers

Dry Type	100%			2030	\$26,100	5	\$100	
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Other Observation, Extent : Light, Area Affected : 100%
Location : Electrical Room 1
Explanation : 112.5 Kilovolt Ampere, 220 Volts Primary - 480/277 Volts Secondary

Switchgear / Switchboard

Fused Disc Sw	70%			2032	\$133,400	5	\$100	
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Molded Case Bkrs	30%			2052	**	5	\$300	
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY ADMINISTRATION BLDG #9
Asset # : 131

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	95%			2032	\$94,300	1		
Conduit	5%			2052	**	1		
Panelboards								
Fused Disc Sw	5%			2031	\$5,800	5		
Molded Case Bkrs	85%			2031	\$99,400	5	\$900	
Molded Case Bkrs	10%			2048	**	5	\$100	
Wiring								
Thermoplastic	90%			2032	\$119,300	1		
Thermoplastic	10%			2052	**	1		
Motor Controllers								
Locally Mounted	10%			2045	**	5		
Motor Control Center	85%			2030	\$96,200	5	\$900	
Variable Frequency Drive	5%			2045	**			
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$600	
Stand-by Power								
Transfer Switches								
Automatic	100%			2045	**	1	\$12,400	
Generators								
Diesel	100%			2041	**	1	\$15,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside The Building</i>								
<i>Explanation : One 810 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2026	\$2,400	5	\$1,500	
Fuel Storage								
Main Tank	100%			2060	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Outside</i>								
<i>Explanation : One 1382 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting								
Fluorescent	20%			2027	\$134,800	10	\$7,400	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Hallways, Electrical Room</i>								
Fluorescent	40%			2037	**	10	\$14,800	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Offices, Conference Room</i>								
LED	40%			2040	**			
Egress Lighting								
Emergency, Service	40%			2027	\$9,700	1		
Emergency, Service	20%			2040	**	1		
Exit, LED	10%			2067	**	1		
Exit, Service	30%			2027	\$5,100	1		

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FIRE DEPARTMENT - 057
FIRE ACADEMY ADMINISTRATION BLDG #9
Asset # : 131

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting

HID	10%			2027	\$18,400	10		
LED	10%			2040	**			

Other Observation, Extent : Moderate, Area Affected : 100%

Location : Outside

Explanation : LED Light Fixtures

No Component

80%

Alarm

Fire/Smoke Detection

No Component	70%							
Generic, Analog	30%			2027	\$30,600	1-3	\$7,700	

Other Observation, Extent : Light, Area Affected : 100%

Location : Hallway, Mechanical And Electrical Room

Explanation : Alarm Bell, Manual Pull Box, Smoke Detector And Fire Alarm Panel

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Fuel Oil No 2	100%			2042	**	5	\$12,500	
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Conversion Equipment

Hot Water Boiler	50%			2045	**	1	\$10,000	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Boiler Room

Explanation : 1 Unit

Hot Water Boiler	50%			2037	**	1	\$10,000	
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Other Observation, Extent : Moderate, Area Affected : 50%

Location : Boiler Room

Explanation : 1 Unit

Distribution

Hot Wtr Piping/Pump	100%	0-2	\$4,300	2040	**	4	\$2,000	
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Insul. Deteriorating, Extent : Severe, Area Affected : 100%

Location : Various

Terminal Devices

Air Handler	70%			2040	**	1	\$17,500	
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Convactor/Radiator	30%			2037	**	1	\$3,900	
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Air Conditioning

Energy Source

Electricity	100%			2040	**	1		
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Conversion Equipment

Reciprocating Compr/Chiller	100%			2037	**	1	\$18,800	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Courtyard

Explanation : Using 410a Refrigerant.

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY ADMINISTRATION BLDG #9
Asset # : 131

Mechanical System Component Type	Current Repair			Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Distribution								
CW & CHW Wtr Pipe/Pump	100%			2052	**	4	\$3,000	
Terminal Devices								
Air Handler/Cool/Ht	100%			2037	**	1	\$25,000	
Heat Rejection								
Air Cooled Condenser Unit	100%			2037	**	2	\$28,200	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$22,500	
Exhaust Fans								
Roof	100%			2032	\$76,600	2	\$1,200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2042	**	1		
Water Heater With Tanks								
Electric	100%			2030	\$23,100	4		
				<i>Other Observation, Extent : N/A, Area Affected : 100%</i>				
				<i>Location : Boiler Room</i>				
				<i>Explanation : 1 Unit</i>				
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2026	\$1,200	4	\$900	
				<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
				<i>Location : 1st Floor</i>				
				<i>Explanation : 1 Unit</i>				
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2042	**	1-2	\$11,300	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FIRE ACADEMY BLDG. 15
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.130 / 14944 **Yr Built/Renovated** :
Area Sq Ft : 1,620 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture		\$400		\$6,300
Interior Architecture		\$300		
Electrical				
Mechanical	\$100	\$300	\$700	\$300
Site Pavements	\$400			
Total	\$500	\$1,000	\$700	\$6,600
Importance Code A		\$400		\$6,300
Importance Code B	\$100	\$600	\$700	\$300
Importance Code C	\$400			
Total	\$500	\$1,000	\$700	\$6,600



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FIRE DEPARTMENT - 057
FIRE ACADEMY BLDG. 15
Asset # : 14944

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	95%			2052	**	10	\$1,000	
Wood	5%			2045	**	5	\$800	
Windows								
Aluminum	100%			2048	**	5	\$100	
Roof								
Modified Bitumen	100%			2037	**	10	\$6,300	
Interior								
Floors								
Vinyl Tile	100%			2037	**	3	\$800	
Interior Walls								
Gypsum Board	100%			LIFE	**	5	\$1,200	
Ceilings								
Gypsum Board	100%			LIFE	**	5	\$2,800	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2052	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	0-2	\$400	2045	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Of Building</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2058	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Two 200 Ampere Main Disconnect Switches</i>								
Transformers								
Dry Type	100%			2049	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 75 Kilovolt Ampere 208 High Voltage - 208/120 Low Voltage</i>								
Raceway								
Conduit	100%			2058	**	1		
Panelboards								
Fused Disc Sw	5%			2054	**	5		
Molded Case Bkrs	95%			2054	**	5		
Wiring								
Thermoplastic	100%			2058	**	1		
Ground								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY BLDG. 15
Asset # : 14944

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Ground

Grounding Devices Not Accessible	100%							
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Lighting

Interior Lighting Fluorescent	100%			2040	**	10	\$1,500	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								

Egress Lighting Emergency, Battery	50%			2040	**	10	\$200	
Exit, Service	50%			2040	**	1		

Exterior Lighting HID	20%			2040	**	10		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source Electricity	100%			2052	**	1		
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Terminal Devices Fan Coil Unit/Heat	100%			2037	**	1	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Electric Heater Used In The Building</i>								

Air Conditioning

Energy Source Electricity	100%			2048	**	1		
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Conversion Equipment Exterior Pkg Unit - Cooling	100%			2037	**	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior Wall</i>								
<i>Explanation : Wall Mounted Air Condition Unit At Exterior Of Building</i>								

Distribution Ductwork/Diffusers	100%			LIFE	**	2	\$2,100	
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Heat Rejection Dry Cooler	100%			2037	**	2	\$1,100	
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Ventilation

Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$900	
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Exhaust Fans Interior	100%			2037	**	2	\$100	
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Plumbing

H/C Water Piping Brass/Copper	100%			2052	**	1		
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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY BLDG. 15
Asset # : 14944

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	Water Heater With Tanks								
	Electric	100%			2030	\$23,100	4		
	Sanitary Piping								
	Cast Iron	100%			LIFE	**	1		
	Fixtures								
	Generic	100%							

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FIRE ACADEMY BLDG. 16
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.140 / 14945 **Yr Built/Renovated** :
Area Sq Ft : 1,620 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture		\$400		\$6,300
Interior Architecture		\$300		
Electrical				
Mechanical	\$100	\$300	\$700	\$300
Total	\$100	\$1,000	\$700	\$6,600
Importance Code A		\$400		\$6,300
Importance Code B	\$100	\$600	\$700	\$300
Importance Code C				
Total	\$100	\$1,000	\$700	\$6,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY BLDG. 16
Asset # : 14945

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	95%			2052	**	10	\$1,000	
Wood	5%			2045	**	5	\$800	
Windows								
Aluminum	100%			2048	**	5	\$100	
Roof								
Modified Bitumen	100%			2037	**	10	\$6,300	
Interior								
Floors								
Vinyl Tile	100%			2037	**	3	\$800	
Interior Walls								
Gypsum Board	100%			LIFE	**	5	\$1,200	
Ceilings								
Gypsum Board	100%			LIFE	**	5	\$2,800	
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2045	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2058	**	1		
Panelboards								
Fused Disc Sw	5%			2054	**	5		
Molded Case Bkrs	95%			2054	**	5		
Wiring								
Thermoplastic	100%			2058	**	1		
Lighting								
Interior Lighting								
Fluorescent	100%			2040	**	10	\$1,500	
Egress Lighting								
Emergency, Battery	50%			2040	**	10	\$200	
Exit, Service	50%			2040	**	1		
Exterior Lighting								
LED	20%			2040	**			
No Component	80%							
Alarm								
Security System								
No Component	80%							
Generic	20%			2040	**	1	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY BLDG. 16
Asset # : 14945

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Electricity	100%			2052	**	1		
Terminal Devices								
Fan Coil Unit/Heat	100%			2037	**	1	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Electric Heater Used In The Building</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2048	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	100%			2037	**	2	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior Wall</i>								
<i>Explanation : Wall Mounted Aircondition Unit At Exterior Of Building</i>								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2	\$2,100	
Heat Rejection								
Dry Cooler	100%			2037	**	2	\$1,100	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$900	
Exhaust Fans								
Interior	100%			2037	**	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2052	**	1		
Water Heater With Tanks								
Electric	100%			2030	\$23,100	4		
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FIRE ACADEMY BLDG. 17
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.150 / 14946 **Yr Built/Renovated** :
Area Sq Ft : 2,124 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture		\$1,259,600
Total		\$1,259,600
Importance Code B		\$90,300
Importance Code C		\$1,169,300
Total		\$1,259,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture		\$1,000		\$5,700
Interior Architecture	\$1,800			\$400
Electrical				
Mechanical	\$100	\$400	\$200	\$400
Total	\$1,900	\$1,500	\$200	\$6,500
Importance Code A		\$1,000		\$5,700
Importance Code B	\$1,900	\$400	\$200	\$800
Importance Code C				
Total	\$1,900	\$1,500	\$200	\$6,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
FIRE ACADEMY BLDG. 17
Asset # : 14946

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	95%			2052	**	10	\$2,500	
Wood	5%			2045	**	5	\$2,100	
Windows								
Aluminum	100%			2048	**	5		
Roof								
Modified Bitumen	100%			2037	**	10	\$5,700	
Interior								
Floors								
Vinyl Tile	100%	Now	\$1,800	2032	\$90,300	3	\$1,300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Open Classroom</i>								
Interior Walls								
Fabric on Framing	100%			2033	\$1,169,300	5	\$5,900	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Interior Walls</i>								
<i>Explanation : Vinyl Panels</i>								
Ceilings								
Gypsum Board	100%			LIFE	**	5	\$3,700	
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2045	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2058	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Three 100 Ampere Main Disconnect Switches</i>								
Raceway								
Conduit	100%			2058	**	1		
Panelboards								
Fused Disc Sw	5%			2054	**	5		
Molded Case Bkrs	95%			2054	**	5	\$100	
Wiring								
Thermoplastic	100%			2058	**	1		
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY BLDG. 17
Asset # : 14946

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Interior Lighting Fluorescent	100%			2040	**	10	\$1,900	
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*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%
Location : Throughout The Building*

Egress Lighting Emergency, Battery	50%			2040	**	10	\$300	
Exit, Service	50%			2040	**	1		

Exterior Lighting LED	20%			2040	**			
No Component	80%							

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source Electricity	100%			2052	**	1		
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Terminal Devices Fan Coil Unit/Heat	100%			2037	**	1	\$700	
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*Other Observation, Extent : Light, Area Affected : 100%
Location : Throughout
Explanation : Electric Heater Used In The Building*

Air Conditioning

Energy Source Electricity	100%			2048	**	1		
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Conversion Equipment Exterior Pkg Unit - Cooling	100%			2037	**	2	\$100	
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*Other Observation, Extent : Light, Area Affected : 100%
Location : Exterior Of Building
Explanation : Wall Mounted Air Condition Unit At Exterior Of Building*

Heat Rejection Dry Cooler	100%			2037	**	2	\$1,500	
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Ventilation

Distribution Ductwork/Diffusers	100%			LIFE	**	2-5	\$1,200	
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Exhaust Fans Interior	100%			2037	**	2	\$100	
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Plumbing

H/C Water Piping Brass/Copper	100%			2052	**	1		
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Water Heater With Tanks Electric	100%			2030		4	\$23,100	
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Sanitary Piping Cast Iron	100%			LIFE	**	1		
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*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.*

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

**FIRE DEPARTMENT - 057
 FIRE ACADEMY BLDG. 17
 Asset # : 14946**

Mechanical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Fixtures								
Generic	100%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FIRE ACADEMY BURN BUILDING #5
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.013 / 13554 **Yr Built/Renovated** : 2003 /
Area Sq Ft : 6,083 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 1819 **Lot** : 40 **BIN** : 1085912

CAPITAL		FY 2024 - 2027	FY 2028 - 2033
Electrical			\$88,600
Total			\$88,600
Importance Code B			\$88,600
Total			\$88,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture				\$8,400
Interior Architecture				
Electrical		\$100		
Mechanical		\$100		\$100
Total		\$100		\$8,500
Importance Code A				\$8,400
Importance Code B		\$100		\$100
Importance Code C				
Total		\$100		\$8,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY BURN BUILDING #5
Asset # : 13554

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Exterior

Exterior Walls

Cast in Place Concrete	5%			LIFE	**	5	\$4,100	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Entire Building

Explanation : 2 Story Building, No Basement. This Is A Fire Demonstration Building. No Repair Needed.

Masonry: Brick	95%			LIFE	**	5	\$15,400	
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Windows

Metal Louvers	50%			2041	**	10	\$1,500	
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Steel	50%			2048	**	5	\$3,000	
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Parapets

Not Accessible	100%							
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Roof

Modified Bitumen	100%			2037	**	10	\$8,400	
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Interior

Floors

Cast in Place Concrete	100%			LIFE	**	5	\$19,900	
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Interior Walls

Cast in Place Concrete	20%			LIFE	**			
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Concrete Masonry Unit	80%			LIFE	**	5	\$2,500	
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Ceilings

Exposed Struc: Concrete	100%			LIFE	**	5	\$1,400	
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2042	**	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Outside

Explanation : One 200 Ampere Main Disconnect Switch

Raceway

Conduit	100%			2042	**	1		
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Panelboards

Fused Disc Sw	5%			2040	**	5		
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Molded Case Bkrs	95%			2040	**	5	\$200	
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Wiring

Thermoplastic	100%			2042	**	1		
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Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY BURN BUILDING #5
Asset # : 13554

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting								
Fluorescent	90%			2032	\$79,700	10	\$5,000	
		<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Fluorescent	10%			2032	\$8,900	10	\$600	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Electrical Room</i>						
Exterior Lighting								
HID	20%			2032	\$5,500	10		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Energy Source								
Electricity	20%			2048	**	1		
No Component	80%							
Ventilation								
Exhaust Fans								
Roof	100%			2037	**	2	\$200	
Plumbing								
H/C Water Piping								
Galvanized Steel	10%			2045	**	1		
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : 1st And 2nd Floors</i>						
		<i>Explanation : Standpipe Only</i>						
No Component	90%							
Fire Suppression								
Standpipe								
No Component	90%							
Generic	10%			2052	**	1-5	\$300	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FIRE ACADEMY CLASSROOM BLDG. #11
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.011 / 13552 **Yr Built/Renovated** : 2003 /
Area Sq Ft : 39,768 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Floors 1,2,3,4
Block : 1819 **Lot** : 40 **BIN** : 1085910

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$59,700	\$122,800
Electrical		\$492,100
Mechanical	\$75,400	\$426,900
Total	\$135,000	\$1,041,800
Importance Code A	\$59,700	\$122,800
Importance Code B	\$75,400	\$919,100
Total	\$135,000	\$1,041,800

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$48,000			\$65,800
Interior Architecture	\$5,800	\$16,800	\$4,500	\$2,200
Electrical	\$2,200	\$2,700	\$2,400	\$3,200
Mechanical	\$7,200	\$10,800	\$9,300	\$17,000
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$67,100	\$34,300	\$20,100	\$92,200
Importance Code A	\$50,000	\$2,000	\$2,000	\$68,300
Importance Code B	\$17,100	\$32,300	\$18,100	\$23,900
Importance Code C				
Total	\$67,100	\$34,300	\$20,100	\$92,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
FIRE ACADEMY CLASSROOM BLDG. #11
Asset # : 13552

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick Cavity	50%	0-2	\$59,700	LIFE	**	5	\$35,100	
	<i>Efflorescence, Extent : Light, Area Affected : 5%</i>							
	<i>Location : North Facade</i>							
	<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : North Facade</i>							
Metal Panel	35%			2052	**	5-10	\$168,800	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Connector From Building 9 To 11 And At Mechanical Penthouse</i>							
	<i>Explanation : Corrugated Metal Panel</i>							
Window Wall	15%			2052	**	5	\$39,500	
Windows								
Aluminum	95%	Now	\$11,800	2048	**	5	\$6,300	
	<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>							
	<i>Location : 2nd Floor Stair Landing, South Facade</i>							
Metal Louvers	5%			2041	**	10	\$4,200	
Parapets								
Concrete Masonry Unit	82%			LIFE	**	5	\$7,300	
Metal Panel	5%	0-2	\$600	2052	**	5	\$800	
	<i>Seams Open/Split, Extent : Moderate, Area Affected : 25%</i>							
	<i>Location : Coping Cap</i>							
Metal Rail	5%	2-4	\$1,300	2045	**	5	\$2,800	
	<i>Deteriorated Finish, Extent : Moderate, Area Affected : 50%</i>							
	<i>Location : Guardrail At Roof</i>							
Pre-Cast Concrete	8%			LIFE	**	5	\$3,900	
Roof								
IRMA/Protected Membrane	100%	Now	\$34,300	2037	**			
	<i>Broken Paver Blocks, Extent : Moderate, Area Affected : 40%</i>							
	<i>Location : Rooftop Walkways</i>							
	<i>Debris Present, Extent : Moderate, Area Affected : 15%</i>							
	<i>Location : Rooftop</i>							
	<i>Insul Miss/Displaced, Extent : Moderate, Area Affected : 15%</i>							
	<i>Location : Various Locations Throughout</i>							
	<i>Paver Block Ballast, Extent : Light, Area Affected : 35%</i>							
	<i>Location : Rooftop Walkways</i>							
	<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>							
	<i>Location : Lower Roof On North West Corner Of Building. Above New Cafeteria</i>							

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY CLASSROOM BLDG. #11
Asset # : 13552

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Floors

Carpet	5%			2031	\$51,400	3	\$4,500	
Cast in Place Concrete	10%			LIFE	**	5	\$13,000	
Ceramic Tile	15%			2041	**	5	\$8,900	
Sheet Vinyl/Rubber	5%			2037	**	5	\$4,500	

Other Observation, Extent : Light, Area Affected : 100%

Location : 3rd Floor

Explanation : Gymnasium Floor

Vinyl Tile	65%			2037	**	3	\$14,500	
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Interior Walls

Concrete Masonry Unit	45%			LIFE	**	5	\$5,800	
Gypsum Board	35%			LIFE	**	5	\$6,800	
Masonry: Brick	13%			LIFE	**			

Other Observation, Extent : Light, Area Affected : 100%

Location : Throughout

Explanation : Component Is Actually A Veneer

Metal Panel	7%			LIFE	**			
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Ceilings

AcousTileSusp.Lay-In	35%			2045	**	5	\$20,900	
Exposed Struc: Steel	50%			LIFE	**			
Metal Panel	15%	Now	\$5,800	LIFE	**	5	\$11,200	

Water Penetration, Extent : Severe, Area Affected : 5%

Location : Drop Soffit At North West Corner Of New Cafeteria

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%			2045	**			
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Parking/Driveway

Asphalt	100%			2041	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2042	**	5	\$1,000	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room

Explanation : One 1,200 Ampere Main Disconnect Switch

Switchgear / Switchboard

Molded Case Bkrs	100%			2042	**	5	\$1,000	
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Raceway

Conduit	100%			2042	**	1		
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Panelboards

Fused Disc Sw	5%			2040	**	5		
Molded Case Bkrs	95%			2040	**	5	\$1,000	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY CLASSROOM BLDG. #11
Asset # : 13552

Electrical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Under 600 Volts							
Wiring							
Thermoplastic	100%			2042	**	1	
Motor Controllers							
Locally Mounted	10%			2037	**	5	
Variable Frequency Drive	90%			2037	**		
Ground							
Grounding Devices							
Generic	100%			LIFE	**	5	\$600
Stand-by Power							
Transfer Switches							
Automatic	100%			2037	**	1	\$12,200
Lighting							
Interior Lighting							
Fluorescent	85%		2032	\$492,100	10		\$31,000
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
		<i>Location : Throughout The Building</i>					
		<i>Explanation : T-8 Lamps</i>					
LED	15%		2040	**			
Egress Lighting							
Emergency, Service	50%		2032	\$12,000	1		
Emergency, Battery	10%		2032	\$6,500	10		\$1,000
Exit, LED	40%		2047	**	1		
Exterior Lighting							
HID	10%		2032	\$18,100	10		
LED	10%		2040	**			
No Component	80%						
Alarm							
Security System							
No Component	80%						
Generic	10%		2032	\$7,300	1		\$1,500
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
		<i>Location : Outside</i>					
		<i>Explanation : CCTV Surveillance Cameras</i>					
Generic	10%		2032	\$7,300	1		\$1,500
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
		<i>Location : Hallways And Exit Doors</i>					
		<i>Explanation : Intrusion Alarm And Motion Sensor</i>					
Fire/Smoke Detection							
No Component	70%						
Generic, Digital	30%		2032	\$30,100	1-3		\$7,300
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
		<i>Location : Throughout The Building</i>					
		<i>Explanation : Strobe Lights, Horns, Manual Pull Stations, Smoke Detectors And Alarm Bells</i>					

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY CLASSROOM BLDG. #11
Asset # : 13552

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil No 2	100%			2052	**	5	\$12,300	
Conversion Equipment								
Hot Water Boiler	100%			2045	**	1	\$19,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : Two Units Which Are Serving Adjacent Building No.12 As Well.</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2048	**	4	\$2,900	
Terminal Devices								
Air Handler	70%			2037	**	1	\$17,200	
Convactor/Radiator	20%			2045	**	1	\$2,600	
Fan Coil Unit/Heat	10%			2037	**	1	\$1,300	
Air Conditioning								
Energy Source								
Electricity	100%			2048	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	80%			2032	\$340,700	2	\$2,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : R-22</i>								
Window/Wall Unit	5%			2030	\$7,400	1		
No Component	15%							
Heat Rejection								
Air Cooled Condenser Unit	100%			2037	**	2	\$27,700	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$22,200	
Exhaust Fans								
Roof	100%			2027	\$75,400	2	\$1,200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2052	**	1		
Water Heater With Tanks								
Oil Fired	100%			2030	\$86,200	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : Two 250 Gallon Tanks</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY CLASSROOM BLDG. #11
Asset # : 13552

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Backflow Preventer Generic	100%			2037	**	1	\$2,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Water Meter Room</i>								
<i>Explanation : Two Units. One For Sprinkler And One For Water Main.</i>								
<hr/>								
Fixtures								
Generic	100%							
<hr/>								
Vertical Transport								
Elevators								
Geared Traction	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st To 4th Floor</i>								
<i>Explanation : One Unit</i>								
<hr/>								
Fire Suppression								
Sprinkler								
Generic	100%			2052	**	1-2	\$11,100	
<hr/>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FIRE ACADEMY FIRE SIMULATOR BLDG #2
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.010 / 1857 **Yr Built/Renovated** : 1975 /
Area Sq Ft : 6,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Floors 1
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture		\$2,400		
Interior Architecture				
Electrical			\$100	\$5,500
Mechanical			\$500	
Total		\$2,400	\$600	\$5,500
Importance Code A		\$2,400		
Importance Code B			\$600	\$5,500
Importance Code C				
Total		\$2,400	\$600	\$5,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
FIRE ACADEMY FIRE SIMULATOR BLDG #2
Asset # : 1857

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	90%			LIFE	**	5	\$13,700	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : On Site</i>								
<i>Explanation : Training Building</i>								
Metal Sect. OHD	10%			2045	**	5	\$4,800	
Windows								
Aluminum	5%			2048	**	5		
No Component	95%							
Parapets								
Masonry: Brick	100%			LIFE	**	5	\$2,900	
Roof								
Not Accessible	100%							
Interior								
Floors								
Cast in Place Concrete	100%			LIFE	**	5	\$18,800	
Interior Walls								
Concrete Masonry Unit	100%			LIFE	**	5	\$2,600	
Ceilings								
Exposed Struc: Concrete	100%			LIFE	**	5	\$1,300	
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2045	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2032	\$3,700	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>								
Raceway								
Conduit	100%			2032	\$4,300	1		
Panelboards								
Molded Case Bkrs	100%			2031	\$9,700	5	\$200	
Wiring								
Thermoplastic	100%			2032	\$8,800	1		
Lighting								
Exterior Lighting								
HID	20%			2027	\$5,500	10		
No Component	80%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY FIRE SIMULATOR BLDG #2
Asset # : 1857

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,300
Exhaust Fans								
	Roof	100%			2032	\$11,400	2	\$200
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2042	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FIRE ACADEMY FIRE SIMULATOR BLDG #4
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.030 / 1832 **Yr Built/Renovated** : 1975 /
Area Sq Ft : 4,320 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 1819 **Lot** : 40 **BIN** :

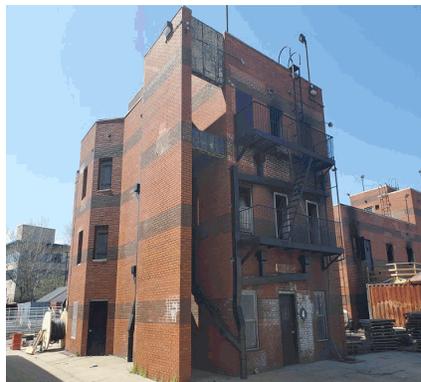
CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture				
Interior Architecture				
Electrical			\$100	\$3,900
Total			\$100	\$3,900
Importance Code A				
Importance Code B			\$100	\$3,900
Importance Code C				
Total			\$100	\$3,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
FIRE ACADEMY FIRE SIMULATOR BLDG #4
Asset # : 1832

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Exterior

Exterior Walls

Masonry: Brick	100%			LIFE	**	5	\$39,000	
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Windows

Aluminum	5%			2048	**	5	\$100	
No Component	95%							

Parapets

Not Accessible	100%							
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Roof

Not Accessible	100%							
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Interior

Floors

Cast in Place Concrete	100%			LIFE	**	5	\$43,700	
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Interior Walls

Concrete Masonry Unit	100%			LIFE	**	5	\$11,000	
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Ceilings

Exposed Struc: Concrete	100%			LIFE	**	5	\$3,100	
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Site Pavements

On-Site Walkways

Cast in Place Concrete	100%			2045	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2032	\$3,700	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : First Floor

Explanation : One 200 Ampere Main Disconnect Switch

Raceway

Conduit	100%			2032	\$4,300	1		
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Panelboards

Molded Case Bkrs	100%			2031	\$9,700	5	\$100	
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Wiring

Thermoplastic	100%			2032	\$8,800	1		
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Lighting

Exterior Lighting

HID	20%			2027	\$3,900	10		
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No Component	80%							
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Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Plumbing

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY FIRE SIMULATOR BLDG #4
Asset # : 1832

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	H/C Water Piping Brass/Copper	100%			2052	**	1	
	Sanitary Piping Cast Iron	100%			LIFE	**	1	
	Fixtures Generic	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FIRE ACADEMY FIRE TRAINING BLDG #3
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.020 / 1989 **Yr Built/Renovated** : 1975 /
Area Sq Ft : 4,150 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Floors 1
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture				\$2,500
Interior Architecture				
Electrical			\$100	
Mechanical				\$100
Total			\$100	\$2,600
Importance Code A				\$2,500
Importance Code B			\$100	\$100
Importance Code C				
Total			\$100	\$2,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
FIRE ACADEMY FIRE TRAINING BLDG #3
Asset # : 1989

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Exterior

Exterior Walls

Masonry: Brick

90%

LIFE

* *

5

\$14,400

*Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout**Explanation : Training Apparatus For The Fire Department*

Metal Coiling Doors

10%

2037

* *

5

\$5,000

Windows

Aluminum

5%

2040

* *

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout**Explanation : Training Apparatus For The Fire Department*

No Component

95%

Parapets

Masonry: Brick

100%

LIFE

* *

5

\$500

Roof

Not Accessible

100%

Interior

Floors

Cast in Place Concrete

100%

LIFE

* *

5

\$13,300

Interior Walls

Concrete Masonry Unit

100%

LIFE

* *

5

\$4,700

Ceilings

Exposed Struc: Concrete

100%

LIFE

* *

5

\$1,300

Site Pavements

On-Site Walkways

Cast in Place Concrete

100%

2045

* *

Electrical**Current Repair****Future Replacement****Maintenance**

System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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Under 600 Volts

Service Equipment

Fused Disc Sw

100%

2032

\$3,700

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside**Explanation : One 200 Ampere Main Disconnect Switch*

Raceway

Conduit

100%

2032

\$4,300

1

Panelboards

Molded Case Bkrs

100%

2031

\$9,700

5

\$100

Wiring

Thermoplastic

100%

2032

\$8,800

1

Lighting

Exterior Lighting

HID

20%

2032

\$3,800

10

No Component

80%

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY FIRE TRAINING BLDG #3
Asset # : 1989

Mechanical System Component Type	Current Repair			Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
H/C Water Piping Galvanized Steel	10%			2037	**	1		
	<i>Other Observation, Extent : Light, Area Affected : 10%</i>							
	<i>Location : 2 Floors</i>							
	<i>Explanation : For Demonstration. Standpipe Only</i>							
No Component	90%							
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
	<i>Other Observation, Extent : Light, Area Affected : 10%</i>							
	<i>Location : 1, 2, Roof</i>							
	<i>Explanation : Roof Drains Only</i>							
Fire Suppression								
Standpipe								
No Component	90%							
Generic	10%			2042	**	1-5	\$200	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name	: FIRE ACADEMY FIRST LINE SUPERVISORS BLDG #8		
Address	: RANDALLS ISLAND		
Borough	: MANHATTAN	Agency's Number	: N/A
Program / Asset #	: FIR0003.070 / 1992	Yr Built/Renovated	: 1975 / 2008
Area Sq Ft	: 9,594	Project Type	: FIRE DEPARTMENT
Date of Survey	: 07-Apr-2021	Landmark Status	: NONE
Areas Surveyed	: Roof, Floors 1,2		
Block	: 1819	Lot	: 40
		BIN	:

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$289,100	
Electrical		\$153,800
Total	\$289,100	\$153,800
Importance Code A	\$289,100	
Importance Code B		\$153,800
Total	\$289,100	\$153,800

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$27,400	\$100		
Interior Architecture	\$21,800		\$500	\$1,400
Electrical	\$300	\$300	\$400	\$11,400
Mechanical	\$2,100	\$800	\$1,600	\$30,700
Site Pavements	\$500			
Total	\$52,100	\$1,200	\$2,500	\$43,400
Importance Code A	\$27,900	\$600	\$500	\$500
Importance Code B	\$23,700	\$700	\$1,900	\$42,900
Importance Code C	\$500		\$200	
Total	\$52,100	\$1,200	\$2,500	\$43,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY FIRST LINE SUPERVISORS BLDG #8
Asset # : 1992

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick Cavity	83%	0-2	\$148,400	LIFE	**	5	\$17,400	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : East, South Façade At Windows, Base Of Building, Chimney Flue, Various Locations And West Façade At Entry Door</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : At Wall Penetrations</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Door Thresholds At South Facade</i>								
Weathering Steel	7%			LIFE	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : North Façade</i>								
<i>Explanation : This Is An Exterior Egress Stair</i>								
Wood Overhead Doors	10%	Now	\$17,700	2037	**	5	\$5,300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : North Façade</i>								
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : North Façade</i>								
Windows								
Aluminum	70%	Now	\$5,200	2040	**	5	\$200	
<i>Air Infiltration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : All Windows</i>								
<i>Bent/Warped Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd Floor Window Sills</i>								
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd Floor Windows</i>								
Aluminum	30%			2040	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Ground Floor</i>								
<i>Explanation : Protective Metal Grilles</i>								
Parapets								
Masonry: Brick Cavity	90%	0-2	\$3,700	LIFE	**	5	\$1,900	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations. Exterior Parapet Wall</i>								
Pre-Cast Concrete	10%	Now	\$800	LIFE	**	5	\$1,300	
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Lower Roof Copings</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY FIRST LINE SUPERVISORS BLDG #8
Asset # : 1992

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	100%	Now	\$140,800	2042	**			1
<i>Blisters, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Perimeter Flashing, Lower Roof</i>								
<i>Ponding, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Upper And Lower Roofs</i>								
<i>Seams Open/Split, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Bathroom And First Floor Room 1</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Upper And Lower Roofs</i>								
Interior								
Floors								
Cast in Place Concrete	30%	0-2	\$6,000	LIFE	**	5	\$8,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Thresholds Below Overhead Doors And Apparatus Floor</i>								
Ceramic Tile	5%			2041	**	5	\$600	
Quarry Tile	5%			2037	**	5	\$900	
Vinyl Tile	60%	Now	\$3,900	2037	**	3	\$2,700	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Locker Room</i>								
<i>Uneven Substrate, Extent : Severe, Area Affected : 15%</i>								
<i>Location : 1st Floor, Locker Rooms And Offices</i>								
Interior Walls								
Ceramic Tile	5%			2041	**	5	\$400	
Concrete Masonry Unit	60%			LIFE	**	5	\$1,900	
Gypsum Board	15%			LIFE	**	5	\$700	
SGFT/Glazed Masonry	20%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	60%	Now	\$11,800	2045	**	5	\$3,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Meter Room, Logistics, Hazmat, Office Area</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Room 1</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Room 1, 2nd Floor Bathroom, Storage Rooms</i>								
Exposed Struc: Steel	25%			LIFE	**			
Gypsum Board	15%			LIFE	**	5	\$2,300	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2052	**			
Site Pavements								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY FIRST LINE SUPERVISORS BLDG #8
Asset # : 1992

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%	Now	\$500	2045		**		
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*Cracking/Crumbling, Extent : Light, Area Affected : 15%**Location : Apron At Overhead Doors, Ramp*

Parking/Driveway

Asphalt	100%			2041		**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2032	\$7,400	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room**Explanation : Two 400 Ampere Main Disconnect Switches*

Raceway

Conduit	100%			2032	\$15,800	1		
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Panelboards

Fused Disc Sw	10%			2031	\$2,900	5		
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Molded Case Bkrs	90%			2031	\$26,300	5	\$200	
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Wiring

Thermoplastic	100%			2032	\$20,900	1		
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Motor Controllers

Locally Mounted	100%			2030	\$70,000	5	\$100	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Stand-by Power

Transfer Switches

Automatic	100%			2030	\$26,200	1	\$3,000	
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Lighting

Interior Lighting

Fluorescent	60%			2032	\$83,800	10	\$5,300	
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*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : Second Floor And Staircases*

LED	40%			2040	**			
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Egress Lighting

Emergency, Battery	50%			2027	\$7,900	10	\$1,200	
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Exit, Service	50%			2027	\$2,000	1		
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Exterior Lighting

LED	20%			2040	**			
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No Component	80%							
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY FIRST LINE SUPERVISORS BLDG #8
Asset # : 1992

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Fuel Oil No 2	100%			2042	**	5	\$3,000	
Conversion Equipment								
Hot Water Boiler	100%			2037	**	1	\$4,700	
<i>Boiler Used For Hot Water, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2040	**	4	\$700	
Terminal Devices								
Air Handler	20%			2032	\$35,300	1	\$1,200	
Convactor/Radiator	70%			2037	**	1	\$2,200	
Unit Heater - Steam	10%			2032	\$5,300	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2040	**	1		
Conversion Equipment								
Window/Wall Unit	80%			2027	\$28,400	1		
No Component	20%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,400	
Exhaust Fans								
Roof	20%			2032	\$3,600	2	\$100	
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2042	**	1		
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sewage Ejector(s)								
Electric	100%	Now	\$1,000	2037	**	4	\$400	
<i>Broken, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Sewer Ejectors Located In Pit Adjacent To Building, One Pump Out Of Service And Another Has Float Problem</i>								
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	85%							
Generic	15%			2042	**	1-2	\$400	

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FIRE ACADEMY LIBRARY - BLDG. #13
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.120 / 14099 **Yr Built/Renovated** : 1975 /
Area Sq Ft : 3,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$37,500			
Interior Architecture	\$7,300	\$300	\$500	\$100
Electrical				\$2,900
Mechanical	\$100	\$400	\$200	\$400
Total	\$45,000	\$800	\$700	\$3,400
Importance Code A	\$37,500			
Importance Code B	\$3,400	\$800	\$400	\$3,400
Importance Code C	\$4,100		\$400	
Total	\$45,000	\$800	\$700	\$3,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
FIRE ACADEMY LIBRARY - BLDG. #13
Asset # : 14099

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Concrete Masonry Unit	98%	Now	\$36,500	LIFE	**	5	\$4,400	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>								
<i>Location : All Facades</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Facades</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Various Locations In All Facades, Base Of Building</i>								
Glass Block	2%	Now	\$300	LIFE	**	5	\$100	
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Library Area</i>								
Windows								
Aluminum	100%			2048	**	5	\$800	
Parapets								
Not Accessible	100%							
Roof								
Skylight, Metal/Glass Sloped Glazing	7%			2052	**	10	\$1,700	
	3%	Now	\$700	LIFE	**	5	\$3,000	
<i>Water Penetration, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Entrance Foyer</i>								
Not Accessible	90%							
Interior								
Floors								
Carpet	5%	2-4	\$100	2031	\$3,400	3	\$300	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Office</i>								
Ceramic Tile	5%			2041	**	5	\$200	
Slate	20%			LIFE	**	5	\$800	
Vinyl Tile	70%			2037	**	3	\$1,000	
Interior Walls								
Ceramic Tile	5%			2041	**	5	\$800	
Gypsum Board	95%	Now	\$4,100	LIFE	**	5	\$9,000	
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Around Windows In Library</i>								
Ceilings								
AcousTileSusp.Lay-In	100%	Now	\$3,200	2045	**	5	\$2,000	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Toilets, Library Area, Mechanical Room</i>								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2045	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY LIBRARY - BLDG. #13
Asset # : 14099

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2052	**	1		
Panelboards								
Fused Disc Sw	5%			2048	**	5		
Molded Case Bkrs	95%			2048	**	5	\$100	
Wiring								
Thermoplastic	100%			2052	**	1		
Motor Controllers								
Locally Mounted	100%			2045	**	5		
Lighting								
Interior Lighting								
Fluorescent	90%			2037	**	10	\$2,500	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
LED	10%			2037	**			
Egress Lighting								
Emergency, Battery	50%			2037	**	10	\$400	
Exit, Service	50%			2037	**	1		
Exterior Lighting								
Fluorescent	20%			2037	**	10	\$100	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Exterior Wall Perimeter</i>								
No Component	80%							
Alarm								
Security System								
No Component	80%							
Generic	20%			2037	**	1	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Meeting Room, Hallway And Exit Doors</i>								
<i>Explanation : Intrusion Alarm And Motion Sensor</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Electricity	100%			2052	**	1		
Terminal Devices								
Fan Coil Unit/Heat	100%			2037	**	1	\$1,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Baseboard Electric Heater Used In Building</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2048	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY LIBRARY - BLDG. #13
Asset # : 14099

Mechanical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Air Conditioning							
Conversion Equipment							
Interior Pkg Unit - Cooling	100%			2033	\$46,300	2	\$200
Terminal Devices							
Air Handler/Dir Expansion	60%			2037	**	1	
No Component	40%						
Heat Rejection							
Air Cooled Condenser Unit	60%			2037	**	2	\$1,300
No Component	40%						
Ventilation							
Distribution							
Ductwork/Diffusers	60%			LIFE	**	2-5	\$1,000
No Component	40%						
Plumbing							
H/C Water Piping							
Brass/Copper	100%			2052	**	1	
Water Heater With Tanks							
Electric	100%			2030	\$23,100	4	
Sanitary Piping							
Cast Iron	100%			LIFE	**	1	
Fixtures							
Generic	100%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FIRE ACADEMY MAINTENANCE AND STORAGE BLDG. 10
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.090 / 1833 **Yr Built/Renovated** : 1983 /
Area Sq Ft : 4,800 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,Mez
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture		\$1,100		\$18,600
Interior Architecture	\$4,100			
Electrical				\$30,700
Mechanical	\$400	\$900	\$600	\$1,700
Site Pavements	\$2,100			
Total	\$6,600	\$2,100	\$700	\$51,000
Importance Code A	\$200	\$1,300	\$200	\$18,800
Importance Code B	\$3,700	\$800	\$400	\$32,200
Importance Code C	\$2,600			
Total	\$6,600	\$2,100	\$700	\$51,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
FIRE ACADEMY MAINTENANCE AND STORAGE BLDG. 10
Asset # : 1833

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Metal, Corrugated	95%			2052	**	1		
Metal Sect. OHD	5%			2045	**	5	\$2,200	
Windows								
Metal Clad	2%			2048	**	5		
No Component	98%							
Roof								
Built-Up (BUR)	100%			2037	**	10	\$18,600	
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$10,700	
Ceramic Tile	2%	Now	\$3,600	2047	**	5	\$100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Toilet Room</i>								
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Toilet Room</i>								
Steel Grating	35%			2052	**	1		
Vinyl Tile	3%			2037	**	3	\$100	
Interior Walls								
Concrete Masonry Unit	5%			LIFE	**	5	\$300	
Gypsum Board	5%	Now	\$500	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Interior Wall At Perimeter</i>								
No Component	90%							
Ceilings								
Gypsum Board	100%			LIFE	**	5	\$11,900	
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$2,100	2045	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Rear Of Building</i>								
Parking/Driveway								
Asphalt	100%			2041	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2032	\$3,700	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : First Floor</i>								
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>								
Raceway								
Conduit	80%			2032	\$3,500	1		
Conduit	20%			2042	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY MAINTENANCE AND STORAGE BLDG. 10
Asset # : 1833

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Fused Disc Sw	1%			2040	**	5		
Fused Disc Sw	4%			2040	**	5		
Molded Case Bkrs	20%			2040	**	5		
Molded Case Bkrs	75%			2031	\$7,300	5	\$100	
Wiring								
Thermoplastic	80%			2032	\$7,100	1		
Thermoplastic	20%			2042	**	1		
Motor Controllers								
Locally Mounted	100%			2030	\$11,200	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Manual	100%			2032	\$10,600	5		
Lighting								
Interior Lighting								
Fluorescent	30%			2032	\$10,000	10	\$1,300	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Second Floor</i>						
Fluorescent	70%			2027	\$23,200	10	\$3,100	
		<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : First And Second Floor</i>						
Exterior Lighting								
HID	20%			2027	\$4,400	10		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil	100%			2052	**	5	\$1,500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : 500 Gallon Oil</i>						
Conversion Equipment								
Hot Water Boiler	100%			2045	**	1	\$2,400	
Distribution								
Hot Wtr Piping/Pump	100%			2048	**	4	\$400	
Air Conditioning								
Energy Source								
Electricity	100%			2048	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY MAINTENANCE AND STORAGE BLDG. 10
Asset # : 1833

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Split Unit	80%			2037	**		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : 2 Units</i>								
	Window/Wall Unit	20%			2030	\$3,600	1	
Heat Rejection								
	Air Cooled Condenser Unit	100%			2037	**	2	\$3,300
Ventilation								
Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$2,700
Exhaust Fans								
	Roof	100%			2037	**	2	\$100
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2052	**	1	
Water Heater With Tanks								
	Electric	100%			2030	\$23,100	4	
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1	
Fixtures								
	Generic	100%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FIRE ACADEMY MASK SERVICE UNIT BLDG #7
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.060 / 1991 **Yr Built/Renovated** : 1975 / 2004
Area Sq Ft : 10,534 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture		\$67,800
Electrical		\$313,900
Mechanical	\$127,500	\$109,300
Total	\$127,500	\$491,000
Importance Code A		\$109,300
Importance Code B	\$127,500	\$381,700
Total	\$127,500	\$491,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$16,000	\$1,600		\$400
Interior Architecture	\$42,200	\$1,500	\$200	\$300
Electrical	\$400	\$400	\$400	\$500
Mechanical	\$1,400	\$1,000	\$1,900	\$22,900
Total	\$60,000	\$4,500	\$2,600	\$24,000
Importance Code A	\$16,600	\$2,100	\$500	\$900
Importance Code B	\$41,500	\$2,400	\$2,000	\$23,100
Importance Code C	\$1,900			
Total	\$60,000	\$4,500	\$2,600	\$24,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY MASK SERVICE UNIT BLDG #7
Asset # : 1991

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick Cavity	54%			LIFE	**	5	\$3,700	
Masonry: Brick Cavity	20%	0-2	\$5,900	LIFE	**	5	\$1,400	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Story And Rear Walls</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : At Expansion Joints And Window Openings</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout Side And Rear Elevations</i>								
Metal, Corrugated	8%			2052	**	1		
Metal Sect. OHD	15%			2045	**	5	\$3,300	
Window Wall	3%			2052	**	5	\$800	
Windows								
Aluminum	65%	Now	\$2,200	2057	**	5		1
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Story And Rear Windows At Sills</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 2nd Story</i>								
Aluminum	35%			2048	**	5		
Parapets								
Masonry: Brick Cavity	60%			LIFE	**	5	\$1,700	
Masonry: Brick Cavity	25%	Now	\$3,600	LIFE	**	5	\$700	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Rear Of Building 1 Story Structure</i>								
Pre-Cast Concrete	10%			LIFE	**	5	\$1,800	
Pre-Cast Concrete	5%			LIFE	**	5	\$900	
Roof								
Built-Up (BUR)	30%			2032	\$40,300	10	\$3,500	
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Yard</i>								
<i>Explanation : Wood Deck</i>								
Modified Bitumen	70%	Now	\$4,400	2037	**			
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Shed Roof Into Electrical Room Below</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$6,900	
Ceramic Tile	5%			2041	**	5	\$300	
Quarry Tile	5%			2045	**	5	\$500	
Vinyl Tile	40%	Now	\$3,400	2032	\$67,800	3	\$900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Various Work Rooms Throughout, 2nd Story Stairs</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY MASK SERVICE UNIT BLDG #7
Asset # : 1991

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Interior Walls

Ceramic Tile	3%			2041	**	5	\$100	
Concrete Masonry Unit	42%			LIFE	**	5	\$500	
Gypsum Board	15%			LIFE	**	5	\$200	
SGFT/Glazed Masonry	40%	Now	\$1,900	LIFE	**			

Cracking/Crumbling, Extent : Moderate, Area Affected : 5%

Location : Apparatus Room

Ceilings

AcousTileSusp.Lay-In	40%			2045	**	5	\$2,500	
Exposed Struc: Steel	50%	0-2	\$36,900	LIFE	**			

Paint Peeling, Extent : Moderate, Area Affected : 50%

Location : Throughout Ceiling Of Original Building

Water Penetration, Extent : Severe, Area Affected : 5%

Location : Electrical Room

Gypsum Board	10%			LIFE	**	5	\$800	
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Site Pavements

Parking/Driveway

Asphalt	100%			2035	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2042	**	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room

Explanation : Two 400 Ampere Main Disconnect Switches

Switchgear / Switchboard

Molded Case Bkrs	100%			2032	\$105,800	5	\$300	
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Raceway

Conduit	90%			2032	\$22,600	1		
Conduit	10%			2058	**	1		

Panelboards

Fused Disc Sw	6%			2031	\$2,300	5		
Fused Disc Sw	4%			2054	**	5		
Molded Case Bkrs	65%			2031	\$25,300	5	\$200	
Molded Case Bkrs	25%			2054	**	5	\$100	

Wiring

Thermoplastic	75%			2032	\$21,000	1		
Thermoplastic	25%			2058	**	1		

Motor Controllers

Locally Mounted	100%			2030	\$70,000	5	\$100	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY MASK SERVICE UNIT BLDG #7
Asset # : 1991

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Transfer Switches								
Automatic	100%			2037	**	1	\$3,200	
Lighting								
Interior Lighting								
Fluorescent	86%			2032	\$131,900	10	\$8,300	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Fluorescent	4%			2032	\$6,100	10	\$400	
		<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Hallway</i>						
LED	10%			2040	**			
Egress Lighting								
Emergency, Battery	50%			2040	**	10	\$1,300	
Exit, Service	50%			2040	**	1		
Exterior Lighting								
LED	20%			2040	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil No 2	100%			2042	**	5	\$3,300	
Conversion Equipment								
Hot Water Boiler	100%			2030	\$109,300	1	\$5,200	
		<i>Boiler Used For Hot Water, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Boiler Room</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Boiler Room</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Hot Wtr Piping/Pump	100%			2040	**	4	\$800	
Terminal Devices								
Convactor/Radiator	30%			2030	\$25,200	1	\$1,000	
Fan Coil Unit/Heat	50%			2027	\$127,500	1	\$1,700	
Fan Coil Unit/Heat	20%			2037	**	1	\$700	
Air Conditioning								
Energy Source								
Electricity	100%			2040	**	1		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY MASK SERVICE UNIT BLDG #7
Asset # : 1991

Mechanical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Air Conditioning							
Conversion Equipment							
Exterior Pkg Unit - Cooling	20%			2037	**	2	\$100
	<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>						
	<i>Location : Roof</i>						
	<i>Explanation : Using 410a Refrigerant</i>						
Split Unit	10%			2032	\$24,400		
Window/Wall Unit	40%			2027	\$15,600	1	
No Component	30%						
Terminal Devices							
Fan Coil - 2 Pipe	10%			2032	\$22,000	1	\$300
No Component	90%						
Ventilation							
Distribution							
Ductwork/Diffusers	80%			LIFE	**	2-5	\$4,700
Ductwork/Diffusers	20%			LIFE	**	2-5	\$1,200
	<i>Recent Installation, Extent : Light, Area Affected : 20%</i>						
	<i>Location : Throughout</i>						
Exhaust Fans							
Roof	100%			2032	\$20,000	2	\$300
Plumbing							
H/C Water Piping							
Brass/Copper	100%			2042	**	1	
Sanitary Piping							
Cast Iron	100%			LIFE	**	1	
Storm Drain Piping							
Cast Iron	100%			LIFE	**	1	
Backflow Preventer							
Generic	100%			2027	\$4,600	1	\$600
	<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
	<i>Location : 1st Floor</i>						
	<i>Explanation : Backflow Preventor Only With Sprinkler System.</i>						
Fixtures							
Generic	100%						
Fire Suppression							
Sprinkler							
No Component	75%						
Generic	25%			2042	**	1-2	\$700

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022 **FIRE DEPARTMENT - FY 2023**

Asset Name : FIRE ACADEMY PROBIE PAVILION
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.160 / 15360 **Yr Built/Renovated** :
Area Sq Ft : 1,200 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : **Lot** : **BIN** :

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture				\$21,400
Electrical				
Mechanical				
Total				\$21,500
Importance Code A				\$21,400
Importance Code B				
Total				\$21,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
FIRE ACADEMY PROBIE PAVILION
Asset # : 15360

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Wood	25%			2052	**	5	\$3,200	
	<i>Recent Construction, Extent : N/A, Area Affected : 100%</i>							
	<i>Location : Exterior Walls For Electrical Storage Room</i>							
No Component	75%							
Roof								
Asphalt Shingle	100%			2047	**	10	\$1,200	
	<i>Recent Construction, Extent : N/A, Area Affected : 100%</i>							
	<i>Location : Roof</i>							
Soffits								
Wood	100%			2052	**	5	\$37,400	
	<i>Recent Construction, Extent : N/A, Area Affected : 100%</i>							
	<i>Location : Underside Of Pavilion</i>							
Interior								
Floors								
Under Construction	100%							
Interior Walls								
No Component	90%							
Under Construction	10%							
Ceilings								
No Component	80%							
Under Construction	20%							
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2052	**			
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Raceway								
Conduit	100%			2062	**	1		
Panelboards								
Molded Case Bkrs	100%			2057	**	5		
Wiring								
Thermoplastic	100%			2062	**	1		
Lighting								
Interior Lighting								
LED	100%			2042	**			
Exterior Lighting								
LED	20%			2042	**			
No Component	80%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY PROBIE PAVILION
Asset # : 15360

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation									
Exhaust Fans									
	Interior	20%			2042		**	2	
<i>Other Observation, Extent : N/A, Area Affected : 20%</i>									
<i>Location : Attic</i>									
<i>Explanation : Small Exhaust Fan Located At The Attic</i>									
	No Component	80%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FIRE ACADEMY SUBWAY SIMULATOR, BLDG. 14
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.014 / 13719 **Yr Built/Renovated** : 2005 /
Area Sq Ft : 5,753 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Floors 1
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture		\$2,400		\$16,400
Interior Architecture		\$500		
Electrical		\$100		
Mechanical	\$14,400	\$600	\$900	\$1,400
Total	\$14,400	\$3,600	\$900	\$17,800
Importance Code A	\$300	\$2,700	\$300	\$16,700
Importance Code B	\$14,100	\$900	\$600	\$1,100
Importance Code C				
Total	\$14,400	\$3,600	\$900	\$17,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
FIRE ACADEMY SUBWAY SIMULATOR, BLDG. 14
Asset # : 13719

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Concrete Masonry Unit	90%			LIFE	**	5	\$8,600	
<i>Efflorescence, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Metal Coiling Doors	10%			2045	**	5	\$4,800	
Windows								
Metal Louvers	100%			2041	**	10	\$2,500	
Parapets								
Concrete Masonry Unit	85%			LIFE	**	5	\$2,800	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Inside Of Parapet Wall</i>								
<i>Explanation : Covered With Modified Bitumen Roofing</i>								
Metal Panel	5%			2052	**	5	\$600	
Pre-Cast Concrete	10%			LIFE	**	5	\$1,900	
Roof								
Built-Up (BUR)	80%			2037	**	10	\$12,900	
Built-Up (BUR)	20%			2037	**	10	\$3,200	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Concrete Pavers</i>								
Soffits								
Exposed Struc: Steel	100%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	90%			LIFE	**	5	\$17,000	
Vinyl Tile	10%			2037	**	3	\$300	
Interior Walls								
Concrete Masonry Unit	100%			LIFE	**	5	\$2,600	
Ceilings								
AcousTileSusp.Lay-In	10%			2045	**	5	\$900	
Exposed Struc: Steel	90%			LIFE	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2045	**			
Parking/Driveway								
Asphalt	100%			2035	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2042	**	1		
Panelboards								
Molded Case Bkrs	100%			2040	**	5	\$200	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY SUBWAY SIMULATOR, BLDG. 14
Asset # : 13719

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Wiring								
Thermoplastic	100%			2042	**	1		
Motor Controllers								
Locally Mounted	100%			2037	**	5		
Lighting								
Interior Lighting								
Fluorescent	85%			2032	\$33,800	10	\$4,500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : T-8 Lamps</i>						
Fluorescent	10%			2032	\$4,000	10	\$500	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Classrooms And Offices</i>						
		<i>Explanation : T-5 Lamps</i>						
LED	5%			2040	**			
Egress Lighting								
Emergency, Service	40%			2032	\$1,400	1		
Emergency, Battery	10%			2032	\$900	10	\$100	
Exit, LED	50%			2060	**	1		
Exterior Lighting								
LED	20%			2037	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil No 2	100%			2052	**	5	\$1,800	
		<i>No. 2 Fuel Oil, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Oil Tank Above Ground In front Of Building</i>						
Conversion Equipment								
Hot Water Boiler	100%			2045	**	1	\$2,800	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Boiler Room</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Hot Wtr Piping/Pump	100%			2048	**	4	\$400	
Terminal Devices								
Air Handler	40%			2037	**	1	\$1,400	
Convactor/Radiator	20%			2045	**	1	\$400	
Unit Heater - Steam	40%			2037	**	4	\$300	
Air Conditioning								
Energy Source								
Electricity	100%			2054	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY SUBWAY SIMULATOR, BLDG. 14
Asset # : 13719

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Exterior Pkg Unit - Cooling	10%			2037	**	2		
<i>R-22 Refrigerant, Extent : Light, Area Affected : 10%</i>								
<i>Location : Roof</i>								
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%	0-2	\$12,300	LIFE	**	2-5	\$3,200	
<i>Needs Cleaning, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Exhaust Fans								
Roof	100%			2037	**	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2052	**	1		
Water Heater With Tanks								
Electric	100%			2030		4		
Sanitary Piping								
Cast Iron	100%	Now	\$1,400	LIFE	**	1		
<i>Blockage /Clogged, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
Backflow Preventer								
No Component	90%							
Generic	10%			2037	**	1		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : For Boiler Only</i>								
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FIRE ACADEMY TRAINING BLDGS - FIELD HOUSE #12
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.012 / 13553 **Yr Built/Renovated** : 2003 /
Area Sq Ft : 40,857 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 1819 **Lot** : 40 **BIN** : 1085911

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$98,000	\$64,800
Interior Architecture	\$82,900	\$124,400
Electrical		\$475,900
Total	\$181,000	\$665,100
Importance Code A	\$98,000	\$64,800
Importance Code B	\$82,900	\$600,300
Total	\$181,000	\$665,100

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$88,300	\$19,700		\$20,900
Interior Architecture	\$5,700			
Electrical	\$700	\$1,300	\$900	\$1,500
Mechanical	\$400	\$300	\$200	\$200
Total	\$95,100	\$21,300	\$1,100	\$22,600
Importance Code A	\$88,300	\$19,700		\$20,900
Importance Code B	\$5,800	\$1,600	\$1,100	\$1,700
Importance Code C	\$1,000			
Total	\$95,100	\$21,300	\$1,100	\$22,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY TRAINING BLDGS - FIELD HOUSE #12
Asset # : 13553

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick Cavity	30%	2-4	\$98,000	LIFE	**	5	\$23,100	
<i>Efflorescence, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : North Facade</i>								
Metal Panel	45%	Now	\$44,800	2052	**	5	\$64,800	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : At Joints</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : South Facade</i>								
Metal Sect. OHD	15%			2045	**	5	\$36,000	
Pre-Cast Concrete	3%			LIFE	**	5	\$7,500	
Window Wall	7%			2052	**	5	\$20,200	
Windows								
Aluminum	100%			2048	**	5	\$11,600	
Parapets								
Concrete Masonry Unit	15%	0-2	\$1,400	LIFE	**	5	\$1,300	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 15%</i>								
<i>Location : North Parapets</i>								
<i>Vertical Cracks, Extent : Light, Area Affected : 10%</i>								
<i>Location : North Parapets</i>								
Masonry: Brick Cavity	20%			LIFE	**	5	\$1,500	
Metal Rail	2%			2045	**	5-10	\$2,700	
Pre-Cast Concrete	8%			LIFE	**	5	\$3,800	
No Component	55%							
Roof								
Cast in Place Concrete	25%			LIFE	**			
Metal Panel	55%	Now	\$42,100	2045	**			
<i>Drains Clogged, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Where Angular Roof Planes Converge</i>								
Modified Bitumen	20%			2037	**	10	\$10,800	
Interior								
Floors								
Cast in Place Concrete	68%	Now	\$82,900	LIFE	**	5	\$91,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Trench Drain At Apron</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Simulated Street Area</i>								
<i>Explanation : Radiant Flooring</i>								
Cast in Place Concrete	25%			LIFE	**	5	\$33,400	
Ceramic Tile	7%	2-4	\$4,700	2041	**	5	\$2,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Toilet Rooms</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY TRAINING BLDGS - FIELD HOUSE #12
Asset # : 13553

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	2%	2-4	\$1,000	2041	**	5	\$500	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Toilet Rooms</i>								
Concrete Masonry Unit	75%			LIFE	**	5	\$14,300	
Gypsum Board	5%			LIFE	**	5	\$1,400	
Masonry: Brick	12%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Streetscape Mockup On Main Level</i>								
<i>Explanation : Simulated Brick Building Facade Mockups</i>								
Metal Coiling Doors	6%			2048	**	5	\$14,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Streetscape Mockup</i>								
<i>Explanation : On Building Facade Mockups</i>								
Ceilings								
Exposed Struc: Steel	95%			LIFE	**			
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At Roof Drain Penetration</i>								
Metal Panel	5%			LIFE	**	5	\$3,800	
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2045	**			
Parking/Driveway								
Asphalt	100%			2041	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2042	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : One 2,000 Ampere Main Disconnect Switch</i>								
Transformers								
Dry Type	100%			2045	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : One 30 Kilovolt Ampere, 208 Volts Primary - 480/277 Volts Secondary</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2042	**	5	\$1,100	
Raceway								
Conduit	100%			2042	**	1		
Panelboards								
Fused Disc Sw	5%			2040	**	5		
Molded Case Bkrs	95%			2040	**	5	\$1,000	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY TRAINING BLDGS - FIELD HOUSE #12
Asset # : 13553

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2037	**	5	\$300	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$600	
Stand-by Power								
Transfer Switches								
Manual	100%			2042	**	5	\$200	
Lighting								
Interior Lighting								
Fluorescent	40%			2032	\$237,900	10	\$15,000	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Storage</i>						
Fluorescent	40%			2032	\$237,900	10	\$15,000	
		<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Simulation Rooms</i>						
HID	10%			2032	\$47,300	10	\$100	
LED	10%			2040	**			
Egress Lighting								
Emergency, Battery	60%			2032	\$40,200	10	\$5,900	
Exit, LED	40%			2047	**	1		
Exterior Lighting								
HID	20%			2032	\$37,200	10		
No Component	80%							
Alarm								
Fire/Smoke Detection								
No Component	70%							
Generic, Digital	30%			2032	\$30,900	1-3	\$7,600	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : Addressable Fire Alarm System. Strobe Lights, Manual Pull Stations, Alarm Bells, Smoke Detectors, Horns</i>						

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
HTHW/HW	20%			2052	**	1		
		<i>Other Observation, Extent : Light, Area Affected : 20%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Hot Water Is Supplied From Adjacent Building No.11</i>						
No Component	80%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY TRAINING BLDGS - FIELD HOUSE #12
Asset # : 13553

Mechanical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Distribution								
Hot Wtr Piping/Pump	20%			2048	**	4	\$600	
	<i>Other Observation, Extent : Light, Area Affected : 20%</i>							
	<i>Location : 1st Floor</i>							
	<i>Explanation : Hot Water From Adjacent Building No.11</i>							
No Component	80%							
Terminal Devices								
Convactor/Radiator	15%			2045	**	1	\$2,000	
	<i>Other Observation, Extent : Light, Area Affected : 15%</i>							
	<i>Location : Ground Level</i>							
	<i>Explanation : Radiant Heating Pipes In Floor</i>							
Unit Heater - Steam	5%			2037	**	4	\$300	
No Component	80%							
Ventilation								
Exhaust Fans								
Roof	20%			2037	**	2	\$300	
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	20%			2052	**	1		
No Component	80%							
Water Heater With Tanks								
Electric	20%			2030	\$4,600	4		
	<i>Other Observation, Extent : Light, Area Affected : 20%</i>							
	<i>Location : 1st Floor</i>							
	<i>Explanation : 1 Unit</i>							
No Component	80%							
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic								
	100%							
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : 1st Floor</i>							
	<i>Explanation : Two Bathrooms</i>							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FIRE ACADEMY TRAINING TOWER # 1
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.000 / 1988 **Yr Built/Renovated** : 1975 / 2008
Area Sq Ft : 12,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2,3,4,5
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Electrical	\$174,700	
Mechanical		\$61,000
Total	\$174,700	\$61,000
Importance Code A		\$61,000
Importance Code B	\$174,700	
Total	\$174,700	\$61,000

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$48,100			
Interior Architecture				
Electrical			\$200	\$22,000
Mechanical	\$2,900	\$500	\$500	\$1,800
Total	\$51,000	\$500	\$700	\$23,800
Importance Code A	\$48,300		\$200	
Importance Code B	\$2,600	\$500	\$400	\$23,800
Importance Code C				
Total	\$51,000	\$500	\$700	\$23,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY TRAINING TOWER # 1
Asset # : 1988

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	50%			LIFE	**	5	\$11,200	
Masonry: Brick	50%	2-4	\$45,100	LIFE	**	5	\$11,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : This Is A Demonstration Building. The Original Building Was 5,400 Square Feet Another 6,600 Square Feet Were Added In 2008.</i>								
Windows								
Steel	100%			2048	**	5	\$71,500	
Parapets								
Masonry: Brick	70%			LIFE	**	5	\$2,800	
Masonry: Brick	30%	Now	\$3,000	LIFE	**	5	\$1,200	
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : Roof</i>								
<i>Explanation : This Is A Demonstration Building</i>								
Roof								
Skylight, Metal/Glass	2%			2058	**	10	\$1,000	
Traffic Topping	98%			2040	**	10	\$24,800	
Interior								
Floors								
Cast in Place Concrete	95%			LIFE	**	5	\$33,300	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Steel Grating	5%			2052	**	1		
Interior Walls								
Concrete Masonry Unit	100%			LIFE	**	5	\$15,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 15%</i>								
<i>Location : All Floors</i>								
Ceilings								
Exposed Struc: Concrete	100%			LIFE	**	5	\$2,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2032	\$14,700	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room, First Room</i>								
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>								
Raceway								
Conduit	100%			2032	\$25,100	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY TRAINING TOWER # 1
Asset # : 1988

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Panelboards								
Molded Case Bkrs	100%			2031	\$39,000	5	\$300	
Wiring								
Thermoplastic	100%			2032	\$28,000	1		
Lighting								
Interior Lighting								
Fluorescent	20%			2027	\$34,900	10	\$2,200	
<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Stair Case And 3rd Floor</i>								
Fluorescent	80%			2027	\$139,800	10	\$8,800	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Exterior Lighting								
HID	20%			2027	\$10,900	10		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Electricity	20%			2052	**	1		
No Component	80%							
Conversion Equipment								
Radiant Heater	20%			2032	\$61,000	2	\$1,100	
No Component	80%							
Ventilation								
Exhaust Fans								
Roof	20%			2037	**	2	\$100	
Wall Unit	80%			2032	\$4,000	2	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Fan In Basement To Remove Methane Gas</i>								
Plumbing								
H/C Water Piping								
Galvanized Steel	10%			2045	**	1		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement, 1 Through 5</i>								
<i>Explanation : Standpipe Only</i>								
No Component	90%							
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
<i>Other Observation, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1 Through 5</i>								
<i>Explanation : Roof Drains Only</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY TRAINING TOWER # 1
Asset # : 1988

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Sump Pump(s) Non-Submersible	100%	Now	\$2,300	2042	**	4	\$300	
<i>Not in Service, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fire Suppression								
Standpipe Generic	100%			2052	**	1-5	\$6,000	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FIRE ACADEMY VEHICLE PREVENTIVE MAINT BLDG #6
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.050 / 1990 **Yr Built/Renovated** : 1975 / 2004
Area Sq Ft : 14,800 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Floors 1,2
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$51,800	
Interior Architecture	\$53,600	
Electrical		\$142,200
Total	\$105,400	\$142,200
Importance Code A	\$51,800	
Importance Code B	\$53,600	\$142,200
Total	\$105,400	\$142,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$4,600			
Interior Architecture	\$89,700		\$1,300	\$1,000
Electrical	\$700	\$900	\$900	\$800
Mechanical	\$5,300	\$1,400	\$2,400	\$14,900
Site Pavements	\$2,800			
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$107,100	\$6,200	\$8,500	\$20,600
Importance Code A	\$5,400	\$700	\$700	\$800
Importance Code B	\$49,300	\$5,500	\$7,000	\$19,800
Importance Code C	\$52,400		\$700	
Total	\$107,100	\$6,200	\$8,500	\$20,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY VEHICLE PREVENTIVE MAINT BLDG #6
Asset # : 1990

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick Cavity	70%	Now	\$51,800	LIFE	**	5	\$6,100	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations Above Overhead Doors</i>								
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Above 2nd Story Window</i>								
<i>Patching Evident, Extent : Light, Area Affected : 20%</i>								
<i>Location : All Facades</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Base Of Building</i>								
<i>Weepholes Not Funct, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Mortar Saturated. North Facade</i>								
Metal Sect. OHD	30%	4+	\$4,600	2045	**	5	\$4,100	
<i>Paint Peeling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Door Frames</i>								
Windows								
Aluminum	40%			2048	**	5	\$800	
Wood	60%			2048	**	5	\$12,600	
Parapets								
Not Accessible	100%							
Roof								
Not Accessible	100%							
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$15,200	LIFE	**	5	\$20,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Various Locations Throughout Apparatus Floor</i>								
Cast in Place Concrete	20%			LIFE	**	5	\$10,000	
Ceramic Tile	5%			2041	**	5	\$1,100	
Vinyl Tile	35%	Now	\$21,600	2037	**	3	\$3,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Second Floor Office, Corridor, Locker Room, Kitchenette And Stair</i>								
<i>Uneven Substrate, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout Second Floor</i>								
Interior Walls								
Ceramic Tile	5%			2041	**	5	\$1,400	
Concrete Masonry Unit	75%	Now	\$39,500	LIFE	**	5	\$8,600	
<i>Vertical Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Stairwell To Second Floor</i>								
SGFT/Glazed Masonry	20%	0-2	\$10,100	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Apparatus Area</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY VEHICLE PREVENTIVE MAINT BLDG #6
Asset # : 1990

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileSusp.Lay-In	15%	0-2	\$2,800	2037	**	5	\$1,700	
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Water Penetration, Extent : Moderate, Area Affected : 5%
Location : Rooms 201, 202, 203 And Locker Rooms

AcousTileSusp.Lay-In	5%			2049	**	5	\$1,100	
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Exposed Struc: Steel	50%	Now	\$53,600	LIFE	**			
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Water Penetration, Extent : Moderate, Area Affected : 10%
Location : Apparatus Floor, Original Building

Exposed Struc: Steel	20%			LIFE	**			
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Gypsum Board	10%			LIFE	**	5	\$2,900	
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Site Pavements

On-Site Walkways

Cast in Place Concrete	100%	0-2	\$2,800	2037	**			
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Cracking/Crumbling, Extent : Moderate, Area Affected : 20%
Location : At Overhead Door Thresholds And Curbs

Parking/Driveway

Asphalt	100%			2041	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2042	**	5	\$100	
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Other Observation, Extent : Light, Area Affected : 100%
Location : Electrical Room

Explanation : Two 1,200 Ampere Main Disconnect Switches

Switchgear / Switchboard

Fused Disc Sw	100%			2042	**	5	\$100	
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Raceway

Conduit	85%			2032	\$21,400	1		
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Conduit	15%			2042	**	1		
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Panelboards

Fused Disc Sw	5%			2031	\$1,900	5		
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Molded Case Bkrs	75%			2031	\$29,200	5	\$300	
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Molded Case Bkrs	20%			2040	**	5	\$100	
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Wiring

Thermoplastic	80%			2032	\$22,400	1		
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Thermoplastic	20%			2042	**	1		
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Motor Controllers

Locally Mounted	20%			2037	**	5		
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Locally Mounted	80%			2030	\$56,000	5	\$100	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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Stand-by Power

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY VEHICLE PREVENTIVE MAINT BLDG #6
Asset # : 1990

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Transfer Switches								
Automatic	100%			2037	**	1	\$4,600	
Lighting								
Interior Lighting								
Fluorescent	40%			2032	\$86,200	10	\$5,400	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 2nd Floor</i>						
LED	60%			2040	**			
Egress Lighting								
Emergency, Battery	60%			2032	\$14,600	10	\$2,100	
Exit, LED	40%			2060	**	1		
Exterior Lighting								
LED	20%			2040	**			
No Component	80%							
Alarm								
Fire/Smoke Detection								
No Component	70%							
Generic, Digital	30%			2037	**	1-3	\$2,700	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : Addressable Fire Alarm System. Manual Pull Station, Alarm Bells, Strobe Lights, Smoke Detectors, Horns</i>						

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil No 2	100%			2042	**	5	\$4,600	
Conversion Equipment								
Furnace	20%			2032	\$9,000	1	\$1,500	
		<i>Other Observation, Extent : Light, Area Affected : 20%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 1 Unit</i>						
Hot Water Boiler	80%			2037	**	1	\$5,900	
		<i>Other Observation, Extent : Light, Area Affected : 80%</i>						
		<i>Location : 1st Floor Boiler Room</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Hot Wtr Piping/Pump	100%			2040	**	4	\$1,100	
Terminal Devices								
Convactor/Radiator	50%			2037	**	1	\$2,400	
Unit Heater - Steam	50%			2037	**	4	\$1,000	
Air Conditioning								
Energy Source								
Electricity	100%			2048	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY VEHICLE PREVENTIVE MAINT BLDG #6
Asset # : 1990

Mechanical System Component Type	Current Repair			Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%			2042	**	2	\$200	
	<i>Recent Installation, Extent : Light, Area Affected : 20%</i>							
	<i>Location : 2 Units, On The Roof, Using 410 A Refrigerant.</i>							
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$8,300	
Exhaust Fans								
Roof	85%			2032	\$23,800	2	\$400	
Wall Unit	15%			2032	\$900	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%	Now	\$3,700	2052	**	1		
	<i>Corroded, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : Water Main.</i>							
Water Heater With Tanks								
Electric	50%			2027	\$11,500	4		
Electric	50%			2030	\$11,500	4		
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Backflow Preventer								
No Component	90%							
Generic	10%			2037	**	1	\$100	
	<i>Other Observation, Extent : Light, Area Affected : 10%</i>							
	<i>Location : Boiler Room</i>							
	<i>Explanation : For Boiler Only</i>							
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	80%							
Generic	20%			2042	**	1-2	\$800	

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FORT TOTTEN - BLDG. # 103 EMS BATTALION STATION
Address : 103 TOTTEN AVENUE EMS OPERATIONS/SOC
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.103 / 13737 **Yr Built/Renovated** : 1892 /
Area Sq Ft : 4,591 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Sep-2018 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$64,500	
Interior Architecture		\$173,100
Mechanical		\$189,300
Total	\$64,500	\$362,400
Importance Code A	\$64,500	
Importance Code B		\$362,400
Total	\$64,500	\$362,400

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture				\$700
Interior Architecture	\$10,800			
Electrical	\$100	\$6,900		
Mechanical	\$1,300	\$16,000	\$500	\$400
Total	\$12,100	\$22,900	\$500	\$1,100
Importance Code A	\$200	\$200	\$200	\$200
Importance Code B	\$7,900	\$22,700	\$300	\$900
Importance Code C	\$3,900			
Total	\$12,100	\$22,900	\$500	\$1,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 103 EMS BATTALION STATION
Asset # : 13737

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2040	**	10	\$300	
Cast in Place Concrete	10%			LIFE	**	5	\$8,600	
Masonry: Brick	85%	Now	\$64,500	LIFE	**	5	\$14,600	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Spalling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
Windows								
Aluminum	100%			2038	**	5	\$400	
Roof								
Asphalt Shingle	100%			2033		10	\$1,100	
Interior								
Floors								
Ceramic Tile	5%	0-2	\$1,000	2033	\$20,800	5	\$200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Bathroom</i>								
Quarry Tile	10%			2043	**	5	\$1,000	
<i>Worn/Eroded, Extent : Light, Area Affected : 50%</i>								
<i>Location : Front Entry</i>								
Vinyl Tile	85%	0-2	\$3,500	2030	\$173,100	3	\$2,200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Interior Walls								
Ceramic Tile	5%	2-4	\$600	2033	\$28,100	5	\$200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Toilets</i>								
Concrete Masonry Unit	10%			LIFE	**	5	\$400	
Gypsum Board	50%	Now	\$1,400	LIFE	**	5	\$2,900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Basement</i>								
Masonry: Brick	5%	Now	\$1,900	LIFE	**			
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 50%</i>								
<i>Location : Basement</i>								
Plaster	5%			LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Deteriorated Finish, Extent : Light, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Wood	25%			LIFE	**	5	\$9,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Explanation : Wood Panel Interior Finish</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 103 EMS BATTALION STATION
Asset # : 13737

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	95%	Now	\$2,300	2043	**	5	\$3,300	
<i>Misaligned/Bulging, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Gypsum Board	5%			LIFE	**	5	\$400	
Site Enclosure								
Retaining Walls								
Cast in Place Concrete	100%			2065	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2035	**			
Parking/Driveway								
Cast in Place Concrete	100%			2035	**			
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2030	\$4,000	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Room.</i>								
<i>Explanation : Two 200 Ampere Main Disconnect Switches</i>								
Raceway								
Conduit	100%			2030	\$4,700	1		
Panelboards								
Fused Disc Sw	5%			2029	\$500	5		
Molded Case Bkrs	95%			2029	\$10,200	5	\$100	
Wiring								
Thermoplastic	100%			2030	\$9,700	1		
Motor Controllers								
Locally Mounted	100%			2028	\$12,300	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	100%			2030	\$34,900	10	\$4,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Egress Lighting								
Emergency, Battery	50%			2030	\$4,100	10	\$600	
Exit, Service	50%			2030	\$800	1		

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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 103 EMS BATTALION STATION
Asset # : 13737

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting

HID	30%			2025	\$6,900	10		
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Fuel Oil No 2	100%			2040	**	5	\$1,400	
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Conversion Equipment

Hot Water Boiler	100%			2043	**	1	\$2,300	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : 1 Unit

Distribution

Hot Wtr Piping/Pump	100%	0-2	\$500	2029	\$10,800	4	\$200	
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Other Observation, Extent : Moderate, Area Affected : 30%

Location : South Side

Explanation : Insufficient Heat In The South Side Of The Building

Terminal Devices

Convactor/Radiator	100%			2028	\$40,200	1	\$1,500	
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Air Conditioning

Energy Source

Electricity	100%			2038	**	1		
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Conversion Equipment

Split Unit	20%			2030	\$23,400			
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Other Observation, Extent : Light, Area Affected : 100%

Location : Outside

Explanation : 1 Unit. R-22 Refrigerant

Window/Wall Unit	80%			2025	\$14,900	1		
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Terminal Devices

Fan Coil - 2 Pipe	20%			2030	\$30,000	1	\$300	
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No Component	80%							
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Heat Rejection

Dry Cooler	20%			2030	\$4,500	2	\$600	
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No Component	80%							
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Plumbing

H/C Water Piping

Brass/Copper	100%			2040	**	1		
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Water Heater With Tanks

Oil Fired	100%			2028	\$189,300	1		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : One 40 Gallon Unit

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 103 EMS BATTALION STATION
Asset # : 13737

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sanitary Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Submersible	100%			2024	\$200	4	\$100
	Fixtures							
	Generic	100%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FORT TOTTEN - BLDG. # 107 CLASSROOM/ADMIN.
Address : 107 DUANE AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.107 / 13738 **Yr Built/Renovated** : 1896 / 2007
Area Sq Ft : 12,404 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Sep-2018 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Electrical		\$76,800
Mechanical	\$94,600	\$687,500
Site Pavements		\$639,800
Total	\$94,600	\$1,404,100
Importance Code B	\$94,600	\$764,300
Importance Code C		\$639,800
Total	\$94,600	\$1,404,100

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$1,000	\$600	\$9,700	
Interior Architecture	\$1,400		\$1,600	
Electrical		\$30,800	\$200	
Mechanical	\$3,600	\$19,300	\$3,800	\$1,900
Site Enclosure	\$4,000			
Site Pavements	\$32,000			
Total	\$42,000	\$50,700	\$15,300	\$1,900
Importance Code A	\$2,300	\$1,800	\$10,900	\$1,200
Importance Code B	\$2,800	\$48,900	\$4,400	\$700
Importance Code C	\$36,900			
Total	\$42,000	\$50,700	\$15,300	\$1,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 107 CLASSROOM/ADMIN.
Asset # : 13738

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	87%			LIFE	**	5	\$10,600	
<i>Diagonal Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Attached Storage Shed</i>								
<i>Staining/Discoloring, Extent : Light, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
Masonry: Granite	5%			LIFE	**	5	\$500	
Masonry: Limestone	5%	Now	\$1,000	LIFE	**	5	\$500	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Metal Sect. OHD	3%			2035	**	5	\$1,100	
Windows								
Metal Louvers	2%			2039	**	10	\$200	
Wood	98%			2046	**	5	\$19,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Facades</i>								
<i>Explanation : Vinyl-clad Wood Wondows</i>								
Roof								
Asphalt Shingle	100%			2039	**	10	\$5,500	
<i>Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Gutters And Downspout Seams Open Leaking Water</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Asphalt Shingles Are Designed To Appear To Be Historic Slate</i>								
Interior								
Floors								
Cast in Place Concrete	20%			LIFE	**	5	\$8,100	
Mosaic Tile	10%			2043	**	5	\$4,600	
Vinyl Tile	70%			2035	**	3	\$4,800	
Interior Walls								
Cast in Place Concrete	5%			LIFE	**			
Cast Stone/Terra Cotta	5%			LIFE	**			
Ceramic Tile	10%			2039	**	5	\$2,700	
Gypsum Board	80%			LIFE	**	5	\$13,100	
Ceilings								
AcousTileSusp.Lay-In	60%			2043	**	5	\$10,500	
Gypsum Board	30%			LIFE	**	5	\$6,600	
Masonry: Infill Arch	10%			LIFE	**			
Site Enclosure								
Fence/Gates								
Chain Link	100%	4+	\$3,600	2050	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Around Parking Lot</i>								
Retaining Walls								
Cast in Place Concrete	100%	4+	\$500	2050	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Left Side Of Building</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 107 CLASSROOM/ADMIN.
Asset # : 13738

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

On-Site Walkways

Asphalt	95%			2033	\$19,100		
Cast in Place Concrete	5%			2035	**		

Parking/Driveway

Asphalt	100%	4+	\$32,000	2033	\$639,800		
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Cracking/Crumbling, Extent : Moderate, Area Affected : 25%

Location : Rear Parking Lot

Sinking/Subsiding, Extent : Moderate, Area Affected : 2%

Location : Rear Parking Lot

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2050	**	5	\$100
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Other Observation, Extent : Light, Area Affected : 100%

Location : Outside By The Wall

Explanation : One 200 And One 100 Ampere Main Disconnect Switch

Raceway

Conduit	90%			2030	\$24,800	1	
Conduit	10%			2050	**	1	

Panelboards

Fused Disc Sw	5%			2046	**	5	
Molded Case Bkrs	95%			2046	**	5	\$300

Wiring

Thermoplastic	100%			2050	**	1	
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Motor Controllers

Locally Mounted	100%			2028	\$76,800	5	\$100
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200
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Lighting

Interior Lighting

Fluorescent	95%			2035	**	10	\$10,800
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T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%

Location : Throughout The Building

Incandescent	5%			2025	\$18,400	2	
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Egress Lighting

Emergency, Battery	50%			2035	**	10	\$1,500
Exit, Service	50%			2035	**	1	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 107 CLASSROOM/ADMIN.
Asset # : 13738

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting

HID

30%

2035

* *

10

*Other Observation, Extent : Light, Area Affected : 100%**Location : Exterior**Explanation : Controlled Via Photocell*

No Component

70%

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Fuel Oil No 2

100%

2040

* *

5

\$3,800

Conversion Equipment

Steam Boiler

100%

2043

* *

1

\$12,300

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement Mechanical Room**Explanation : One Oil Fired Steam Boiler*

Distribution

Steam Piping/Pump

100%

2030

\$106,500

Terminal Devices

Convactor/Radiator

70%

2028

\$76,100

1

\$2,800

Convactor/Radiator

30%

2043

* *

1

\$1,200

Air Conditioning

Energy Source

Electricity

100%

2038

* *

1

Conversion Equipment

Split Unit

70%

2030

\$221,000

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Outside**Explanation : 3 Units. R-22 Refrigerant*

Window/Wall Unit

30%

2025

\$15,100

1

Terminal Devices

Fan Coil - 2 Pipe

70%

2030

\$283,900

1

\$2,800

No Component

30%

Heat Rejection

Dry Cooler

70%

2030

\$42,700

2

\$6,000

No Component

30%

Ventilation

Distribution

Ductwork/Diffusers

70%

LIFE

* *

2-5

\$4,800

No Component

30%

Exhaust Fans

Interior

70%

2030

\$41,300

2

\$300

No Component

30%

Plumbing

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 107 CLASSROOM/ADMIN.
Asset # : 13738

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
H/C Water Piping Brass/Copper	100%			2040	**	1		
Water Heater With Tanks Oil Fired	100%			2025	\$94,600	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Mechanical Room</i>								
<i>Explanation : 1 Unit</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Submersible	100%	0-2	\$400	2025	\$400	4	\$300	
<i>Abandoned in Place, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FORT TOTTEN - BLDG. # 129 EMS CHAUFFEUR TRAINING SIMULATOR
Address : 129 SGT. BEERS AVENUE EVOC/CPR
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.129 / 13740 **Yr Built/Renovated** : 1871 /
Area Sq Ft : 4,566 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Sep-2018 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$94,000		\$200	
Interior Architecture	\$5,400		\$400	
Electrical	\$100	\$5,300	\$100	\$100
Mechanical	\$800	\$14,300	\$1,500	\$600
Site Pavements	\$7,900			
Total	\$108,100	\$19,700	\$2,300	\$700
Importance Code A	\$94,400	\$500	\$700	\$500
Importance Code B	\$5,300	\$19,200	\$1,600	\$300
Importance Code C	\$8,400			
Total	\$108,100	\$19,700	\$2,300	\$700



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 129 EMS CHAUFFEUR TRAINING SIMULATOR
Asset # : 13740

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	95%	4+	\$28,800	LIFE	**	5	\$16,300	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Various Locations On The Facade</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Facades</i>								
<i>Explanation : Facades Have Been Coated With A Thin Layer Of Red Stucco</i>								
Masonry: Limestone	5%	2-4	\$36,300	LIFE	**	5	\$600	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Base Of Building</i>								
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Base Of Building</i>								
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Base Of Building</i>								
<i>Explanation : This Is Actually Bluestone</i>								
Windows								
Aluminum	100%			2046	**	5	\$400	
Roof								
Slate	100%	4+	\$28,800	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Mostly Above Gutter</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Roof</i>								
Interior								
Floors								
Cast in Place Concrete	8%			LIFE	**	5	\$1,200	
Vinyl Tile	50%			2035	**	3	\$1,300	
Vinyl Tile 9" X 9"	2%	Now	\$1,300	2040	**	3	\$100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Cracked And Deteriorated Throughout Entry Vestibule</i>								
Wood	40%	0-2	\$3,500	2058	**	5	\$2,600	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout 2nd Floor</i>								
Interior Walls								
Cast in Place Concrete	85%			LIFE	**			
Ceramic Tile	5%	Now	\$600	2039	**	5	\$200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Kitchen</i>								
Plaster	10%			LIFE	**	5	\$300	
Ceilings								
Exposed Struc: Concrete	5%			LIFE	**	5	\$100	
Plaster	95%			LIFE	**	5	\$4,100	
<i>Paint Peeling, Extent : Light, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Site Enclosure								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 129 EMS CHAUFFEUR TRAINING SIMULATOR
Asset # : 13740

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Enclosure								
Retaining Walls								
Cast in Place Concrete	100%			2050		**		
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$7,900	2043		**		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : All Walkways And Stairs To Bunker</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Various Locations On Walkways</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Vegetation Growth</i>								
Parking/Driveway								
Asphalt	95%			2033	\$33,500			
Cast in Place Concrete	5%			2035		**		
Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2050		**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 100 Ampere Main Disconnect Switch</i>								
Raceway								
Conduit	70%			2050		**	1	
Conduit	30%			2030	\$1,400		1	
Panelboards								
Fused Disc Sw	2%			2046		**	5	
Molded Case Bkrs	98%			2046		**	5	\$100
Wiring								
Thermoplastic	70%			2050		**	1	
Thermoplastic	30%			2030	\$2,900		1	
Ground								
Grounding Devices								
Generic	100%			LIFE		**	5	\$100
Lighting								
Interior Lighting								
Fluorescent	98%			2035		**	10	\$4,100
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Incandescent	2%			2025	\$600		2	
Egress Lighting								
Emergency, Battery	50%			2035		**	10	\$600
Exit, Service	50%			2035		**	1	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 129 EMS CHAUFFEUR TRAINING SIMULATOR
Asset # : 13740

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting								
HID	30%			2035	**	10		
No Component	70%							

Alarm

Security System								
No Component	70%							
Generic	30%			2035	**	1	\$500	

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source								
Fuel Oil No 2	100%			2040	**	5	\$1,400	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 2 Tanks</i>					

Conversion Equipment								
Steam Boiler	100%			2043	**	1	\$4,500	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Basement</i>					
			<i>Explanation : 1 Unit</i>					

Distribution								
Steam Piping/Pump	100%			2040	**			
Terminal Devices								
Convactor/Radiator	100%			2028	\$40,000	1	\$1,500	

Air Conditioning

Energy Source								
Electricity	100%			2038	**	1		
Conversion Equipment								
Split Unit	30%			2030	\$34,900			
			<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1 Unit, 1st Floor</i>					

Window/Wall Unit	70%			2025	\$13,000	1		
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2	\$1,800	
No Component	70%							

Terminal Devices								
Fan Coil - 2 Pipe	30%			2030	\$44,800	1	\$400	
No Component	70%							

Heat Rejection								
Dry Cooler	30%			2030	\$6,700	2	\$1,000	
No Component	70%							

Plumbing

H/C Water Piping								
Brass/Copper	100%			2040	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 129 EMS CHAUFFEUR TRAINING SIMULATOR
Asset # : 13740

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	HW Heat Exchanger Steam Fired	100%		2050		**	4	\$500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Domestic Coil Inside Boiler</i>								
	Sanitary Piping Cast Iron	100%		LIFE		**	1	
	Fixtures Generic	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FORT TOTTEN - BLDG. # 139 EMS MEDICAL FILE STORAGE
Address : 139 SGT. BEERS LANE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.139 / 14323 **Yr Built/Renovated** :
Area Sq Ft : 9,381 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Sep-2018 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Roof, Floors 1,2
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$160,800	
Interior Architecture	\$107,000	
Electrical	\$64,300	
Total	\$332,100	
Importance Code A	\$160,800	
Importance Code B	\$171,300	
Total	\$332,100	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$40,400			
Interior Architecture	\$8,200			\$1,500
Electrical	\$100	\$14,100		
Mechanical	\$24,700	\$300	\$300	\$300
Total	\$73,400	\$14,500	\$300	\$1,900
Importance Code A	\$40,400			
Importance Code B	\$25,500	\$14,400	\$300	\$1,900
Importance Code C	\$7,500			
Total	\$73,400	\$14,500	\$300	\$1,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 139 EMS MEDICAL FILE STORAGE
Asset # : 14323

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	50%	Now	\$91,900	2060	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Front Facade</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout Facade</i>								
<i>Explanation : Vegetation Growth And Fascia Board Is Deteriorated</i>								
Masonry: Brick	50%	Now	\$7,700	LIFE	**	5	\$4,300	
<i>Vegetation Growth, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Exterior Facade.</i>								
Windows								
Wood	100%	Now	\$32,800	2055	**	5	\$6,300	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : All Facades</i>								
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 20%</i>								
<i>Location : All Facade</i>								
<i>Unit Inoperable, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Facade Fenestration</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Facade Fenestration</i>								
<i>Explanation : Vinyl Clad Wood Windows</i>								
Roof								
Asphalt Shingle	100%	Now	\$68,900	2045	**			1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Roof</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Roof</i>								
<i>Explanation : Large Opening In Roof, Soffit Band Failing</i>								
Interior								
Floors								
Cast in Place Concrete	5%			LIFE	**	5	\$1,600	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Access</i>								
Ceramic Tile	10%			2039	**	5	\$1,400	
Vinyl Tile	85%	Now	\$107,000	2040	**	3	\$4,500	
<i>Loose/Delam Surface, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Debris And Abandoned Storage Materials Everywhere</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 139 EMS MEDICAL FILE STORAGE
Asset # : 14323

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Ceramic Tile	5%	Now	\$700	2039	**	5	\$100
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 10%
Location : Bathrooms.*

Gypsum Board	95%	Now	\$6,800	LIFE	**	5	\$2,700
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 30%
Location : Toilet Room On 1st Floor*

Ceilings

Gypsum Board	100%			LIFE	**	5	\$17,700
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*Other Observation, Extent : Moderate, Area Affected : 50%
Location : Throughout
Explanation : Paint Peeling*

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%			2035	**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2030	\$4,000	5	
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*Other Observation, Extent : Light, Area Affected : 100%
Location : Electrical Closet Under The Stairs 1st Floor*

Explanation : One 200 Ampere Main Disconnect Switch And The Building Is Not Occupied

Raceway

Conduit	100%			2030	\$4,700	1	
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Panelboards

Molded Case Bkrs	100%			2029	\$10,700	5	\$200
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Wiring

Thermoplastic	100%			2030	\$9,700	1	
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Ground

Grounding Devices

Not Accessible	100%						
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Lighting

Interior Lighting

Incandescent	100%			2025	\$64,300	2	\$200
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Exterior Lighting

HID	30%			2025	\$14,100	10	
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No Component	70%						
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Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.*

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 139 EMS MEDICAL FILE STORAGE
Asset # : 14323

Mechanical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Not Accessible	100%							
		<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
		<i>Location :</i>						
		<i>Explanation : Building Unoccupied In Very Poor Condition. No Access To Basement</i>						
<hr/>								
Conversion Equipment								
Not Accessible	100%							
<hr/>								
Distribution								
Not Accessible	100%							
<hr/>								
Terminal Devices								
Convactor/Radiator	100%	0-2	\$24,700	2043	* *	1	\$2,700	
		<i>Abandoned in Place, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Entire Building</i>						
<hr/>								
Plumbing								
H/C Water Piping								
Not Accessible	100%							
<hr/>								
Water Heater With Tanks								
Not Accessible	100%							
<hr/>								
HW Heat Exchanger								
Not Accessible	100%							
<hr/>								
Sanitary Piping								
Not Accessible	100%							
<hr/>								
Sump Pump(s)								
Not Accessible	100%							
<hr/>								
Pool Filter/Treatment								
Not Accessible	100%							
<hr/>								
Sewage Ejector(s)								
Not Accessible	100%							
<hr/>								
Backflow Preventer								
Not Accessible	100%							
<hr/>								
Fixtures								
Generic	100%							
		<i>Abandoned in Place, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Entire Building</i>						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FORT TOTTEN - BLDG. # 309 EMS HAZMAT/ PARAMEDIC TRAINING
Address : 309 PRATT AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.309 / 13755 **Yr Built/Renovated** : 1897 /
Area Sq Ft : 4,874 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Sep-2018 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$61,100	
Mechanical		\$50,700
Total	\$61,100	\$50,700
Importance Code A	\$61,100	
Importance Code B		\$50,700
Total	\$61,100	\$50,700

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture			\$200	
Interior Architecture	\$55,900	\$400		
Electrical		\$8,300		
Mechanical	\$20,400	\$1,400	\$600	\$600
Site Pavements	\$1,500			
Total	\$77,900	\$10,100	\$900	\$700
Importance Code A	\$500	\$500	\$700	\$500
Importance Code B	\$68,500	\$9,600	\$200	\$200
Importance Code C	\$8,900			
Total	\$77,900	\$10,100	\$900	\$700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 309 EMS HAZMAT/ PARAMEDIC TRAINING
Asset # : 13755

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	85%	0-2	\$61,100	LIFE	**	5	\$13,800	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
Masonry: Fieldstone	15%			LIFE	**	5	\$1,800	
Windows								
Aluminum	100%			2046	**	5	\$400	
Roof								
Asphalt Shingle	100%			2039	**	10	\$1,200	
Soffits								
Cast in Place Concrete	100%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	35%	4+	\$4,500	LIFE	**	5	\$5,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Basement Floor</i>								
Mosaic Tile	5%			2035	**	5	\$900	
Quarry Tile	55%	0-2	\$30,600	2035	**	5	\$2,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Vinyl Tile	5%			2030		3	\$200	
Interior Walls								
Ceramic Tile	10%	Now	\$3,100	2033	\$30,900	5	\$300	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Bathrooms</i>								
Gypsum Board	15%			LIFE	**	5	\$500	
Masonry: Brick	20%	Now	\$4,300	LIFE	**			
<i>Efflorescence, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Basement Walls.</i>								
SGFT/Glazed Masonry	5%			LIFE	**			
Wood	50%			LIFE	**	5	\$10,500	
Ceilings								
AcousTileConcealSpLn	60%	Now	\$7,300	2035	**	5	\$2,600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout Main Floor Ceiling</i>								
Exposed Struc: Wood	20%	Now	\$5,200	LIFE	**			
<i>Split/Cracked, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Various Locations Throughout Basement</i>								
Plaster	20%	Now	\$900	LIFE	**	5	\$900	
<i>Water Penetration, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Entrance Area</i>								
Site Enclosure								
Retaining Walls								
Cast in Place Concrete	100%			2050	**			
Site Pavements								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 309 EMS HAZMAT/ PARAMEDIC TRAINING
Asset # : 13755

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%	Now	\$1,500	2043	**			
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Cracking/Crumbling, Extent : Severe, Area Affected : 10%

Location : Entrance Stairs And Rear Stairs

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2056	**	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : One 100 Ampere Main Disconnect Switch

Raceway

Conduit	20%			2030	\$900	1		
Conduit	80%			2056	**	1		

Panelboards

Fused Disc Sw	5%			2029	\$500	5		
Molded Case Bkrs	20%			2029	\$2,100	5		
Molded Case Bkrs	75%			2052	**	5	\$100	

Wiring

Thermoplastic	20%			2030	\$1,900	1		
Thermoplastic	80%			2056	**	1		

Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Lighting

Interior Lighting

Fluorescent	20%			2025	\$7,400	10	\$900	
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T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%

Location : Basement

Fluorescent	80%			2038	**	10	\$3,600	
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T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%

Location : Throughout The Building

Egress Lighting

Emergency, Battery	50%			2038	**	10	\$600	
Exit, Service	50%			2038	**	1		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 309 EMS HAZMAT/ PARAMEDIC TRAINING
Asset # : 13755

Mechanical	Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Heating							
Energy Source Fuel Oil No 2	100%			2040	**	5	\$1,500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
<i>Location : Basement</i>							
<i>Explanation : 2 Tanks</i>							
Conversion Equipment Steam Boiler	100%			2043	**	1	\$4,800
<i>Other Observation, Extent : Light, Area Affected : 50%</i>							
<i>Location : Basement</i>							
<i>Explanation : 1 Unit</i>							
Distribution Steam Piping/Pump	100%			2040	**		
Terminal Devices Convactor/Radiator	100%			2028	\$42,700	1	\$1,600
Air Conditioning							
Energy Source Electricity	100%			2038	**	1	
Conversion Equipment Window/Wall Unit	100%			2024	\$19,800	1	
Plumbing							
H/C Water Piping Brass/Copper	100%			2040	**	1	
Water Heater With Tanks Electric	100%			2030	\$50,700	4	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>							
<i>Location : 1 Unit, Basement</i>							
Sanitary Piping Cast Iron	100%			LIFE	**	1	
Fixtures Generic	100%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FORT TOTTEN - BLDG. # 318 GENERAL STORAGE
Address : 318 MURRAY AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.318 / 13761 **Yr Built/Renovated** : 1926 /
Area Sq Ft : 12,966 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-Sep-2018 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Floors 1
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$887,000	
Total	\$887,000	
Importance Code A	\$887,000	
Total	\$887,000	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$74,500			
Site Pavements	\$9,900			
Total	\$84,300			
Importance Code A	\$74,500			
Importance Code C	\$9,900			
Total	\$84,300			



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 318 GENERAL STORAGE
Asset # : 13761

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	95%	Now	\$809,600	LIFE	**	5	\$22,900	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 60%</i>								
<i>Location : All Facades</i>								
<i>Vegetation Growth, Extent : Severe, Area Affected : 80%</i>								
<i>Location : All Facades</i>								
Masonry: Limestone	5%	Now	\$30,600	LIFE	**	5	\$900	
<i>Vegetation Growth, Extent : Severe, Area Affected : 50%</i>								
<i>Location : All Facades</i>								
Windows								
Wood	100%	Now	\$77,400	2055	**	5	\$15,000	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 90%</i>								
<i>Location : All Facades</i>								
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 100%</i>								
<i>Location : All Facades</i>								
<i>Glazing Broken/Cracked, Extent : Severe, Area Affected : 60%</i>								
<i>Location : All Facades</i>								
<i>Other Observation, Extent : Light, Area Affected : 50%</i>								
<i>Location : All Facades</i>								
<i>Explanation : Boarded Up Windows</i>								
Roof								
Asphalt Shingle	100%	Now	\$43,900	2045	**			1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Roof Fascia, Gutters And Leaders Missing</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Roof</i>								
Interior								
Floors								
Not Accessible	100%							
Interior Walls								
Not Accessible	100%							
Ceilings								
Not Accessible	100%							
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$9,900	2035	**			
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Walkways</i>								
<i>Explanation : Vegetation Growth</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 318 GENERAL STORAGE
Asset # : 13761

Electrical	Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Over 600 Volts							
Service Equipment							
Not Accessible	100%						
	<i>Other Observation, Extent : N/A, Area Affected : 0%</i>						
	<i>Location :</i>						
	<i>Explanation : Building Is Abandoned Not Occupied</i>						
<hr/>							
Transformers							
Not Accessible	100%						
<hr/>							
Switchgear / Switchboard							
Not Accessible	100%						
<hr/>							
Feeders							
Not Accessible	100%						
<hr/>							
Raceway							
Not Accessible	100%						
<hr/>							
Under 600 Volts							
Service Equipment							
Not Accessible	100%						
	<i>Other Observation, Extent : N/A, Area Affected : 0%</i>						
	<i>Location :</i>						
	<i>Explanation : Building Is Abandoned Not Occupied</i>						
<hr/>							
Transformers							
Not Accessible	100%						
<hr/>							
Switchgear / Switchboard							
Not Accessible	100%						
<hr/>							
Raceway							
Not Accessible	100%						
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Panelboards							
Not Accessible	100%						
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Wiring							
Not Accessible	100%						
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Motor Controllers							
Not Accessible	100%						
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Ground							
Grounding Devices							
Not Accessible	100%						
<hr/>							
Stand-by Power							
Transfer Switches							
Not Accessible	100%						
<hr/>							
Generators							
Not Accessible	100%						
<hr/>							
Batteries							
Not Accessible	100%						
<hr/>							
Fuel Storage							
Not Accessible	100%						
<hr/>							
Lighting							
Interior Lighting							
Not Accessible	100%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 318 GENERAL STORAGE
Asset # : 13761

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Egress Lighting
 Not Accessible 100%

Lightning Protection

Arresters/Cabling
 Not Accessible 100%

Alarm

Security System
 Not Accessible 100%

Fire/Smoke Detection
 Not Accessible 100%

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source
 Not Accessible 100%

Other Observation, Extent : Light, Area Affected : 0%

Location : Throughout

Explanation : This Is An Abandoned Building And Has Been Sealed Off Completely.

Conversion Equipment
 Not Accessible 100%

Distribution
 Not Accessible 100%

Terminal Devices
 Not Accessible 100%

Air Conditioning

Energy Source
 Not Accessible 100%

Conversion Equipment
 Not Accessible 100%

Distribution
 Not Accessible 100%

Terminal Devices
 Not Accessible 100%

Heat Rejection
 Not Accessible 100%

Dehumidifier
 Not Accessible 100%

Ventilation

Distribution
 Not Accessible 100%

Exhaust Fans
 Not Accessible 100%

Plumbing

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 318 GENERAL STORAGE
Asset # : 13761

Mechanical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Plumbing							
H/C Water Piping Not Accessible	100%						
Water Heater With Tanks Not Accessible	100%						
HW Heat Exchanger Not Accessible	100%						
Sanitary Piping Not Accessible	100%						
Storm Drain Piping Not Accessible	100%						
Sump Pump(s) Not Accessible	100%						
Pool Filter/Treatment Not Accessible	100%						
Sewage Ejector(s) Not Accessible	100%						
Backflow Preventer Not Accessible	100%						
Fixtures Not Accessible	100%						
Vertical Transport							
Elevators Not Accessible	100%						
Escalators Not Accessible	100%						
Fire Suppression							
Standpipe Not Accessible	100%						
Sprinkler Not Accessible	100%						
Fire Pump Not Accessible	100%						
Chemical System Not Accessible	100%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FORT TOTTEN - BLDG. # 325 EMS ACADEMY
Address : 325 PRATT AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.325 / 13739 **Yr Built/Renovated** : 1894 /
Area Sq Ft : 31,892 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Sep-2018 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$173,000	
Electrical	\$60,500	
Mechanical	\$119,000	\$66,300
Site Pavements		\$290,600
Total	\$352,600	\$356,900
Importance Code A	\$173,000	
Importance Code B	\$179,600	\$66,300
Importance Code C		\$290,600
Total	\$352,600	\$356,900

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$1,300	\$3,500		
Interior Architecture	\$58,200	\$6,100	\$4,300	\$600
Electrical	\$7,000	\$12,100	\$2,700	\$2,600
Mechanical	\$30,000	\$7,900	\$5,800	\$3,600
Total	\$96,600	\$29,600	\$12,800	\$6,700
Importance Code A	\$27,200	\$5,100	\$1,600	\$1,600
Importance Code B	\$54,400	\$24,400	\$11,200	\$5,200
Importance Code C	\$15,000			
Total	\$96,600	\$29,600	\$12,800	\$6,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 325 EMS ACADEMY
Asset # : 13739

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$21,900	
Masonry: Brick	35%	Now	\$173,000	LIFE	**	5	\$19,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Front Elevation</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Front Elevation And Rear Elevation</i>								
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Gymnasium/ Locker Room Wing</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Rear Elevation</i>								
Masonry: Brick	50%			LIFE	**	5	\$28,000	
Stucco Cement	5%			2035	**	5	\$7,000	
Wood	5%			2043	**	5	\$14,000	
Windows								
Aluminum	100%			2038	**	5	\$3,700	
Roof								
Asphalt Shingle	98%			2039	**	10	\$5,000	
<i>Other Observation, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Front Elevation</i>								
<i>Explanation : Paint Peeling And Deteriorating Fascia Board</i>								
Metal Panel	2%			2043	**	10	\$1,100	
Soffits								
Exposed Struc: Steel	50%	4+	\$1,300	LIFE	**	5	\$600	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Underside Of Stair platform</i>								
Wood	50%			2043	**	5	\$900	
Interior								
Floors								
Carpet	5%			2031	\$46,100	3	\$3,600	
Cast in Place Concrete	5%			LIFE	**	5	\$5,300	
Ceramic Tile	10%			2043	**	5	\$4,900	
Vinyl Tile	70%			2038	**	3	\$12,800	
Vinyl Tile	10%	Now	\$43,200	2040	**	3	\$1,800	
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 40%</i>								
<i>Location : 2nd And 3rd Floors</i>								
Interior Walls								
Ceramic Tile	5%			2043	**	5	\$2,600	
Concrete Masonry Unit	5%			LIFE	**	5	\$1,000	
Gypsum Board	35%			LIFE	**	5	\$11,000	
Plaster	55%	4+	\$15,000	LIFE	**	5	\$8,600	
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 3rd Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 325 EMS ACADEMY
Asset # : 13739

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
AcousTileSusp.Lay-In	40%			2043	**	5	\$19,500	
AcousTileSusp.Lay-In	20%			2035	**	5	\$9,700	
Plaster	40%			LIFE	**	5	\$12,200	
Site Enclosure								
Retaining Walls								
Concrete Masonry Unit	50%			2050	**			
Masonry: Brick	50%			2050	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2043	**			
Parking/Driveway								
Asphalt	75%			2033	\$290,600			
Cast in Place Concrete	25%			2035	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2050	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical and Mechanical Room</i>								
<i>Explanation : One 600 Ampere Main Disconnect Switch</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2050	**	5	\$100	
Raceway								
Conduit	40%			2050	**	1		
Conduit	60%			2030	\$2,800	1		
Panelboards								
Fused Disc Sw	2%			2046	**	5		
Fused Disc Sw	3%			2029	\$600	5		
Molded Case Bkrs	30%			2046	**	5	\$300	
Molded Case Bkrs	65%			2029	\$13,900	5	\$500	
Wiring								
Braided Cloth	10%	2-4	\$1,000	2055	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement And 3rd Floor</i>								
Thermoplastic	30%			2050	**	1		
Thermoplastic	60%			2030	\$5,800	1		
Motor Controllers								
Locally Mounted	100%			2028	\$49,200	5	\$200	
Ground								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 325 EMS ACADEMY
Asset # : 13739

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Water Main And Electrical Room</i>								
<i>Explanation : Ground Wires One For Ground Rod To Earth And One For Water Main</i>								
Stand-by Power								
Transfer Switches Automatic	100%			2043	**	1	\$9,800	
Generators								
Diesel	100%			2039	**	1	\$12,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Outside</i>								
<i>Explanation : One 250 Kilowatt</i>								
Batteries								
Lead/Acid	100%			2024	\$2,600	5	\$1,200	
Fuel Storage								
Main Tank	100%			2058	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Outside</i>								
<i>Explanation : One 250 Gallons</i>								
Lighting								
Interior Lighting Fluorescent	25%			2025	\$60,500	10	\$7,300	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor And 2nd Floor Auditorium</i>								
LED	75%			2035	**			
Egress Lighting								
Emergency, Service	48%			2038	**	1		
Emergency, Service	10%			2025	\$2,100	1		
Emergency, Battery	2%			2038	**	10	\$200	
Exit, Service	40%			2038	**	1		
Exterior Lighting								
HID	20%			2030	\$31,900	10		
LED	10%			2038	**			
No Component	70%							
Alarm								
Security System No Component	70%							
Generic	30%			2038	**	1	\$3,600	
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 325 EMS ACADEMY
Asset # : 13739

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil No 2	50%			2050	**	5	\$4,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Out Side</i>								
<i>Explanation : 1800 Gallon Double Wall Tank With Leak Detection Serves Front Building</i>								
Fuel Oil No 2	50%			2050	**	5	\$4,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Rear Side Basement</i>								
<i>Explanation : 500 Gallon Double Wall Tank With Leak Detection Serves Rear Building</i>								
Conversion Equipment								
Hot Water Boiler	30%			2043	**	1	\$4,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Serves Rear Building</i>								
Hot Water Boiler	70%	Now	\$25,400	2043	**	1	\$9,900	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Jacket Parts Missing Or Deteriorated. Leaking And Control Issue. General Condition Is Very Poor.</i>								
Distribution								
Hot Wtr Piping/Pump	100%			2038	**	4	\$1,600	
Terminal Devices								
Convactor/Radiator	100%			2043	**	1	\$10,300	
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		
Conversion Equipment								
Split Unit	30%			2038	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : 6 Units. R-410a. Serves Rear Building</i>								
Window/Wall Unit	70%			2025	\$90,700	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Front Building</i>								
<i>Explanation : Serves Front Building</i>								
Terminal Devices								
Fan Coil - 2 Pipe	30%			2038	**	1	\$3,100	
No Component	70%							
Heat Rejection								
Dry Cooler	30%			2038	**	2	\$6,700	
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2-5	\$5,300	
No Component	70%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 325 EMS ACADEMY
Asset # : 13739

Mechanical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation							
Exhaust Fans							
Interior	30%		2038	**	2	\$300	
No Component	70%						
Plumbing							
H/C Water Piping							
Brass/Copper	100%		2050	**	1		
Water Heater With Tanks							
Oil Fired	70%		2028	\$66,300	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
		<i>Location : Rear Of Basement</i>					
		<i>Explanation : Two 90 Gallon Units</i>					
Oil Fired	30%		2025	\$28,400	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
		<i>Location : Front Side Basement</i>					
		<i>Explanation : 1 Unit</i>					
Sanitary Piping							
Cast Iron	100%		LIFE	**	1		
Sump Pump(s)							
Submersible	100%		2024	\$1,100	4	\$1,000	
Sewage Ejector(s)							
Electric	100%		2035	**	4	\$1,300	
Fixtures							
Generic	100%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FORT TOTTEN - BLDG. # 332 FORMER THEATRE
Address : 332 PRATT AVENUE
Borough : QUEENS **Agency's Number** : 332
Program / Asset # : FIR0020.332 / 13766 **Yr Built/Renovated** : 1939 /
Area Sq Ft : 6,288 **Project Type** : FIRE DEPARTMENT
Date of Survey : 19-Sep-2018 **Landmark Status** : EXTERIOR, HISTORICAL DISTRICT
Areas Surveyed : Floors 1
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$565,300	
Mechanical	\$195,400	\$106,600
Total	\$760,700	\$106,600
Importance Code A	\$565,300	
Importance Code B	\$195,400	\$106,600
Total	\$760,700	\$106,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$98,200			
Mechanical	\$69,900	\$600	\$2,700	\$600
Site Enclosure	\$3,700			
Total	\$171,800	\$600	\$2,700	\$600
Importance Code A	\$133,400	\$600	\$600	\$600
Importance Code B	\$38,400		\$2,100	
Total	\$171,800	\$600	\$2,700	\$600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 332 FORMER THEATRE
Asset # : 13766

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	10%	Now	\$87,700	LIFE	**	5	\$11,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations Around Building</i>								
Masonry: Brick	85%	Now	\$341,800	LIFE	**	5	\$19,400	
<i>Vegetation Growth, Extent : Light, Area Affected : 75%</i>								
<i>Location : Various Locations Around Building</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations Around Building</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Entire Building</i>								
<i>Explanation : Building Is Abandoned. Not In Use.</i>								
Wood	5%	Now	\$26,400	2050	**	5	\$2,800	1
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front Entry Columns</i>								
Windows								
Wood	100%	Now	\$48,300	2055	**	5	\$9,400	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front, Side And Rear Facades</i>								
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 100%</i>								
<i>Location : All Facades</i>								
<i>Glazing Broken/Cracked, Extent : Severe, Area Affected : 100%</i>								
<i>Location : All Facades</i>								
Roof								
Slate	100%	Now	\$135,900	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Various Locations</i>								
Soffits								
Stucco Cement	100%	Now	\$23,400	2050	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front Entrance</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front Entrance</i>								
<i>Explanation : Fascia Of Entrance Canopy Is Deteriorating</i>								
Interior								
Floors								
Not Accessible	100%							
<i>Other Observation, Extent : N/A, Area Affected : 0%</i>								
<i>Location : First Floor</i>								
<i>Explanation : Entrances Boarded Closed.</i>								
Interior Walls								
Not Accessible	100%							
Ceilings								
Not Accessible	100%							
Site Enclosure								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 332 FORMER THEATRE
Asset # : 13766

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Enclosure

Retaining Walls

Cast in Place Concrete	100%	Now	\$3,700	2080				**
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Cracking/Crumbling, Extent : Severe, Area Affected : 100%

Location : Left Side Of Building

Site Pavements

On-Site Walkways

Cast in Place Concrete	60%			2028				
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Pavers/Stone	40%			2033				
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Not Accessible	100%							
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Other Observation, Extent : N/A, Area Affected : 0%

Location :

Explanation : Building Is Abandoned

Transformers

Not Accessible	100%							
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Switchgear / Switchboard

Not Accessible	100%							
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Raceway

Not Accessible	100%							
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Panelboards

Not Accessible	100%							
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Wiring

Not Accessible	100%							
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Motor Controllers

Not Accessible	100%							
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Ground

Grounding Devices

Not Accessible	100%							
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Stand-by Power

Transfer Switches

Not Accessible	100%							
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Generators

Not Accessible	100%							
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Batteries

Not Accessible	100%							
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Fuel Storage

Not Accessible	100%							
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Lighting

Interior Lighting

Not Accessible	100%							
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 332 FORMER THEATRE
Asset # : 13766

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Egress Lighting
 Not Accessible 100%

Lightning Protection

Arresters/Cabling
 Not Accessible 100%

Alarm

Security System
 Not Accessible 100%

Fire/Smoke Detection
 Not Accessible 100%

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source
 Fuel Oil 100% Now \$16,100 2060 * * 5 \$1,000
Abandoned in Place, Extent : Severe, Area Affected : 100%
Location : Basement
Other Observation, Extent : Light, Area Affected : 100%
Location : Throughout
Explanation : This Is An Abandoned Building

Conversion Equipment
 Steam Boiler 100% Now \$35,200 2050 * * 1 \$5,600
Abandoned in Place, Extent : Severe, Area Affected : 100%
Location : Basement

Distribution
 Not Accessible 100%

Terminal Devices
 Not Accessible 100%

Air Conditioning

Energy Source
 Electricity 100% Now \$18,500 2055 * * 1
Abandoned in Place, Extent : Severe, Area Affected : 100%
Location : 2nd Floor

Conversion Equipment
 Interior Pkg Unit - Cooling 100% Now \$106,600 2031 \$106,600 2 \$300
Abandoned in Place, Extent : Severe, Area Affected : 100%
Location : 2nd Floor

Distribution
 Ductwork/Diffusers 100% Now \$88,800 LIFE * * 2 \$8,200
Abandoned in Place, Extent : Severe, Area Affected : 100%
Location : 2nd Floor

Plumbing

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 332 FORMER THEATRE
Asset # : 13766

Mechanical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing							
H/C Water Piping Not Accessible	100%						
HW Heat Exchanger Not Accessible	100%						
Sanitary Piping Not Accessible	100%						
Storm Drain Piping Not Accessible	100%						
Sump Pump(s) Not Accessible	100%						
Backflow Preventer Not Accessible	100%						
Fixtures Not Accessible	100%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FORT TOTTEN - BLDG. # 333 QUARTERMASTER
Address : 333 PRATT AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.333 / 13767 **Yr Built/Renovated** : 1897 / 1997
Area Sq Ft : 17,602 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Sep-2018 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Roof, Floors 1
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$153,900	
Interior Architecture	\$163,800	
Electrical	\$66,800	\$66,800
Mechanical		\$315,500
Site Pavements	\$178,100	\$51,900
Total	\$562,700	\$434,300
Importance Code A	\$153,900	\$164,500
Importance Code B	\$230,600	\$217,900
Importance Code C	\$178,100	\$51,900
Total	\$562,700	\$434,300

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$35,300			
Interior Architecture	\$68,200	\$5,600		\$2,300
Electrical	\$2,200	\$50,100	\$1,700	\$2,000
Mechanical	\$12,000	\$34,500	\$5,300	\$2,300
Site Enclosure	\$400			
Site Pavements	\$2,300	\$600	\$100	\$100
Total	\$120,300	\$90,700	\$7,100	\$6,700
Importance Code A	\$43,500	\$1,800	\$1,700	\$1,700
Importance Code B	\$74,400	\$88,400	\$5,300	\$4,800
Importance Code C	\$2,300	\$600	\$100	\$100
Total	\$120,300	\$90,700	\$7,100	\$6,700



*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 333 QUARTERMASTER
Asset # : 13767

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Alum/Vinyl Siding	15%	Now	\$3,400	2040	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Near Ramp</i>								
Cast in Place Concrete	5%	Now	\$13,800	LIFE	**	5	\$5,400	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Base Of Building</i>								
Masonry: Brick	70%	Now	\$66,300	LIFE	**	5	\$15,000	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Various Locations</i>								
Masonry: Fieldstone	8%	4+	\$3,800	LIFE	**	5	\$1,300	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Various Locations</i>								
Wood	2%	0-2	\$10,000	2043	**	5	\$1,100	
<i>Deteriorated Finish, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Wood Columns At Entry</i>								
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Wood Columns</i>								
Windows								
Wood	100%			2038	**	5	\$48,200	
<i>Air Infiltration, Extent : Moderate, Area Affected : 75%</i>								
<i>Location : Various Locations, Due To Window Air Conditioning Units</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Roof								
Asphalt Shingle	100%	Now	\$4,400	2026	\$87,600			
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Various Locations</i>								
Soffits								
Alum/Vinyl Siding	100%			2050	**	10		
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 333 QUARTERMASTER
Asset # : 13767

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	20%	Now	\$10,100	LIFE	**	5	\$12,200	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Ceramic Tile	5%			2039	**	5	\$1,400	
Sheet Vinyl/Rubber	10%			2038	**	5	\$4,200	
Vinyl Tile	45%	Now	\$111,200	2040	**	3	\$4,700	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Basement, 1st Floor Office And Throughout</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Basement, Tailor Shop And 1st Floor</i>								
Vinyl Tile 9" X 9"	20%	Now	\$52,600	2040	**	3	\$2,100	
<i>Adhesion Failure, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement</i>								
Interior Walls								
Ceramic Tile	2%			2033	\$25,700	5	\$400	
Gypsum Board	38%			LIFE	**	5	\$5,000	
Masonry: Brick	5%			LIFE	**			
Plaster	50%			LIFE	**	5	\$3,300	
Wood	5%			LIFE	**	5	\$4,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Lobby</i>								
<i>Explanation : Wainscot</i>								
Ceilings								
AcousTileSusp.Lay-In	40%			2035	**	5	\$11,100	
Embossed Metal	5%	Now	\$15,700	LIFE	**	5	\$600	
<i>Bent/Warped Elements, Extent : Light, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Gypsum Board	45%	Now	\$23,500	LIFE	**	5	\$15,600	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Plaster	10%	Now	\$18,100	LIFE	**	5	\$1,700	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Site Enclosure								
Retaining Walls								
Cast in Place Concrete	100%	Now	\$400	2065	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Entry Ramp Wall</i>								
Site Pavements								

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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 333 QUARTERMASTER
Asset # : 13767

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

On-Site Walkways

Cast in Place Concrete	80%	4+	\$2,300	2043	**			
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 10%**Location : Throughout*

Wood	20%			2028	\$51,900	1-3	\$2,300	
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Parking/Driveway

Asphalt	100%	0-2	\$178,100	2045	**			
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*Cracking/Crumbling, Extent : Severe, Area Affected : 40%**Location : Parking Area*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2040	**	5	\$100	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Main Service Disconnect Switch Rated At 400 Amperes.*

Switchgear / Switchboard

Molded Case Bkrs	100%			2040	**	5	\$500	
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Raceway

Conduit	90%			2030	\$4,300	1		
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Conduit	10%			2040	**	1		
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Panelboards

Molded Case Bkrs	80%			2029	\$8,600	5	\$400	
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Molded Case Bkrs	20%			2038	**	5	\$100	
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Wiring

Thermoplastic	80%			2030	\$7,800	1		
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Thermoplastic	20%			2040	**	1		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$300	
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Stand-by Power

Transfer Switches

Automatic	100%			2035	**	1	\$5,400	
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Lighting

Interior Lighting

Fluorescent	50%			2030	\$66,800	10	\$8,100	
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*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : Basement*

Fluorescent	50%			2025	\$66,800	10	\$8,100	
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*T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : 1st Floor*

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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 333 QUARTERMASTER
Asset # : 13767

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Egress Lighting								
Emergency, Battery	50%			2025	\$15,800	10	\$2,100	
Exit, Service	50%			2025	\$3,200	1		
Exterior Lighting								
HID	10%			2025	\$8,800	10		
Incandescent	10%			2025	\$10,100	2		
No Component	80%							

Alarm

Security System								
No Component	80%							
Generic	20%			2030	\$7,100	1	\$1,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Hallways</i>								
<i>Explanation : Intrusion Alarm Only. Motion Sensors</i>								
Fire/Smoke Detection								
Generic, Digital	100%			2030	\$48,700	1-3	\$11,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : Strobe Lights, Manual Pull Stations Smoke Detectors And Bells</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source								
Fuel Oil No 2	100%			2056	**	5	\$5,500	
Conversion Equipment								
Steam Boiler	100%	0-2	\$8,200	2028	\$164,500	1	\$15,700	
<i>Damaged, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement Flue Duct Needs To Be Repaired / Replaced</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Mechanical Room</i>								
<i>Explanation : 1 Oil Fired Steam Boiler</i>								
Distribution								
Steam Piping/Pump	100%	0-2	\$3,000	2030	\$151,100			
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Terminal Devices								
Convactor/Radiator	100%			2035	**	1	\$5,700	

Air Conditioning

Energy Source								
Electricity	100%			2038	**	1		
Conversion Equipment								
Split Unit	5%			2030	\$22,400			
Window/Wall Unit	45%			2025	\$32,200	1		
No Component	50%							

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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 333 QUARTERMASTER
Asset # : 13767

Mechanical	Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Terminal Devices								
Fan Coil - 2 Pipe	5%			2030	\$14,400	1	\$300	
No Component	95%							
Heat Rejection								
Dry Cooler	5%			2030	\$2,200	2	\$600	
No Component	95%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$1,000	
No Component	90%							
Exhaust Fans								
Roof	10%			2030	\$3,700	2	\$100	
No Component	90%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	**	1		
Water Heater With Tanks								
Electric	100%			2029	\$25,300	4		
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FORT TOTTEN - BLDG. # 336 FLSTP BILLETS
Address : 336 SHORE ROAD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.336 / 13768 **Yr Built/Renovated** : 1958 / 2002
Area Sq Ft : 23,732 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Sep-2018 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$213,100	\$375,300
Interior Architecture	\$67,800	\$930,600
Electrical		\$282,600
Mechanical	\$96,400	\$208,000
Site Pavements	\$214,300	
Total	\$591,600	\$1,796,400
Importance Code A	\$213,100	\$437,700
Importance Code B	\$96,400	\$868,100
Importance Code C	\$282,100	\$490,700
Total	\$591,600	\$1,796,400

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$16,800			
Interior Architecture	\$8,600	\$3,300	\$514,900	\$600
Electrical	\$6,400	\$14,200	\$4,100	\$3,300
Mechanical	\$6,600	\$6,100	\$2,800	\$2,400
Site Pavements	\$5,700			
Total	\$44,200	\$23,600	\$521,800	\$6,200
Importance Code A	\$18,000	\$1,200	\$1,200	\$1,200
Importance Code B	\$20,400	\$22,400	\$520,700	\$5,000
Importance Code C	\$5,700			
Total	\$44,200	\$23,600	\$521,800	\$6,200



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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 336 FLSTP BILLETS
Asset # : 13768

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Cast in Place Concrete	2%	Now	\$3,700	LIFE	**	5	\$5,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Boiler Room Entrance, Steps At Entry</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement Laundry Room</i>								
Cast Stone/Terra Cotta	2%			LIFE	**	5	\$9,100	
Masonry: Brick	96%	0-2	\$98,900	LIFE	**	5	\$56,000	
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Brick Open Joints</i>								
Windows								
Steel	2%	Now	\$13,100	2055	**	5	\$1,700	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Glazing Broken/Cracked, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Basement</i>								
<i>Hardware Missing, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Wood	98%	0-2	\$114,200	2046	**	5	\$66,300	
<i>Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd And 3rd Floors</i>								
<i>Dry Rot/Decay, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Facades</i>								
<i>Explanation : Vinyl-clad Wood Windows</i>								
Roof								
Built-Up (BUR)	100%			2030	\$252,900	10	\$20,200	
Interior								
Floors								
Carpet	60%			2026	\$501,700	3	\$39,700	
Cast in Place Concrete	10%	Now	\$8,000	LIFE	**	5	\$9,600	
<i>Water Penetration, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Basement, Washroom Area</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement Boiler Room</i>								
<i>Explanation : Ground Water Leaking In</i>								
Mosaic Tile	10%			2043	**	5	\$11,000	
Sheet Vinyl/Rubber	10%			2030	\$309,300	5	\$6,600	
Vinyl Tile	10%			2030	\$130,600	3	\$2,200	

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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 336 FLSTP BILLETS
Asset # : 13768

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior**Interior Walls**

Cast in Place Concrete	10%	Now	\$67,800	LIFE		**		
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*Diagonal Cracks, Extent : Moderate, Area Affected : 2%**Location : Basement, Washroom Area**Water Penetration, Extent : Severe, Area Affected : 5%**Location : Basement, Washroom Area*

Ceramic Tile	20%			2033	\$490,700	5	\$8,300	
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Concrete Masonry Unit	60%			LIFE	**	5	\$10,000	
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 20%**Location : Basement, Washroom Area*

Gypsum Board	10%			LIFE	**	5	\$2,500	
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Ceilings

AcousTileSusp.Lay-In	10%			2043	**	5	\$4,400	
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Exposed Struc: Concrete	2%			LIFE	**	5	\$100	
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Gypsum Board	88%			LIFE	**	5	\$48,500	
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Site Enclosure**Retaining Walls**

Cast in Place Concrete	100%			2050	**			
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Site Pavements**On-Site Walkways**

Cast in Place Concrete	100%	Now	\$5,700	2043	**			
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*Cracking/Crumbling, Extent : Severe, Area Affected : 40%**Location : Walkways***Parking/Driveway**

Asphalt	100%	Now	\$214,300	2045	**			
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*Cracking/Crumbling, Extent : Severe, Area Affected : 100%**Location : Parking Area**Ponding, Extent : Severe, Area Affected : 30%**Location : Parking Area*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Over 600 Volts**Service Equipment**

Oil Fuse Cutout	100%			2030	\$62,400	3	\$100	
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Transformers

Dry Type	100%			2035	**	3	\$100	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Side Of The Building**Explanation : 300 Kilovolt-ampere, 4,160 / 2018/120 Volts***Feeders**

Cable	100%			2029	\$21,800	1		
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Raceway

Conduit	100%			2030	\$52,500	1		
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Under 600 Volts

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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 336 FLSTP BILLETS
Asset # : 13768

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2040	**	5	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Main Service Disconnect Switch Rated At 800 Amperes.</i>						
Switchgear / Switchboard								
Fused Disc Sw	100%			2050	**	5	\$100	
Raceway								
Conduit	100%			2050	**	1		
Panelboards								
Molded Case Bkrs	100%			2046	**	5	\$600	
Wiring								
Thermoplastic	100%			2050	**	1		
Motor Controllers								
Locally Mounted	100%			2028	\$36,900	5	\$200	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$300	
Stand-by Power								
Transfer Switches								
Automatic	100%			2035	**	1	\$7,300	
Generators								
Diesel	100%			2033	\$86,400	1	\$9,200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Rear Of The Building</i>						
		<i>Explanation : Emergency Generator Rated At 80 Kilovolt-ampere</i>						
Batteries								
Lead/Acid	100%			2024	\$2,600	5	\$900	
Fuel Storage								
Main Tank	100%			2045	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Rear Of The Building</i>						
		<i>Explanation : 60 Gallons Rated Capacity</i>						
Lighting								
Interior Lighting								
Fluorescent	50%			2035	**	10	\$10,900	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Incandescent	50%			2030	\$81,300	2	\$300	
Egress Lighting								
Emergency, Service	50%			2030	\$7,800	1		
Exit, Service	50%			2035	**	1		
Exterior Lighting								
HID	30%			2030	\$35,600	10		
No Component	70%							
Alarm								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 336 FLSTP BILLETS
Asset # : 13768

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Security System

No Component

70%

Generic

30%

2030

\$14,300

1

\$2,700

*Other Observation, Extent : Light, Area Affected : 100%**Location : Hallways**Explanation : Intrusion Alarm System Only. Motion Sensors*

Fire/Smoke Detection

Generic, Digital

100%

2038

**

1-3

\$14,600

*Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout The Building**Explanation : Strobe Lights, Manual Pull Stations, Alarm Bells, Smoke Detectors And**Horns*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Fuel Oil No 2

100%

2040

**

5

\$7,400

*Other Observation, Extent : Light, Area Affected : 100%**Location : Rear Of Building**Explanation : Oil Tank Above Ground*

Conversion Equipment

Hot Water Boiler

100%

2035

**

1

\$11,700

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 1 Unit*

Distribution

Hot Wtr Piping/Pump

100%

0-2

\$2,800

2038

**

4

\$1,200

*Corroded, Extent : Moderate, Area Affected : 20%**Location : Boiler Room*

Terminal Devices

Convactor/Radiator

100%

2028

\$208,000

1

\$7,700

Air Conditioning

Energy Source

Electricity

100%

2038

**

1

Conversion Equipment

Window/Wall Unit

100%

2025

\$96,400

1

Plumbing

H/C Water Piping

Brass/Copper

100%

2040

**

1

Water Heater With Tanks

Electric

100%

2028

\$25,300

4

Sanitary Piping

Cast Iron

100%

LIFE

**

1

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 336 FLSTP BILLETS
Asset # : 13768

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sump Pump(s)							
	Submersible	100%			2024	\$800	4	\$800
Fixtures								
	Generic	100%						
Fire Suppression								
	Sprinkler							
	Generic	100%			2050	**	1-2	\$6,600

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FORT TOTTEN - BLDG. # 405 EMS ACADEMY - CFR TRAINING
Address : 405 WHISTLER AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.405 / 13772 **Yr Built/Renovated** : 1900 /
Area Sq Ft : 22,392 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-Sep-2018 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$136,900	
Interior Architecture		\$1,175,400
Electrical	\$149,600	
Mechanical	\$77,300	\$94,600
Site Pavements	\$421,400	
Total	\$785,200	\$1,270,100
Importance Code A	\$136,900	
Importance Code B	\$226,900	\$1,270,100
Importance Code C	\$421,400	
Total	\$785,200	\$1,270,100

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$22,300		\$6,100	
Interior Architecture	\$68,100		\$25,100	\$5,600
Electrical	\$4,900	\$47,100	\$2,100	\$1,800
Mechanical	\$4,100	\$7,000	\$3,100	\$3,600
Site Enclosure	\$400			
Site Pavements	\$6,400			
Total	\$106,100	\$54,100	\$36,400	\$11,000
Importance Code A	\$24,500	\$2,400	\$8,300	\$2,200
Importance Code B	\$54,800	\$51,700	\$28,100	\$8,800
Importance Code C	\$26,800			
Total	\$106,100	\$54,100	\$36,400	\$11,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 405 EMS ACADEMY - CFR TRAINING
Asset # : 13772

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	20%	Now	\$20,600	LIFE	**	5	\$11,700	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 1%</i>								
<i>Location : Building Extension At Rear; Front Entrance Area</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Chimney</i>								
Masonry: Brick	65%			LIFE	**	5	\$37,900	
Masonry: Granite	10%			LIFE	**	5	\$4,400	
Wood	5%	Now	\$67,700	2043	**	5	\$7,300	
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Wood Columns At Entry</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Roof Eaves/ Soffits</i>								
<i>Split/Cracked, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Roof Eaves/ Soffits, Entry Columns</i>								
Windows								
Aluminum	10%	Now	\$69,200	2055	**	5	\$700	
<i>Air Infiltration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : North Side</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : North Side</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : North Side</i>								
Aluminum	90%			2046	**	5	\$12,200	
Roof								
Asphalt Shingle	90%			2039	**	10	\$3,000	
Roll Roofing	10%			2029	\$14,100	5	\$3,400	
Soffits								
Alum/Vinyl Siding	40%			2050	**	10		
Stucco Cement	60%			2035	**	5		
Interior								
Floors								
Carpet	3%	4+	\$500	2026	\$25,100	3	\$2,000	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 1st Floor A/v Conference Room</i>								
Cast in Place Concrete	5%			LIFE	**	5	\$4,800	
Mosaic Tile	2%	4+	\$1,800	2035	**	5	\$1,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Toilet Room</i>								
Vinyl Tile	90%	4+	\$23,500	2030	\$1,175,400	3	\$14,900	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 1st Floor Cafeteria</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 405 EMS ACADEMY - CFR TRAINING
Asset # : 13772

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	2%			2033	\$49,100	5	\$800	
Concrete Masonry Unit	2%			LIFE	**	5	\$300	
Masonry: Brick	2%			LIFE	**			
Plaster	94%	Now	\$20,400	LIFE	**	5	\$11,700	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Stairways</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 3%</i>								
<i>Location : Basement Room B03, Second Floor, Meeting Room</i>								
Ceilings								
AcousTile,Adhered	10%	0-2	\$3,000	2035	**	5	\$2,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 8%</i>								
<i>Location : Second Floor, Rooms 203, 210 And Hallway</i>								
AcousTileSusp.Lay-In	20%			2043	**	5	\$8,800	
AcousTileSusp.Lay-In	10%	4+	\$1,600	2035	**	5	\$2,200	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 3rd Floor, Toilet Rooms</i>								
Plaster	60%	Now	\$17,300	LIFE	**	5	\$16,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Hallway And Stairway</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor Classrooms</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 12%</i>								
<i>Location : Basement Room B03, 2nd Floor Offices.</i>								
Site Enclosure								
Retaining Walls								
Masonry: Brick	100%	0-2	\$400	2040	**			
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Front Of Building</i>								
Site Pavements								
On-Site Walkways								
Asphalt	25%			2033	\$4,500			
Cast in Place Concrete	75%	Now	\$6,400	2043	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Front Entrance Walkways And Steps, Property Sidewalks</i>								
Parking/Driveway								
Asphalt	100%	Now	\$421,400	2045	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Parking Area</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 405 EMS ACADEMY - CFR TRAINING
Asset # : 13772

Electrical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	30%			2050	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch For Generator</i>								
Molded Case Bkrs	70%			2050	**	5	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch For The Building</i>								
Transformers								
Dry Type	100%			2043	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside Next To Generator Room</i>								
<i>Explanation : One 112.5 Kilovolt-ampere 208 Volts Primary - 120 Volts Secondary</i>								
Raceway								
Conduit	30%			2050	**	1		
Conduit	70%			2030	\$3,300	1		
Panelboards								
Fused Disc Sw	5%			2029	\$1,100	5		
Molded Case Bkrs	95%			2046	**	5	\$600	
Wiring								
Thermoplastic	70%			2050	**	1		
Thermoplastic	30%			2030	\$2,900	1		
Motor Controllers								
Locally Mounted	100%			2043	**	5	\$200	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$300	
Stand-by Power								
Transfer Switches								
Automatic	100%			2043	**	1	\$6,900	
Generators								
Diesel	100%			2039	**	1	\$8,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 80 Kilowatt</i>								
Batteries								
Lead/Acid	100%			2024	\$2,600	5	\$800	
Fuel Storage								
Main Tank	100%			2058	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside Generator Room</i>								
<i>Explanation : One - 45 Gallons</i>								
Lighting								

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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 405 EMS ACADEMY - CFR TRAINING
Asset # : 13772

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	88%			2025	\$149,600	10	\$18,100	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	10%			2035	**	10	\$2,100	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Hallway</i>								
Incandescent	2%			2025	\$3,100	2		
Egress Lighting								
Emergency, Service	50%			2025	\$7,400	1		
Emergency, Service	10%			2035	**	1		
Exit, Service	40%			2025	\$3,300	1		
Exterior Lighting								
HID	10%			2025	\$11,200	10		
HID	20%			2035	**	10		
No Component	70%							
Alarm								
Security System								
No Component	70%							
Generic	30%			2035	**	1	\$2,500	

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Fuel Oil No 2	100%			2050	**	5	\$6,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2,000 Gallon Tank</i>								
Conversion Equipment Steam Boiler	100%			2035	**	1	\$22,200	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution Steam Piping/Pump	100%			2040	**			
Terminal Devices Convactor/Radiator	100%			2035	**	1	\$7,200	
Air Conditioning								
Energy Source Electricity	100%			2038	**	1		

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 405 EMS ACADEMY - CFR TRAINING
Asset # : 13772

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Air Conditioning								
Conversion Equipment								
	Split Unit	15%			2035	**		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 2nd Floor Training Room</i>								
<i>Explanation : 3 Units. Refrigerant 410a</i>								
	Window/Wall Unit	85%			2025	\$77,300	1	
Terminal Devices								
	Fan Coil - 2 Pipe	15%			2035	**	1	\$1,100
	No Component	85%						
Heat Rejection								
	Dry Cooler	15%			2035	**	2	\$2,300
	No Component	85%						
Plumbing								
H/C Water Piping								
	Brass/Copper	100%			2040	**	1	
Water Heater With Tanks								
	Oil Fired	100%			2028	\$94,600	1	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Sanitary Piping								
	Cast Iron	100%			LIFE	**	1	
Sump Pump(s)								
	Submersible	100%			2024	\$700	4	\$700
Fixtures								
	Generic	100%						
Fire Suppression								
Sprinkler								
	No Component	90%						
	Generic	10%			2040	**	1-2	\$600

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FORT TOTTEN - BLDG. # 415 FLSTP - DINING HALL
Address : 415 WEAVER ROAD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.415 / 13777 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 9,894 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-Sep-2018 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL		FY 2024 - 2027	FY 2028 - 2033
Mechanical			\$43,400
Site Pavements			\$239,800
Total			\$283,200
Importance Code B			\$43,400
Importance Code C			\$239,800
Total			\$283,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture				\$1,100
Interior Architecture	\$70,400		\$600	\$4,800
Electrical	\$3,200	\$12,400	\$400	\$300
Mechanical	\$2,000	\$46,700	\$3,400	\$1,200
Site Pavements	\$2,100	\$400	\$2,700	\$400
Total	\$77,800	\$59,400	\$7,200	\$7,800
Importance Code A	\$700	\$800	\$700	\$1,800
Importance Code B	\$44,400	\$58,300	\$3,800	\$5,600
Importance Code C	\$32,600	\$400	\$2,700	\$400
Total	\$77,800	\$59,400	\$7,200	\$7,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 415 FLSTP - DINING HALL
Asset # : 13777

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	**	5	\$9,000	
<i>Recent Repair Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Facade Pointing</i>								
Masonry: Granite	20%			LIFE	**	5	\$1,900	
Wood	10%			2043	**	5	\$6,400	
<i>Recent Repair Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Porch Entablature, Balustrade And Roof Eaves</i>								
Windows								
Wood	100%			2052	**	5	\$2,200	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : All Facades</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Facades</i>								
<i>Explanation : Vinyl-clad Wood Windows</i>								
Roof								
Modified Bitumen	30%			2038	**	10	\$8,400	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Porch Roof</i>								
Slate	70%			LIFE	**			
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Explanation : Synthetic/ Polymer Slate Roof</i>								
Soffits								
Wood	100%			2043	**	5	\$800	
Interior								
Floors								
Cast in Place Concrete	20%			LIFE	**	5	\$6,500	
Ceramic Tile	3%			2043	**	5	\$400	
Ceramic Tile	2%			2033	\$17,900	5	\$300	
Vinyl Tile	35%			2038	**	3	\$1,900	
Wood	40%	0-2	\$18,900	2058	**	5	\$5,600	
<i>Deteriorated Finish, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Section B</i>								
Interior Walls								
Ceramic Tile	3%			2043	**	5	\$400	
Ceramic Tile	2%			2033	\$17,200	5	\$300	
Gypsum Board	45%			LIFE	**	5	\$3,900	
Masonry: Brick	5%			LIFE	**			
Metal Panel	5%			LIFE	**			
Plaster	40%	Now	\$30,500	LIFE	**	5	\$1,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Section B 2nd Floor, Bathrooms, Stair Walls</i>								
<i>Deteriorated Finish, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Section B, Stair Walls And Corridors, Bathrooms</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 415 FLSTP - DINING HALL
Asset # : 13777

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileSusp.Lay-In	65%			2047	**	5	\$9,600	
Embossed Metal	8%			LIFE	**	5	\$500	
Embossed Metal	7%	4+	\$1,700	LIFE	**	5	\$500	

Paint Peeling, Extent : Severe, Area Affected : 20%

Location : Section B

Plaster	20%	Now	\$19,300	LIFE	**	5	\$1,900	
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Cracking/Crumbling, Extent : Severe, Area Affected : 10%

Location : Section B

Loose/Delam Surface, Extent : Severe, Area Affected : 40%

Location : Section B

Site Pavements

On-Site Walkways

Cast in Place Concrete	40%	4+	\$1,700	2035	**			
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Broken/Missing Elements, Extent : Moderate, Area Affected : 5%

Location : Entry Walkway

Wood	60%			2029	\$239,800	1-3	\$10,600	
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Recent Replace Evident, Extent : N/A, Area Affected : 100%

Location : Entry Porch Floor And Steps

Parking/Driveway

Asphalt	100%			2033				
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	70%			2050	**	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : Two 100 Ampere Service Switches For A And B Section

Fused Disc Sw	30%			2060	**	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : One 200 Ampere Main Disconnect Switch For The Portable Generator

Raceway

Conduit	50%			2030	\$2,400	1		
Conduit	40%			2050	**	1		
Conduit	10%			2060	**	1		

Panelboards

Fused Disc Sw	5%			2046	**	5		
Molded Case Bkrs	95%			2046	**	5	\$200	

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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 415 FLSTP - DINING HALL
Asset # : 13777

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Wiring								
Braided Cloth	30%	0-2	\$2,900	2055	**	1		
<i>Insulation Aged, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	60%			2050	**	1		
Thermoplastic	10%			2056	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2050	**	1	\$3,000	
Lighting								
Interior Lighting								
Fluorescent	10%			2035	**	10	\$900	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st and 2nd Floor</i>								
Fluorescent	60%			2035	**	10	\$5,400	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
LED	30%			2040	**			
Exterior Lighting								
HID	20%			2035	**	10		
Incandescent	10%			2025	\$5,700	2		
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil No 2	100%			2056	**	5	\$3,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : A And B Side. Basement</i>								
<i>Explanation : 2 Tanks In Each Side.</i>								
Conversion Equipment								
Hot Water Boiler	50%			2047	**	1	\$2,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : A Side Basement</i>								
<i>Explanation : 1 Unit</i>								
Steam Boiler	50%			2047	**	1	\$4,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : B Side Basement</i>								
<i>Explanation : 1 Unit</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 415 FLSTP - DINING HALL
Asset # : 13777

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Heating								
Distribution								
	Hot Wtr Piping/Pump	50%			2052	**	4	\$400
	Steam Piping/Pump	50%			2030	\$42,500		
Terminal Devices								
	Convactor/Radiator	50%			2050	**	1	\$1,600
	<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>							
	<i>Location : A Side Throughout</i>							
	Convactor/Radiator	50%			2028	\$43,400	1	\$1,600
Air Conditioning								
Energy Source								
	Electricity	100%			2046	**	1	
Conversion Equipment								
	Split Unit	50%			2040	**		
	<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>							
	<i>Location : 4 Units In A Side. Refrigerant R-410a.</i>							
	Window/Wall Unit	50%			2025	\$20,100	1	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Throughout B Side.</i>							
	<i>Explanation : Multiple Units</i>							
Terminal Devices								
	Fan Coil - 2 Pipe	50%			2040	**	1	\$1,600
	No Component	50%						
Heat Rejection								
	Dry Cooler	50%			2040	**	2	\$3,400
	No Component	50%						
Plumbing								
H/C Water Piping								
	Brass/Copper	50%			2060	**	1	
	<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>							
	<i>Location : A Side</i>							
	Brass/Copper	50%			2040	**	1	
Water Heater With Tanks								
	Electric	100%			2025	\$25,300	4	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : A And B Side Baement</i>							
	<i>Explanation : 1 Unit In Each Side</i>							
Sanitary Piping								
	Cast Iron	50%			LIFE	**	1	
	<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>							
	<i>Location : A Side</i>							
	Cast Iron	50%			LIFE	**	1	
Fixtures								
	Generic	100%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FORT TOTTEN - BLDG.# 134 A AND B 1B MEDICAL BOARD
Address : 134 SGT. BEERS AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.134 / 13741 **Yr Built/Renovated** : 1938 /
Area Sq Ft : 4,339 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Sep-2018 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$68,200	
Total	\$68,200	
Importance Code A	\$68,200	
Total	\$68,200	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$64,700		\$2,100	
Interior Architecture	\$7,600			
Electrical		\$6,500		\$100
Mechanical	\$500	\$500	\$1,100	\$400
Site Pavements	\$10,700			
Total	\$83,500	\$7,100	\$3,300	\$400
Importance Code A	\$64,900	\$200	\$2,300	\$200
Importance Code B	\$3,900	\$6,800	\$1,000	\$200
Importance Code C	\$14,700			
Total	\$83,500	\$7,100	\$3,300	\$400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 134 A AND B 1B MEDICAL BOARD
Asset # : 13741

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	10%	Now	\$27,000	LIFE	**	5	\$7,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Exterior Stairs And Railing</i>								
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Exterior Stairs</i>								
Cement - Fiber Panel	5%	Now	\$2,700	2035	**			
<i>Worn/Eroded, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	55%	Now	\$68,200	LIFE	**	5	\$7,700	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Vegetation Growth, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front And Side Elevations</i>								
Masonry: Brick	15%			LIFE	**	5	\$2,100	
Pre-Cast Concrete	5%			LIFE	**	5	\$2,300	
Wood	10%	Now	\$32,600	2043	**	5	\$3,500	1
<i>Deteriorated Finish, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Eaves, Soffits, Gables</i>								
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Fascia Boards</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Windows								
Aluminum	100%			2046	**	5	\$4,200	
Roof								
Asphalt Shingle	85%			2039	**	10	\$1,600	
Copper/Terne	15%	Now	\$2,300	2058	**			
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Roof Surface</i>								
<i>Explanation : Flashing Misaligned And Deteriorated.</i>								
Interior								
Floors								
Cast in Place Concrete	10%			LIFE	**	5	\$1,300	
Ceramic Tile	5%	Now	\$400	2039	**	5	\$100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 2nd Floor Bathroom</i>								
Vinyl Tile	5%			2035	**	3	\$100	
Wood	80%			2058	**	5	\$8,800	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 134 A AND B 1B MEDICAL BOARD
Asset # : 13741

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%			2039	**	5	\$200	
Gypsum Board	40%			LIFE	**	5	\$800	
Masonry: Brick	10%	Now	\$3,200	LIFE	**			
<i>Paint Peeling, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Basement</i>								
<i>Spalling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Plaster	45%	4+	\$700	LIFE	**	5	\$400	
<i>Paint Peeling, Extent : Light, Area Affected : 2%</i>								
<i>Location : Basement Stairwell</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement</i>								
Ceilings								
AcousTileSusp.Lay-In	15%			2043	**	5	\$900	
Plaster	85%	Now	\$3,300	LIFE	**	5	\$3,100	
<i>Water Penetration, Extent : Severe, Area Affected : 2%</i>								
<i>Location : 1st Floor Entry At Waiting Area, Office In Section B</i>								
Site Enclosure								
Retaining Walls								
Cast in Place Concrete	100%			2050	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$10,700	2043	**			
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 4%</i>								
<i>Location : Walkways To Entrances, Stairs In The Rear</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2056	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Section A And B</i>								
<i>Explanation : Two 100 Ampere Main Disconnect Switches</i>								
Raceway								
Conduit	90%			2056	**	1		
Conduit	10%			2030	\$500	1		
Panelboards								
Fused Disc Sw	4%			2052	**	5		
Molded Case Bkrs	96%			2052	**	5	\$100	
Wiring								
Thermoplastic	80%			2056	**	1		
Thermoplastic	20%			2030	\$1,900	1		

Ground

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 134 A AND B 1B MEDICAL BOARD
Asset # : 13741

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting Fluorescent	100%			2038	**	10	\$4,000	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Egress Lighting Emergency, Battery	50%			2038	**	10	\$500	
Exit, Service	50%			2038	**	1		
Exterior Lighting HID	30%			2025	\$6,500	10		
No Component	70%							
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Fuel Oil No 2	100%			2056	**	5	\$1,300	
Conversion Equipment Hot Water Boiler	100%			2043	**	1	\$2,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : A And B Side Basement</i>								
<i>Explanation : 1 Unit For Each Side</i>								
Distribution Hot Wtr Piping/Pump	100%			2038	**	4	\$200	
Terminal Devices Convactor/Radiator	100%			2047	**	1	\$1,400	
Air Conditioning								
Energy Source Electricity	100%			2038	**	1		
Conversion Equipment Window/Wall Unit	100%			2029	\$17,600	1		
Plumbing								
H/C Water Piping Brass/Copper	100%			2050	**	1		
Water Heater With Tanks Electric	50%			2028	\$12,700	4		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : B Side Basement</i>								
<i>Explanation : 1 Unit</i>								
No Component	50%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 134 A AND B 1B MEDICAL BOARD
Asset # : 13741

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
HW Heat Exchanger Steam Fired	50%			2056	**	4	\$300	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : A Side Basement</i>							
	<i>Explanation : Domestic Coil In Boiler</i>							
No Component	50%							
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2025	\$100	4	\$100	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : 1 Unit In Each Side Basement</i>							
	<i>Explanation : 2 Units</i>							
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FORT TOTTEN - BLDG.# 316 A AND B COMMUNICATIONS
Address : 316 SGT. BEERS AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.316 / 13759 **Yr Built/Renovated** : 1933 /
Area Sq Ft : 4,287 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Sep-2018 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$21,500		\$300	
Interior Architecture	\$14,600		\$100	
Electrical		\$8,600		\$100
Mechanical	\$1,000	\$17,800	\$1,200	\$400
Total	\$37,200	\$26,300	\$1,500	\$400
Importance Code A	\$21,700	\$200	\$500	\$200
Importance Code B	\$3,700	\$26,100	\$1,100	\$200
Importance Code C	\$11,700			
Total	\$37,200	\$26,300	\$1,500	\$400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 316 A AND B COMMUNICATIONS
Asset # : 13759

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cement - Fiber Panel	15%	Now	\$300	2035		**		
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Paint Peeling</i>								
Masonry: Brick	75%	0-2	\$7,700	LIFE		**	5	\$4,400
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement Walls</i>								
Wood	10%	Now	\$13,500	2043		**	5	\$1,500
<i>Deteriorated Finish, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Fascia Board</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Fascia Board And Frieze</i>								
Windows								
Aluminum	100%			2046		**	5	\$500
Roof								
Asphalt Shingle	95%			2039		**	10	\$600
Copper/Terne	5%			2058		**	10	\$500
Interior								
Floors								
Cast in Place Concrete	25%	0-2	\$2,900	LIFE		**	5	\$3,400
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement Floor</i>								
Mosaic Tile	5%			2043		**	5	\$800
Vinyl Tile	8%			2035		**	3	\$200
Vinyl Tile 9" X 9"	2%			2030	\$23,800		3	\$100
<i>Worn/Eroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Entry Foyer</i>								
Wood	60%			2058		**	5	\$7,100
Interior Walls								
Ceramic Tile	5%	Now	\$2,600	2033	\$26,300		5	\$200
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Bathrooms</i>								
Masonry: Brick	10%	Now	\$9,100	LIFE		**		
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Basement</i>								
Plaster	85%			LIFE		**	5	\$2,300
Ceilings								
Exposed Struc: Wood	10%			LIFE		**		
Plaster	90%			LIFE		**	5	\$3,500
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2035		**		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 316 A AND B COMMUNICATIONS
Asset # : 13759

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2056	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 100 Ampere Main Disconnect Switch For Section A And B</i>								
Raceway								
Conduit	100%			2056	**	1		
Panelboards								
Fused Disc Sw	5%			2052	**	5		
Molded Case Bkrs	95%			2052	**	5	\$100	
Wiring								
Thermoplastic	100%			2056	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	96%			2038	**	10	\$3,800	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Incandescent	4%			2025		2	\$1,200	
Exterior Lighting								
Incandescent	30%			2025		2	\$7,400	
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil No 2	100%			2056	**	5	\$1,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : B Side Basement</i>								
<i>Explanation : 2 New Tanks</i>								
Conversion Equipment								
Hot Water Boiler	100%			2043	**	1	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : B Side Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Hot Wtr Piping/Pump	100%	0-2	\$500	2038	**	4	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Back Corner Office.</i>								
<i>Explanation : Not Sufficient Heat In 2nd Floor Back Corner Office.</i>								
Terminal Devices								
Convactor/Radiator	100%			2035	**	1	\$1,400	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 316 A AND B COMMUNICATIONS
Asset # : 13759

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Energy Source								
Electricity	100%			2046	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2025	\$17,400	1		
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	**	1		
HW Heat Exchanger								
Steam Fired	100%			2050	**	4	\$400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : B Side Basement</i>						
		<i>Explanation : Domestic Coil Inside Boiler</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2024	\$100	4	\$100	
Fixtures								
Generic	100%							
		<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>						
		<i>Location : 2nd Floor Mens Room</i>						
		<i>Explanation : Bathtub Piping Is Disconnected.</i>						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FORT TOTTEN - BLDG.# 400 A AND B FIRE PREVENTION DISTRICT OFFICE
Address : 400 MURRAY AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.400 / 13771 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 10,935 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-Sep-2018 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** : 4453917

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Electrical	\$41,500	
Site Enclosure	\$119,600	
Site Pavements	\$166,900	\$417,200
Total	\$328,000	\$417,200
Importance Code B	\$41,500	
Importance Code C	\$286,500	\$417,200
Total	\$328,000	\$417,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$72,800			
Interior Architecture	\$24,000	\$7,300		\$300
Electrical	\$4,200	\$23,400	\$500	\$300
Mechanical	\$3,300	\$38,000	\$2,000	\$1,400
Site Pavements		\$600	\$600	\$4,600
Total	\$104,300	\$69,300	\$3,100	\$6,700
Importance Code A	\$73,900	\$1,100	\$1,100	\$1,100
Importance Code B	\$27,600	\$67,600	\$1,400	\$1,000
Importance Code C	\$2,800	\$600	\$600	\$4,600
Total	\$104,300	\$69,300	\$3,100	\$6,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 400 A AND B FIRE PREVENTION DISTRICT OFFICE
Asset # : 13771

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$15,100	
Granite Panels	10%			LIFE	**	5	\$1,400	
Wood	10%	Now	\$43,800	2043	**	5	\$4,700	
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Wood Fascia, Wood Columns, Porch Entablature</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Wood Columns, Wood Fascia</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Roof Eaves, Cornice Entablature</i>								
Windows								
Wood	100%	Now	\$29,000	2046	**	5	\$11,200	1
<i>Air Infiltration, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Roof								
Asphalt Shingle	100%			2039	**	10	\$2,200	
Soffits								
Wood	100%			2035	**	5		
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	**	5	\$10,200	
Ceramic Tile	5%	Now	\$900	2039	**	5	\$400	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Throughout.</i>								
Vinyl Tile	15%	Now	\$3,500	2035	**	3	\$900	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Kitchen And Various Offices</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Corridors, Kitchen</i>								
Wood	50%			2045	**	5	\$14,600	
<i>Worn/Eroded, Extent : Severe, Area Affected : 70%</i>								
<i>Location : 3rd Floor Attic Space, 2nd Floor Offices</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 400 A AND B FIRE PREVENTION DISTRICT OFFICE
Asset # : 13771

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	3%	Now	\$200	2039	**	5	\$100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Bathrooms</i>								
Masonry: Brick	10%			LIFE	**			
Granite Panels	10%			LIFE	**			
Plaster	75%	Now	\$2,600	LIFE	**	5	\$1,500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Basement Gymnasium Room</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement Gymnasium Room</i>								
Wood	2%			LIFE	**	5	\$500	
Ceilings								
Embossed Metal	34%			LIFE	**	5	\$2,400	
<i>Paint Peeling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor</i>								
Plaster	66%	Now	\$16,700	LIFE	**	5	\$6,400	
<i>Paint Peeling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Rooms 20, 21, And Stairway Ceiling</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : 2nd Floor Rooms 20 And 21</i>								
Site Enclosure								
Fence/Gates								
Wood	100%	Now	\$119,600	2035	**			
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Entrance</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Entrance</i>								
<i>Explanation : Railing Of Entry Porch</i>								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	60%			2035	**			
Wood	40%	Now	\$166,900	2030	\$417,200	1-3	\$17,800	
<i>Rotting/Splitting, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Front Entry Porch Floor</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 400 A AND B FIRE PREVENTION DISTRICT OFFICE
Asset # : 13771

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2050	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 100 Ampere Main Disconnect Switches For Section A and B</i>								
<hr/>								
Raceway								
Conduit	70%			2030	\$3,300	1		
Conduit	30%			2050	**	1		
<hr/>								
Panelboards								
Fused Disc Sw	5%			2029	\$500	5		
Molded Case Bkrs	95%			2046	**	5	\$300	
<hr/>								
Wiring								
Braided Cloth	40%	2-4	\$3,900	2055	**	1		
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	30%			2030	\$2,900	1		
Thermoplastic	30%			2050	**	1		
<hr/>								
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
<hr/>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2043	**	1	\$3,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Using Portable Generator</i>								
<hr/>								
Lighting								
Interior Lighting								
Fluorescent	30%			2035	**	10	\$3,000	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Fluorescent	50%			2025	\$41,500	10	\$5,000	
<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Incandescent	20%			2025	\$15,000	2	\$100	
<hr/>								
Exterior Lighting								
HID	30%			2035	**	10		
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Heating

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 400 A AND B FIRE PREVENTION DISTRICT OFFICE
Asset # : 13771

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Fuel Oil No 2	100%			2050	**	5	\$3,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 275 Gallon Tanks Each Side</i>								
Conversion Equipment Steam Boiler	100%			2043	**	1	\$10,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Boiler Each Side</i>								
Distribution Steam Piping/Pump	100%	0-2	\$1,900	2040	**			
<i>Leak Evident, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : A Side Basement File Room</i>								
Terminal Devices Convactor/Radiator	100%			2035	**	1	\$3,500	
Air Conditioning								
Energy Source Electricity	100%			2038	**	1		
Conversion Equipment Window/Wall Unit	50%			2025		1	\$22,200	
No Component	50%							
Plumbing								
H/C Water Piping Brass/Copper	100%			2040	**	1		
Water Heater With Tanks Electric	50%			2025		4	\$12,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : A Side Basement</i>								
<i>Explanation : 1 Unit</i>								
No Component	50%							
HW Heat Exchanger Steam Fired	100%			2050	**	4	\$1,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Domestic Coil With 40 Gallon Storage Each Side</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Fixtures Generic	100%							

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FORT TOTTEN - BLDG.# 401 A AND B FIRE/LIFE SAFETY EDUCATION BLDG.
 Address : 401 MURRAY AVENUE
 Borough : QUEENS Agency's Number : N/A
 Program / Asset # : FIR0020.401 / 13769 Yr Built/Renovated : 1906 / 2004
 Area Sq Ft : 12,041 Project Type : FIRE DEPARTMENT
 Date of Survey : 21-Sep-2018 Landmark Status : HISTORICAL LANDMARK DISTRICT
 Areas Surveyed : Basement, Roof, Floors 1,2,3
 Block : 5917 Lot : 1 BIN : 4453921

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Electrical		\$89,600
Mechanical	\$47,300	\$422,000
Site Pavements		\$90,700
Total	\$47,300	\$602,300
Importance Code B	\$47,300	\$511,600
Importance Code C		\$90,700
Total	\$47,300	\$602,300

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$31,900		\$15,000	
Interior Architecture	\$20,000			\$100
Electrical	\$100	\$5,000	\$200	\$100
Mechanical	\$24,000	\$47,500	\$1,600	\$1,600
Site Pavements	\$5,600	\$1,000	\$100	\$100
Total	\$81,600	\$53,400	\$17,000	\$1,900
Importance Code A	\$55,000	\$1,200	\$16,200	\$1,200
Importance Code B	\$17,100	\$51,200	\$600	\$600
Importance Code C	\$9,600	\$1,000	\$100	\$100
Total	\$81,600	\$53,400	\$17,000	\$1,900



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 401 A AND B FIRE/LIFE SAFETY EDUCATION BLDG.
Asset # : 13769

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	**	5	\$16,900	
Granite Panels	25%			LIFE	**	5	\$4,500	
Wood	5%	0-2	\$16,800	2043	**	5	\$3,000	
<i>Deteriorated Finish, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Porch Columns And Rails</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Porch Entablature, Porch Balustrade</i>								
Windows								
Wood	100%			2046	**	5	\$30,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Facades</i>								
<i>Explanation : Vinyl-clad Wood Windows</i>								
Roof								
Asphalt Shingle	100%	Now	\$3,700	2039	**			
<i>Miss/Damaged Flashings, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Roof</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 3rd Floor Front Office And Storage</i>								
Soffits								
Wood	100%	4+	\$11,400	2043	**	5	\$4,000	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Porch Ceiling</i>								
Interior								
Floors								
Cast in Place Concrete	10%			LIFE	**	5	\$3,800	
Ceramic Tile	10%			2039	**	5	\$1,700	
Vinyl Tile	5%	Now	\$500	2035	**	3	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Wood	40%	Now	\$8,900	2058	**	5	\$6,500	
<i>Deteriorated Finish, Extent : Light, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
Wood	35%			2058	**	5	\$11,400	
Interior Walls								
Ceramic Tile	2%			2039	**	5	\$300	
Gypsum Board	25%			LIFE	**	5	\$2,500	
Granite Panels	28%			LIFE	**			
Plaster	45%	2-4	\$3,800	LIFE	**	5	\$2,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 401 A AND B FIRE/LIFE SAFETY EDUCATION BLDG.
Asset # : 13769

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
Plaster	52%	Now	\$5,800	LIFE	**	5	\$5,500	
<i>Paint Peeling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor Ceiling Over Training Area</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor Ceiling Over Training Area</i>								
Plaster	48%			LIFE	**	5	\$5,100	
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	40%	Now	\$1,300	2043	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Entry Walkway And Perimeter Walks</i>								
Wood	60%			2028	\$90,700	1-3	\$4,000	
Parking/Driveway								
Asphalt	100%	0-2	\$4,200	2039	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Parking Area</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2050	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two Main Service Disconnect Switches Rated At 100 Amperes Each</i>								
Raceway								
Conduit	75%			2030	\$3,600	1		
Conduit	25%			2050	**	1		
Panelboards								
Molded Case Bkrs	100%			2046	**	5	\$300	
Wiring								
Thermoplastic	75%			2030	\$7,300	1		
Thermoplastic	25%			2050	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Lighting								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 401 A AND B FIRE/LIFE SAFETY EDUCATION BLDG.
Asset # : 13769

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting								
Fluorescent	95%			2030	\$86,900	10	\$10,500	
			<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Throughout The Building</i>					
Fluorescent	3%			2030	\$2,700	10	\$300	
			<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>					
			<i>Location : Hallways</i>					
LED	2%			2038	* *			
Exterior Lighting								
HID	20%			2030	\$12,000	10		
No Component	80%							
Alarm								
Security System								
No Component	80%							
Generic	20%			2025	\$4,800	1	\$900	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : 1st Floor</i>					
			<i>Explanation : Intrusion Alarm Only. Motion Sensors</i>					
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil No 2	100%			2050	* *	5	\$3,700	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>					
			<i>Location : A And B Side, Basement</i>					
			<i>Explanation : 2 Tanks Each Side</i>					
Conversion Equipment								
Steam Boiler	50%	2-4	\$22,500	2043	* *	1	\$5,400	
			<i>Malfunctioning, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Boiler Control, B Side Basement</i>					
			<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>					
			<i>Location : Both Units, A And B Side Basement</i>					
			<i>Other Observation, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : Both A And B Side Basement</i>					
			<i>Explanation : 1 Old Unit Each Side</i>					
Steam Boiler	50%			2043	* *	1	\$6,000	
Distribution								
Steam Piping/Pump	100%			2030	\$103,400			
Terminal Devices								
Convactor/Radiator	100%			2028	\$105,500	1	\$3,900	
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 401 A AND B FIRE/LIFE SAFETY EDUCATION BLDG.
Asset # : 13769

Mechanical System Component Type	Current Repair			Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Conversion Equipment								
Window/Wall Unit	90%			2025	\$44,000	1		
No Component	10%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2030	\$165,800	1		
Water Heater With Tanks								
Oil Fired	50%			2029	\$47,300	1		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : B Side Basement</i>						
		<i>Explanation : 1 Unit</i>						
Oil Fired	50%			2024	\$47,300	1		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : A Side Basement</i>						
		<i>Explanation : 1 Unit</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2024	\$400	4	\$400	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : A And B Side Basement</i>						
		<i>Explanation : 1 Unit On Each Side</i>						
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FORT TOTTEN - BLDG.# 402 A AND B FIRE MARSHALS
Address : 402 MURRAY AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.402 / 13770 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 12,041 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Sep-2018 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** : 4453923

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Electrical		\$91,400
Site Pavements		\$90,700
Total		\$182,100
Importance Code B		\$91,400
Importance Code C		\$90,700
Total		\$182,100

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$12,700		\$15,000	
Interior Architecture	\$8,300			
Electrical			\$200	
Mechanical	\$4,800	\$75,800	\$3,400	\$1,600
Site Pavements	\$40,300	\$100	\$100	\$1,000
Total	\$66,200	\$76,000	\$18,800	\$2,600
Importance Code A	\$13,900	\$1,200	\$16,200	\$1,200
Importance Code B	\$8,800	\$74,600	\$2,500	\$400
Importance Code C	\$43,500	\$100	\$100	\$1,000
Total	\$66,200	\$76,000	\$18,800	\$2,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 402 A AND B FIRE MARSHALS
Asset # : 13770

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	80%			LIFE	**	5	\$19,300	
Granite Panels	15%			LIFE	**	5	\$2,700	
Wood	5%	0-2	\$8,400	2043	**	5	\$3,000	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Porch Entablature, Railings And Columns, Facade Fascia Boards</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Porch Entablature, Railings And Columns</i>								
Windows								
Wood	100%			2046	**	5	\$30,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Facades</i>								
<i>Explanation : Vinyl-clad Wood Windows</i>								
Roof								
Asphalt Shingle	90%	4+	\$3,300	2039	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Chimney Flashing</i>								
Roll Roofing	10%			2029		5	\$2,100	
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	**	5	\$11,400	
Ceramic Tile	8%			2039	**	5	\$1,400	
Vinyl Tile	2%			2035	**	3	\$100	
Wood	60%			2058	**	5	\$19,500	
Interior Walls								
Cast in Place Concrete	10%			LIFE	**			
Ceramic Tile	5%			2043	**	5	\$800	
Gypsum Board	25%			LIFE	**	5	\$2,500	
Masonry: Brick	18%			LIFE	**			
Granite Panels	25%			LIFE	**			
Plaster	15%	Now	\$3,200	LIFE	**	5	\$700	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Kitchen, Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 3rd Floor And Down The Chimney Chase Walls</i>								
Wood	2%			LIFE	**	5	\$1,300	
Ceilings								
AcousTileSusp.Lay-In	6%			2043	**	5	\$1,000	
Embossed Metal	25%			LIFE	**	5	\$1,900	
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout 1st Floor</i>								
Gypsum Board	29%			LIFE	**	5	\$6,200	
Plaster	40%	Now	\$4,500	LIFE	**	5	\$4,300	
<i>Water Penetration, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Water Damage In 1st Floor Office And Third Floor By Chimney Chase Walls</i>								
Site Pavements								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 402 A AND B FIRE MARSHALS
Asset # : 13770

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

On-Site Walkways

Cast in Place Concrete	40%	Now	\$2,600	2043	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Walkways And Stair Step</i>								
Wood	60%	0-2	\$4,500	2028	\$90,700	1-3	\$3,900	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Porch Floor</i>								
<i>Explanation : Deteriorated Finish</i>								

Parking/Driveway

Cast in Place Concrete	100%	0-2	\$33,200	2043	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2050	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two Main Service Disconnect Switches Rated At 100 Amperes Each.</i>								

Raceway

Conduit	65%			2040	**	1		
Conduit	35%			2050	**	1		

Panelboards

Molded Case Bkrs	100%			2046	**	5	\$300	
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Wiring

Thermoplastic	65%			2040	**	1		
Thermoplastic	35%			2050	**	1		

Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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Lighting

Interior Lighting

Fluorescent	100%			2030	\$91,400	10	\$11,000	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								

Egress Lighting

Emergency, Battery	50%			2030	\$10,800	10	\$1,500	
Exit, Service	50%			2030	\$2,200	1		

Exterior Lighting

HID	20%			2035	**	10		
No Component	80%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 402 A AND B FIRE MARSHALS
Asset # : 13770

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Fuel Oil No 2	100%			2056	**	5	\$3,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : A And B Side Basement</i>								
<i>Explanation : 2 Tanks Each Side</i>								
Conversion Equipment								
Steam Boiler	100%			2047	**	1	\$11,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : A And B Side Basement</i>								
<i>Explanation : 1 Boiler On Each Side</i>								
Distribution								
Steam Piping/Pump	100%			2040	**			
Terminal Devices								
Convactor/Radiator	100%			2035	**	1	\$3,900	
Air Conditioning								
Energy Source								
Electricity	100%			2038	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2025	\$48,900	1		
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	**	1		
Water Heater With Tanks								
Electric	100%			2025	\$25,300	4		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : A And B Side Basement</i>								
<i>Explanation : 1 Unit For Each Side</i>								
Sanitary Piping								
Cast Iron	100%	0-2	\$3,300	LIFE	**	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : B Side 2nd Floor Bathrooms</i>								
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FORT TOTTEN - BLDG.# 409 A AND B EMS ADMIN, RESEARCH AND DEVELOP.
Address : 409 SHORE ROAD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.409 / 13774 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 13,728 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-Sep-2018 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$55,700	
Mechanical	\$55,700	
Total	\$111,400	
Importance Code A	\$55,700	
Importance Code B	\$55,700	
Total	\$111,400	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$4,700		\$50,800	
Interior Architecture	\$95,800		\$8,000	\$100
Electrical	\$500	\$28,800	\$500	\$400
Mechanical	\$3,000	\$1,800	\$4,600	\$1,800
Site Enclosure	\$100			
Total	\$104,100	\$30,700	\$63,800	\$2,300
Importance Code A	\$7,300	\$1,400	\$52,100	\$1,400
Importance Code B	\$75,200	\$29,300	\$11,700	\$900
Importance Code C	\$21,700			
Total	\$104,100	\$30,700	\$63,800	\$2,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 409 A AND B EMS ADMIN, RESEARCH AND DEVELOP.
Asset # : 13774

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%			LIFE	**	5	\$20,200	
Masonry: Granite	10%			LIFE	**	5	\$2,000	
Wood	15%	Now	\$4,700	2035	**	5	\$10,100	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : Wood Screen At Rear Porch 409b</i>								
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Porch Cornice Entablature And Columns</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Porches And Eave Located At Rear Facade</i>								
Windows								
Wood	100%			2046	**	5	\$80,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 1%</i>								
<i>Location : B Section Kitchen 1st Floor</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Facades</i>								
<i>Explanation : Vinyl-clad Wood Windows</i>								
Roof								
Roll Roofing	10%			2026	\$9,600	5	\$2,300	
Slate	90%	Now	\$55,700	LIFE	**			1
<i>Water Penetration, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Main Roof At 3rd Floor</i>								
Interior								
Floors								
Carpet	2%			2026	\$7,800	3	\$600	
Cast in Place Concrete	5%			LIFE	**	5	\$2,200	
Mosaic Tile	2%			2043	**	5	\$1,000	
Vinyl Tile	2%			2030	\$12,200	3	\$200	
Wood	89%	Now	\$23,400	2045	**	5	\$17,100	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : First Floor</i>								
Interior Walls								
Ceramic Tile	2%	Now	\$1,100	2039	**	5	\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second Floor Bathroom</i>								
Concrete Masonry Unit	2%			LIFE	**	5	\$400	
Masonry: Brick	10%			LIFE	**			
Plaster	86%	Now	\$20,400	LIFE	**	5	\$11,800	
<i>Horizontal Cracks, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 1%</i>								
<i>Location : 2nd Floor Office</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 409 A AND B EMS ADMIN, RESEARCH AND DEVELOP.
Asset # : 13774

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Ceilings								
Embossed Metal	30%	4+	\$4,000	LIFE	**	5	\$2,800	
<i>Paint Peeling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor Offices</i>								
Plaster	70%	Now	\$46,800	LIFE	**	5	\$9,000	
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : 2nd And 3rd Floor, Various Spaces</i>								
Site Enclosure								
Fence/Gates								
Wood	100%	Now	\$100	2028	\$6,700			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Porch Balustrade Of B Section</i>								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2035	**			
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2050	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 100 Ampere Main Disconnect Switches For Section A And B</i>								
Raceway								
Conduit	20%			2050	**	1		
Conduit	80%			2030	\$22,100	1		
Panelboards								
Fused Disc Sw	5%			2029	\$2,100	5		
Molded Case Bkrs	65%			2029	\$27,800	5	\$200	
Molded Case Bkrs	30%			2046	**	5	\$100	
Wiring								
Thermoplastic	20%			2050	**	1		
Thermoplastic	80%			2030	\$24,600	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2043	**	1	\$4,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Using Portable Generator Only</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 409 A AND B EMS ADMIN, RESEARCH AND DEVELOP.
Asset # : 13774

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	96%			2035	**	10	\$12,100	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Incandescent	4%			2025	\$16,300	2		
Exterior Lighting								
Incandescent	30%			2035	**	2		
No Component	70%							
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Fuel Oil No 2	100%			2056	**	5	\$4,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 275 Gallon Tanks For Both A And B Side</i>								
Conversion Equipment Steam Boiler	100%	0-2	\$2,600	2043	**	1	\$12,200	
<i>Malfunctioning, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : A Side Boiler Water Auto Feeding</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units. A And B Sides Have Separate Boiler.</i>								
Distribution Steam Piping/Pump	100%			2040	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : A And B Sides Have Independent Systems</i>								
Terminal Devices Convactor/Radiator	100%			2035	**	1	\$4,400	
Air Conditioning								
Energy Source Electricity	100%			2038	**	1		
Conversion Equipment Window/Wall Unit	100%			2025	\$55,700	1		
Plumbing								
H/C Water Piping Brass/Copper	100%			2040	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : A And B Sides Have Separate Systems Including Service</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 409 A AND B EMS ADMIN, RESEARCH AND DEVELOP.
Asset # : 13774

Mechanical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Water Heater With Tanks Electric	50%			2028	\$12,700	4		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : A Side Basement</i>							
	<i>Explanation : 1 Unit</i>							
No Component	50%							
HW Heat Exchanger Steam Fired	100%			2050	**	4	\$1,400	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : B Side Basement</i>							
	<i>Explanation : Domestic Coil In Steam Boiler For B Side</i>							
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Fixtures Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FORT TOTTEN - BLDG.# 411 A AND B TERRORISM CENTER
Address : 411 SHORE ROAD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.411 / 13775 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 13,728 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-Sep-2018 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture	\$110,600	
Mechanical	\$55,700	\$60,200
Site Pavements		\$353,400
Total	\$166,300	\$413,500
Importance Code B	\$109,300	\$60,200
Importance Code C	\$57,100	\$353,400
Total	\$166,300	\$413,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$10,200		\$45,400	
Interior Architecture	\$24,300			\$100
Electrical	\$3,800	\$37,500	\$1,100	\$1,000
Mechanical	\$5,000	\$1,800	\$3,900	\$1,800
Site Pavements	\$15,900	\$3,900	\$500	\$500
Total	\$59,200	\$43,200	\$51,000	\$3,400
Importance Code A	\$14,100	\$1,400	\$46,700	\$1,400
Importance Code B	\$28,100	\$37,900	\$3,700	\$1,500
Importance Code C	\$17,000	\$3,900	\$500	\$500
Total	\$59,200	\$43,200	\$51,000	\$3,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 411 A AND B TERRORISM CENTER
Asset # : 13775

Architecture		Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Exterior									
Exterior Walls									
Masonry: Brick	80%			LIFE	**	5	\$21,600		
Masonry: Granite	10%			LIFE	**	5	\$2,000		
Wood	10%	2-4	\$6,300	2043	**	5	\$6,700		
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Wood Columns</i>									
<i>Split/Cracked, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Wood Columns At Front Entrance</i>									
Windows									
Wood	100%			2046	**	5	\$80,000		
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : 3rd Floor Front Office A Unit</i>									
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : All Facades</i>									
<i>Explanation : Vinyl-clad Wood Windows</i>									
Roof									
Roll Roofing	5%			2026	\$4,800	5	\$1,200		
Slate	95%	Now	\$3,900	LIFE	**				
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>									
<i>Location : Throughout</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>									
<i>Location : Main Roof At 3rd Floor</i>									
Soffits									
Wood	100%			2043	**	5			
Interior									
Floors									
Cast in Place Concrete	7%			LIFE	**	5	\$3,100		
Mosaic Tile	2%			2043	**	5	\$1,000		
Vinyl Tile	5%	4+	\$600	2035	**	3	\$400		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 1%</i>									
<i>Location : 1st Floor Corridor</i>									
Wood	86%	2-4	\$22,600	2045	**	5	\$16,600		
<i>Dry Rot/Decay, Extent : Light, Area Affected : 2%</i>									
<i>Location : Basement Stair Has Termite Damage</i>									
<i>Worn/Eroded, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : 3rd Floor</i>									
Interior Walls									
Ceramic Tile	2%	Now	\$1,100	2039	**	5	\$500		
<i>Broken/Missing Elements, Extent : Light, Area Affected : 2%</i>									
<i>Location : Second Floor Bathroom</i>									
Masonry: Brick	2%			LIFE	**				
Plaster	96%	Now	\$57,100	LIFE	**	5	\$13,100		
<i>Deteriorated Finish, Extent : Severe, Area Affected : 30%</i>									
<i>Location : Throughout</i>									
<i>Water Penetration, Extent : Light, Area Affected : 15%</i>									
<i>Location : Basement Washroom, 3rd Floor Bathroom</i>									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 411 A AND B TERRORISM CENTER
Asset # : 13775

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

Embossed Metal	20%			LIFE	**	5	\$1,800	
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Paint Peeling, Extent : Light, Area Affected : 10%
Location : 1st Floor, Throughout

Plaster	80%	Now	\$53,500	LIFE	**	5	\$10,300	
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Spalling, Extent : Moderate, Area Affected : 30%
Location : Basement And Throughout, Locker Rooms
Water Penetration, Extent : Light, Area Affected : 15%
Location : 2nd Floor Bathroom, 3rd Floor Office By Chimney Chase

Site Pavements

On-Site Walkways

Cast in Place Concrete	50%	0-2	\$15,400	2043	**			
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Cracking/Crumbling, Extent : Moderate, Area Affected : 50%
Location : Front Entrance Walkway

Wood	50%			2028	\$353,400	1-3	\$15,600	
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2050	**	5	\$100	
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Other Observation, Extent : Light, Area Affected : 100%
Location : Basement

Explanation : Two 100 Ampere Main Disconnect Switches For Section A and B

Raceway

Conduit	20%			2050	**	1		
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Conduit	80%			2030	\$3,800	1		
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Panelboards

Fused Disc Sw	5%			2029	\$500	5		
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Molded Case Bkrs	95%			2046	**	5	\$300	
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Wiring

Thermoplastic	30%			2050	**	1		
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Thermoplastic	70%			2030	\$6,800	1		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200	
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Stand-by Power

Transfer Switches

Automatic	100%			2043	**	1	\$4,200	
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Generators

Diesel	100%			2039	**	1	\$5,300	
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Other Observation, Extent : Light, Area Affected : 100%
Location : Outside

Explanation : One 125 Kilowatt

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 411 A AND B TERRORISM CENTER
Asset # : 13775

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Batteries								
Lead/Acid	100%			2024	\$2,600	5	\$500	
Fuel Storage								
Main Tank	100%			2058	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Outside</i>								
<i>Explanation : One 250 Gallon Belly Tank</i>								
Lighting								
Interior Lighting								
Fluorescent	90%			2035	**	10	\$11,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Incandescent	10%			2025	\$9,400	2		
Egress Lighting								
Emergency, Service	60%			2035	**	1		
No Component	40%							
Exterior Lighting								
HID	10%			2035	**	10		
Incandescent	20%			2025	\$15,800	2		
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil No 2	100%			2056	**	5	\$4,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 275 Gallon Tanks For Both Sides A And B</i>								
Conversion Equipment								
Steam Boiler	50%			2043	**	1	\$6,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : A Side Basement</i>								
<i>Explanation : 1 Unit Serves A Side</i>								
Steam Boiler	50%	0-2	\$3,200	2035	**	1	\$6,100	
<i>Malfunctioning, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Auto Water Feeding</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : B Side Basement</i>								
<i>Explanation : 1 Unit Serves B Side</i>								
Distribution								
Steam Piping/Pump	100%			2040	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 411 A AND B TERRORISM CENTER
Asset # : 13775

Mechanical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convactor/Radiator	50%			2035	**	1	\$2,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : A Side</i>								
<i>Explanation : Units In A Side</i>								
Convactor/Radiator	50%			2028	\$60,200	1	\$2,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : B Side</i>								
<i>Explanation : Units In B Side</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2038	**	1		
Conversion Equipment								
Window/Wall Unit	100%			2025	\$55,700	1		
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : A And B Sides Have Separate Systems Including Service</i>								
HW Heat Exchanger								
Steam Fired	100%			2040	**	4	\$2,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Domestic Coil In Steam Boiler / No Storage / Both A And B Sides</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							
<i>Leaking Connections, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : The Sink In Restroom Of A Side 3rd Floor</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FORT TOTTEN - BLDG.# 413 A AND B COUNSELING UNIT
Address : 413 SHORE ROAD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.413 / 13776 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 13,728 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Sep-2018 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$62,600	
Mechanical	\$55,700	\$238,200
Site Pavements		\$424,000
Total	\$118,300	\$662,200
Importance Code A	\$62,600	
Importance Code B	\$55,700	\$238,200
Importance Code C		\$424,000
Total	\$118,300	\$662,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture				\$40,000
Interior Architecture	\$113,700			\$100
Electrical	\$3,300	\$25,500	\$600	\$400
Mechanical	\$2,100	\$16,600	\$1,800	\$1,800
Site Pavements	\$700	\$700	\$4,700	\$700
Total	\$119,800	\$42,800	\$7,100	\$43,000
Importance Code A	\$1,400	\$1,400	\$1,400	\$41,400
Importance Code B	\$50,300	\$40,800	\$1,000	\$1,000
Importance Code C	\$68,200	\$700	\$4,700	\$700
Total	\$119,800	\$42,800	\$7,100	\$43,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 413 A AND B COUNSELING UNIT
Asset # : 13776

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	70%			LIFE	**	5	\$18,900	
Masonry: Granite	20%			LIFE	**	5	\$4,000	
Wood	10%	Now	\$62,600	2043	**	5	\$6,700	
<i>Recent Repair Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Porch Entablature, Columns, Railings Fascia Board</i>								
Windows								
Wood	100%			2052	**	5	\$80,000	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : All Facades</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Facades</i>								
<i>Explanation : Vinyl-clad Wood Windows</i>								
Roof								
Modified Bitumen	30%			2038	**	10	\$4,100	
Slate	70%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Roof</i>								
<i>Explanation : Synthetic Slate Roof</i>								
Soffits								
Wood	100%			2043	**	5		
Interior								
Floors								
Cast in Place Concrete	10%	0-2	\$3,700	LIFE	**	5	\$4,500	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement</i>								
Ceramic Tile	5%	Now	\$6,200	2039	**	5	\$500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Bathrooms</i>								
Vinyl Tile	5%	Now	\$6,100	2035	**	3	\$400	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Kitchen Area And Throughout</i>								
Wood	80%			2058	**	5	\$30,800	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 413 A AND B COUNSELING UNIT
Asset # : 13776

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	2%	2-4	\$2,700	2039	**	5	\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bathrooms</i>								
Masonry: Brick	5%	4+	\$23,300	LIFE	**			
<i>Paint Peeling, Extent : Moderate, Area Affected : 80%</i>								
<i>Location : Basement</i>								
Granite Panels	21%			LIFE	**			
Plaster	70%	Now	\$41,600	LIFE	**	5	\$9,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Various Locations</i>								
Wood	2%			LIFE	**	5	\$3,600	
Ceilings								
Embossed Metal	10%			LIFE	**	5	\$900	
<i>Paint Peeling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor</i>								
Plaster	90%	Now	\$30,100	LIFE	**	5	\$11,500	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement, Bathrooms</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	40%			2035	**			
Wood	60%			2029	\$424,000	1-3	\$18,700	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Entry Porch Floor</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2050	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 100 Amperes For A And B Section And One 200 Amperes For The Portable Generator Disconnect Switch</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 413 A AND B COUNSELING UNIT
Asset # : 13776

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	70%			2030	\$3,300	1		
Conduit	30%			2050	**	1		
Panelboards								
Fused Disc Sw	5%			2046	**	5		
Molded Case Bkrs	95%			2046	**	5	\$300	
Wiring								
Braided Cloth	30%	0-2	\$2,900	2055	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	70%			2050	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2047	**	1	\$4,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : No Permanent Generator Only Portable</i>								
Lighting								
Interior Lighting								
Fluorescent	70%			2035	**	10	\$8,800	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st, 2nd Floor And Basement</i>								
Incandescent	10%			2025	\$9,400	2		
LED	20%			2035	**			
Exterior Lighting								
HID	10%			2025	\$6,900	10		
LED	20%			2038	**			
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil No 2	50%			2040	**	5	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : B Side Basement</i>								
<i>Explanation : 2 Tanks</i>								
Fuel Oil No 2	50%			2050	**	5	\$2,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : A Side Basement</i>								
<i>Explanation : 2 Tanks</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 413 A AND B COUNSELING UNIT
Asset # : 13776

Mechanical	Current Repair		Future Replacement		Maintenance			
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment Steam Boiler	50%			2047	**	1	\$6,800	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : A side Basement</i>							
	<i>Explanation : 1 Unit</i>							
Steam Boiler	50%			2035	**	1	\$6,800	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : B Side Basement</i>							
	<i>Explanation : 1 Unit</i>							
Distribution Steam Piping/Pump	100%			2030			\$117,800	
Terminal Devices Convactor/Radiator	100%			2028		1	\$4,400	
Air Conditioning								
Energy Source Electricity	100%			2038	**	1		
Conversion Equipment Window/Wall Unit	100%			2025		1	\$55,700	
Plumbing								
H/C Water Piping Brass/Copper	100%			2040	**	1		
Water Heater With Tanks Electric	50%			2025		4	\$12,700	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : A Side Basement</i>							
	<i>Explanation : 1 Unit</i>							
No Component	50%							
HW Heat Exchanger Steam Fired	50%			2040	**	4	\$1,000	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : On B Side Basement.</i>							
	<i>Explanation : Domestic Coils In Boilers</i>							
No Component	50%							
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Fixtures Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FORT TOTTEN - BLDG.# 418 A AND B SCUBA SUPPORT/FT TOTTEN OPER.
Address : 418 WEAVER ROAD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.418 / 13778 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 10,935 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Sep-2018 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$525,200	
Site Pavements	\$166,900	\$417,200
Total	\$692,100	\$417,200
Importance Code A	\$525,200	
Importance Code C	\$166,900	\$417,200
Total	\$692,100	\$417,200

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture			\$100	
Interior Architecture	\$51,200			\$200
Electrical	\$300	\$37,600	\$500	\$300
Mechanical	\$2,100	\$45,600	\$3,500	\$1,200
Site Pavements	\$27,200	\$600	\$600	\$4,600
Total	\$80,900	\$83,800	\$4,800	\$6,400
Importance Code A	\$800	\$800	\$900	\$800
Importance Code B	\$49,900	\$82,300	\$3,200	\$900
Importance Code C	\$30,200	\$600	\$600	\$4,600
Total	\$80,900	\$83,800	\$4,800	\$6,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 418 A AND B SCUBA SUPPORT/FT TOTTEN OPER.
Asset # : 13778

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%			LIFE	**	5	\$14,200	
Granite Panels	10%			LIFE	**	5	\$1,400	
Wood	15%	Now	\$65,700	2035	**	5	\$7,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Porch</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Wood Columns, Wood Fascia, Wood Siding, Porch Entablature And Balustrade</i>								
<i>Split/Cracked, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Wood Columns, Porch Balustrade</i>								
<hr/>								
Windows								
Aluminum	10%			2046	**	5	\$200	
Wood	90%	Now	\$52,200	2055	**	5	\$10,100	
<i>Air Infiltration, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor Bathroom</i>								
<i>Thermally Inefficient, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 2nd Floor Scuba Office</i>								
<hr/>								
Roof								
Modified Bitumen	35%	Now	\$53,700	2040	**			
<i>Alligatoring, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Porch Roofs, Throughout</i>								
<i>Miss/Damaged Flashings, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Porch Roofs, Throughout</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Porch Roofs, Throughout</i>								
Slate	65%	Now	\$50,800	LIFE	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : 3rd Floor And 2nd Floor Ceiling A Section Office Space</i>								
<hr/>								
Soffits								
Wood	100%	Now	\$302,800	2050	**	5	\$32,200	
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Exterior Porch Ceiling</i>								
<hr/>								
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 418 A AND B SCUBA SUPPORT/FT TOTTEN OPER.
Asset # : 13778

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	10%	Now	\$2,800	LIFE	**	5	\$3,400	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Ceramic Tile	5%	Now	\$2,300	2039	**	5	\$400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Bathrooms.</i>								
Vinyl Tile	10%	4+	\$900	2030	\$46,000	3	\$600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor Kitchen On B Side, 3rd Floor Attic</i>								
Wood	45%	Now	\$22,400	2058	**	5	\$6,600	
<i>Deteriorated Finish, Extent : Severe, Area Affected : 100%</i>								
<i>Location : 1st Floor, B Side, Throughout.</i>								
Wood	30%			2058	**	5	\$8,700	
Interior Walls								
Ceramic Tile	5%	Now	\$400	2039	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Bathrooms.</i>								
Masonry: Brick	10%			LIFE	**			
Granite Panels	5%			LIFE	**			
Plaster	75%	Now	\$2,600	LIFE	**	5	\$1,500	
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout.</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout.</i>								
Wood	5%			LIFE	**	5	\$1,300	
Ceilings								
AcousTileSusp.Lay-In	2%			2043	**	5	\$300	
Embossed Metal	20%			LIFE	**	5	\$1,400	
<i>Paint Peeling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor, Throughout</i>								
Plaster	78%	Now	\$19,800	LIFE	**	5	\$7,600	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Basement A Section</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor Corridor; 2nd Floor Section A Office Space</i>								
<i>Water Penetration, Extent : Light, Area Affected : 3%</i>								
<i>Location : 1st Floor Bathroom</i>								
Site Pavements								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 418 A AND B SCUBA SUPPORT/FT TOTTEN OPER.
Asset # : 13778

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

On-Site Walkways

Cast in Place Concrete	60%	0-2	\$27,200	2043		**		
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*Broken/Missing Elements, Extent : Severe, Area Affected : 15%**Location : Front And Side Walkways**Cracking/Crumbling, Extent : Severe, Area Affected : 20%**Location : Front And Side Walkways*

Wood	40%	Now	\$166,900	2030	\$417,200	1-3	\$17,800	
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*Rotting/Splitting, Extent : Severe, Area Affected : 100%**Location : Porch Floor*

Parking/Driveway

Asphalt	100%			2033				
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Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	70%			2050		**	5	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Two 100 Ampere Disconnect Switches For A and B Section*

Fused Disc Sw	30%			2060		**	5	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 200 Ampere Main Disconnect Switch For Generator*

Raceway

Conduit	50%			2030	\$2,400		1	
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Conduit	40%			2050	**		1	
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Conduit	10%			2060	**		1	
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Panelboards

Fused Disc Sw	5%			2046	**		5	
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Molded Case Bkrs	95%			2046	**		5	\$300
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Wiring

Thermoplastic	60%			2050	**		1	
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Thermoplastic	30%			2030	\$2,900		1	
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Thermoplastic	10%			2060	**		1	
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Ground

Grounding Devices

Generic	100%			LIFE	**		5	\$200
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Stand-by Power

Transfer Switches

Automatic	100%			2050	**		1	\$3,400
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Only Portable Generator*

Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 418 A AND B SCUBA SUPPORT/FT TOTTEN OPER.
Asset # : 13778

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Interior Lighting
Fluorescent

75%
2035 * * 10 \$7,500
Other Observation, Extent : Light, Area Affected : 100%
Location : Throughout The Building
Explanation : T-8 Lamps

Incandescent 25% 2025 \$18,700 2 \$100

Exterior Lighting

HID 20% 2025 \$10,900 10

LED 10% 2040 * *

No Component 70%

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Fuel Oil No 2 100% 2056 * * 5 \$3,400
Other Observation, Extent : Light, Area Affected : 100%
Location : A And B Side. Basement
Explanation : 2 Tanks Each Side

Conversion Equipment

Hot Water Boiler 50% 2043 * * 1 \$2,700
Other Observation, Extent : Light, Area Affected : 100%
Location : A Side Basement
Explanation : 1 Unit

Steam Boiler 50% 2047 * * 1 \$5,400
Other Observation, Extent : Light, Area Affected : 100%
Location : B Side Basement
Explanation : 1 Unit

Distribution

Hot Wtr Piping/Pump 50% 2038 * * 4 \$300
 Steam Piping/Pump 50% 0-2 \$900 2040 * *
Other Observation, Extent : Moderate, Area Affected : 30%
Location : B Side 2nd Floor
Explanation : B Side 2nd Floor Is Too Cold

Terminal Devices

Convactor/Radiator 100% 2035 * * 1 \$3,500

Air Conditioning

Energy Source

Electricity 100% 2038 * * 1

Conversion Equipment

Window/Wall Unit 100% 2025 \$44,400 1

Plumbing

H/C Water Piping

Brass/Copper 100% 2040 * * 1

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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 418 A AND B SCUBA SUPPORT/FT TOTTEN OPER.
Asset # : 13778

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	HW Heat Exchanger Steam Fired	100%		2050		**	4	\$1,100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Domestic Hot Water Coil In Boiler</i>								
	Sanitary Piping Cast Iron	100%		LIFE		**	1	
	Fixtures Generic	100%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FORT TOTTEN - BLDG.# 420 A AND B FIRE BOROUGH CMD/EMS BOROUGH CMD
Address : 420 WEAVER ROAD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.420 / 13779 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 10,935 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Sep-2018 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$58,000	
Interior Architecture	\$298,200	
Site Pavements	\$304,800	\$625,900
Total	\$661,000	\$625,900
Importance Code A	\$58,000	
Importance Code B	\$298,200	
Importance Code C	\$304,800	\$625,900
Total	\$661,000	\$625,900

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$43,800		\$30,600	
Interior Architecture	\$27,000	\$3,600		\$200
Electrical		\$16,400		\$100
Mechanical	\$1,400	\$71,200	\$3,100	\$1,400
Site Pavements	\$56,900	\$1,000	\$1,000	\$7,000
Total	\$129,200	\$92,200	\$34,800	\$8,700
Importance Code A	\$44,900	\$1,100	\$31,700	\$1,100
Importance Code B	\$26,800	\$90,200	\$2,100	\$700
Importance Code C	\$57,500	\$1,000	\$1,000	\$7,000
Total	\$129,200	\$92,200	\$34,800	\$8,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 420 A AND B FIRE BOROUGH CMD/EMS BOROUGH CMD
Asset # : 13779

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	75%			LIFE	**	5	\$14,200	
Granite Panels	15%			LIFE	**	5	\$2,100	
Wood	10%	Now	\$43,800	2043	**	5	\$4,700	
<i>Paint Peeling, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Siding And Soffits</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Siding And Fascia</i>								
Windows								
Wood	100%	Now	\$58,000	2055	**	5	\$11,200	
<i>Air Infiltration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout.</i>								
<i>Thermally Inefficient, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement Windows A Section</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Roof								
Asphalt Shingle	70%			2039	**	10	\$1,500	
Roll Roofing	30%			2026		5	\$6,500	
Soffits								
Wood	100%			2035	**	5		
Interior								
Floors								
Cast in Place Concrete	10%			LIFE	**	5	\$3,400	
Ceramic Tile	5%			2033		5	\$800	
Vinyl Tile	8%	Now	\$3,700	2035	**	3	\$500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement Storage</i>								
Vinyl Tile	2%			2038	**	3	\$100	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Laundry Room</i>								
Wood	50%	Now	\$298,200	2070	**	5	\$7,300	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : B Side, 3rd Floor Attic</i>								
<i>Dry Rot/Decay, Extent : Severe, Area Affected : 80%</i>								
<i>Location : 3rd Floor Attic</i>								
Wood	25%			2045	**	5	\$7,300	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057

FORT TOTTEN - BLDG.# 420 A AND B FIRE BOROUGH CMD/EMS BOROUGH CMD

Asset #: 13779

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%			2039	**	5	\$300	
Masonry: Brick	25%			LIFE	**			
Granite Panels	5%			LIFE	**			
Plaster	55%			LIFE	**	5	\$1,100	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Stairs, Offices, Halls</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Stairwell</i>								
Wood	10%	Now	\$400	LIFE	**	5	\$2,700	
<i>Worn/Eroded, Extent : Light, Area Affected : 5%</i>								
<i>Location : Attic Bedroom</i>								
Ceilings								
Embossed Metal	10%	4+	\$2,500	LIFE	**	5	\$700	
<i>Paint Peeling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Throughout Embossed Ceiling</i>								
Plaster	80%	4+	\$20,300	LIFE	**	5	\$7,800	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Copy Room On 2nd Floor</i>								
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Various Locations</i>								
Wood	10%			LIFE	**	5	\$13,600	
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	40%	Now	\$54,500	2050	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Throughout</i>								
Wood	60%	Now	\$250,400	2030	\$625,900	1-3	\$26,700	
<i>Rotting/Splitting, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Porch Floor And Steps</i>								
Parking/Driveway								
Asphalt	90%	Now	\$49,400	2045	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Parking Area</i>								
Cast in Place Concrete	10%	Now	\$7,500	2050	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Parking Area</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057

FORT TOTTEN - BLDG.# 420 A AND B FIRE BOROUGH CMD/EMS BOROUGH CMD

Asset # : 13779

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2056	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 100 Ampere Main Disconnect Switches</i>								
Raceway								
Conduit	50%			2030	\$2,400	1		
Conduit	50%			2056	**	1		
Panelboards								
Fused Disc Sw	5%			2052	**	5		
Molded Case Bkrs	95%			2052	**	5	\$300	
Wiring								
Thermoplastic	30%			2030	\$2,900	1		
Thermoplastic	70%			2056	**	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Batteries								
Not Accessible	100%							
Lighting								
Interior Lighting								
Fluorescent	100%			2038	**	10	\$10,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Egress Lighting								
Emergency, Battery	50%			2038	**	10	\$1,300	
Exit, Service	50%			2038	**	1		
Exterior Lighting								
HID	30%			2025	\$16,400	10		
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Fuel Oil No 2	100%			2056	**	5	\$3,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : A And B Sides Each Has 2 Tanks</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 420 A AND B FIRE BOROUGH CMD/EMS BOROUGH CMD
Asset # : 13779

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Heating								
	Conversion Equipment Steam Boiler	100%			2043	* *	1	\$10,800
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Each A And B Side Has 1 Unit</i>								
	Distribution Steam Piping/Pump	100%			2040	* *		
	Terminal Devices Convactor/Radiator	100%			2035	* *	1	\$3,500
Air Conditioning								
	Energy Source Electricity	100%			2038	* *	1	
	Conversion Equipment Window/Wall Unit	100%			2025	\$44,400	1	
Plumbing								
	H/C Water Piping Brass/Copper	100%			2040	* *	1	
	Water Heater With Tanks Electric	100%			2025	\$25,300	4	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 2 Units. 1 In Each Side.</i>								
	Sanitary Piping Cast Iron	100%			LIFE	* *	1	
	Fixtures Generic	100%						

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT
 Address : 247-253 LAFAYETTE STREET
 Borough : MANHATTAN Agency's Number : N/A
 Program / Asset # : FIRSLAD.020 / 13218 Yr Built/Renovated : 1965 /
 Area Sq Ft : 28,866 Project Type : FIRE DEPARTMENT
 Date of Survey : 24-Jun-2020 Landmark Status : NONE
 Areas Surveyed : Basement, Roof, Floors 1,2,3,4
 Block : 495 Lot : 7 BIN : 1007523

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Electrical	\$128,900	\$127,000
Mechanical		\$496,700
Total	\$128,900	\$623,700
Importance Code A		\$63,500
Importance Code B	\$128,900	\$560,200
Total	\$128,900	\$623,700

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$70,200		\$26,200	
Interior Architecture	\$82,900	\$1,100	\$9,500	\$5,100
Electrical	\$15,200	\$2,300	\$44,300	\$2,100
Mechanical	\$10,300	\$4,200	\$52,100	\$4,400
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$182,500	\$11,600	\$136,000	\$15,500
Importance Code A	\$71,600	\$1,400	\$28,000	\$1,400
Importance Code B	\$87,200	\$10,100	\$108,000	\$14,100
Importance Code C	\$23,700			
Total	\$182,500	\$11,600	\$136,000	\$15,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT
Asset # : 13218

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	3%	Now	\$3,400	LIFE	**	5	\$1,500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Above Overhead Doors</i>								
<i>Exposed Reinforcement, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Street Facade At Underside Of Concrete Band Course</i>								
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Street Facade</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Above Overhead Doors</i>								
Masonry: Brick	87%	Now	\$34,000	LIFE	**	5	\$8,400	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : South West Corner, 3rd Story Street Facade</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Bulkheads</i>								
Metal Sect. OHD	10%			2044	**	5	\$3,000	
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Aparatus Door</i>								
<i>Explanation : Air Infiltration</i>								
Windows								
Aluminum	95%	Now	\$28,200	2056	**	5	\$300	1
<i>Air Infiltration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Various Windows Throughout</i>								
Steel	5%	Now	\$1,400	2056	**	5	\$200	1
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Stairs</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Stairwells</i>								
Parapets								
Masonry: Brick	95%			LIFE	**	5	\$1,400	
Pre-Cast Concrete	5%	Now	\$1,700	LIFE	**	5	\$500	
<i>Caulking Deteriorated, Extent : Light, Area Affected : 20%</i>								
<i>Location : Coping Joints</i>								
Roof								
Modified Bitumen	100%			2036	**	10	\$26,200	
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT
Asset # : 13218

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Carpet	10%			2030	\$74,600	3	\$8,600	
Cast in Place Concrete	25%	Now	\$17,900	LIFE	**	5	\$23,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Ladder Apparatus Floor</i>								
<i>Uneven Surface, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%			2040	**	5	\$2,200	
Terrazzo	2%			LIFE	**	5	\$700	
Vinyl Tile	10%	4+	\$5,800	2036	**	3	\$1,600	
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Third And Fourth Floor Counselors Offices</i>								
Vinyl Tile	45%			2036	**	3	\$9,700	
Wood	3%			2059	**	5	\$2,400	
Interior Walls								
Ceramic Tile	2%	0-2	\$12,800	2044	**	5	\$600	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Toilet Rooms</i>								
<i>Explanation : Patching Evident</i>								
Concrete Masonry Unit	10%	Now	\$10,900	LIFE	**	5	\$2,400	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Parking Garage</i>								
<i>Vertical Cracks, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Cellar, Stairwells</i>								
Gypsum Board	20%			LIFE	**	5	\$7,100	
Plaster	48%			LIFE	**	5	\$8,600	
SGFT/Glazed Masonry	20%			LIFE	**			
Ceilings								
AcousTileConcealSpLn	35%			2036	**	5	\$18,900	
AcousTileSusp.Lay-In	20%			2044	**	5	\$8,600	
Exposed Struc: Concrete	20%	Now	\$25,300	LIFE	**	5	\$1,400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Stair 3 At Cellar</i>								
Gypsum Board	25%			LIFE	**	5	\$13,500	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2051	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			
On-Site Walkways								
Cast in Place Concrete	100%			2044	**			
Parking/Driveway								
Asphalt	100%			2040	**			

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FIRE DEPARTMENT - 057
LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT
Asset # : 13218

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2031	\$63,500	5	\$800	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Electrical Room Basement</i>						
		<i>Explanation : One 400 Ampere Main Disconnect Switch</i>						
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	\$63,500	5	\$800	
Raceway								
Conduit	90%			2031	\$32,400	1		
Conduit	10%			2051	**	1		
Panelboards								
Fused Disc Sw	5%			2047	**	5		
Molded Case Bkrs	75%			2030	\$36,400	5	\$600	
Molded Case Bkrs	20%			2047	**	5	\$200	
Wiring								
Thermoplastic	20%			2051	**	1		
Thermoplastic	80%			2031	\$26,000	1		
Motor Controllers								
Locally Mounted	100%			2029	\$17,800	5	\$200	
Ground								
Grounding Devices								
Generic	100%	0-2	\$10,200	LIFE	**	5	\$400	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Water Main Basement</i>						
		<i>Explanation : Corroded</i>						
Stand-by Power								
Transfer Switches								
Automatic	100%			2029	\$12,900	1	\$8,900	
Generators								
Diesel	100%			2027	\$99,500	1	\$11,200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Generator Room Basement</i>						
		<i>Explanation : One 30 Kilowatts</i>						
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$1,100	
Fuel Storage								
Day Tank	50%			2030	\$12,500	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Generator Room</i>						
		<i>Explanation : One 10 Gallons Rated Capacity</i>						
Main Tank	50%			2034	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 275 Gallons Rated Capacity</i>						
Lighting								

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FIRE DEPARTMENT - 057
LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT
Asset # : 13218

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting								
Fluorescent	2%			2026	\$4,900	10	\$500	
		<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
Fluorescent	10%			2026	\$24,500	10	\$2,600	
		<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Hallway 3rd Floor</i>						
Fluorescent	58%			2036	**	10	\$15,400	
		<i>T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : 2nd Floor</i>						
LED	30%			2036	**			
Egress Lighting								
Emergency, Service	50%			2036	**	1		
Exit, Service	50%			2036	**	1		
Exterior Lighting								
Fluorescent	20%			2026	\$22,500	10	\$500	
		<i>Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2041	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2036	**	1	\$14,300	
		<i>Other Observation, Extent : Light, Area Affected : 85%</i>						
		<i>Location : Basement Boiler Room</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Hot Wtr Piping/Pump	85%	0-2	\$2,600	2039	**	4	\$1,200	
		<i>Corroded, Extent : Moderate, Area Affected : 5%</i>						
		<i>Location : Basement. Corroded Header Piping</i>						
		<i>Leak Evident, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement. Circulating Pump Laking</i>						
Hot Wtr Piping/Pump	15%			2047	**	4	\$200	
		<i>Recent Replace Evident, Extent : N/A, Area Affected : 15%</i>						
		<i>Location : 2nd Floor Division 1</i>						

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FIRE DEPARTMENT - 057
LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT
Asset # : 13218

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Terminal Devices								
Convactor/Radiator	45%			2036	**	1	\$4,200	
Convactor/Radiator	15%			2044	**	1	\$1,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Division 1</i>								
<i>Explanation : Radiators In Good Condition</i>								
Fan Coil Unit/Heat	20%			2031	\$139,800	1	\$1,900	
Unit Heater - Hot Water	20%			2036	**			
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Reciprocating Compr/Chiller	30%			2031	\$124,800	1	\$4,000	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 30%</i>								
<i>Location : Penthouse</i>								
Window/Wall Unit	50%			2029	\$53,400	1		
No Component	20%							
Distribution								
CW & CHW Wtr Pipe/Pump	30%	Now	\$1,100	2041	**	4	\$400	
<i>Insul. Deteriorating, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Mechanical Room On Roof</i>								
No Component	70%							
Terminal Devices								
Fan Coil - 2 Pipe	15%			2036	**	1	\$1,400	
<i>Other Observation, Extent : Light, Area Affected : 15%</i>								
<i>Location : 2nd Floor Division 1</i>								
<i>Explanation : Recent Installation</i>								
Fan Coil - 4 Pipe	15%			2031	\$128,700	1	\$1,400	
No Component	70%							
Heat Rejection								
Evaporative Condenser	15%			2039	**	2	\$3,000	
<i>Recent Installation, Extent : N/A, Area Affected : 15%</i>								
<i>Location : Lower Roof</i>								
Dry Cooler	30%			2026	\$31,100	2	\$6,000	
No Component	55%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$16,100	
Exhaust Fans								
Interior	40%			2031	\$50,000	2	\$400	
Roof	60%	Now	\$700	2031	\$32,800	2	\$400	
<i>Other Observation, Extent : Moderate, Area Affected : 3%</i>								
<i>Location : Lower Roof</i>								
<i>Explanation : 1 Cover Is Missing</i>								

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FIRE DEPARTMENT - 057
LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT
Asset # : 13218

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
H/C Water Piping Brass/Copper	100%			2041	**	1		
Water Heater With Tanks Electric	15%			2030	\$3,500	4		
		<i>Other Observation, Extent : Light, Area Affected : 15%</i>						
		<i>Location : 2nd Floor Division 1</i>						
		<i>Explanation : 1 Unit</i>						
Gas Fired	85%			2026	\$14,200	2		
		<i>Other Observation, Extent : Light, Area Affected : 85%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two 80 Gallon Units</i>						
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Submersible	100%	Now	\$500	2024	\$900	4	\$600	
		<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Basement. Defective Motor And Electrical Defects</i>						
Backflow Preventer Generic	100%			2039	**	1	\$1,800	
Fixtures Generic	100%							
Vertical Transport								
Elevators Geared Traction	100%			LIFE	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement To 4th Floor</i>						
		<i>Explanation : 1 - Unit</i>						
Fire Suppression								
Sprinkler No Component	50%							
Generic	50%			2041	**	1-2	\$4,100	

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : LADDER CO. 25/ENGINE CO. 74/ HOOK 25
Address : 205 W 77th STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSLAD.025 / 13219 **Yr Built/Renovated** : 1901 / 2005
Area Sq Ft : 13,300 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Jul-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1169 **Lot** : 26 **BIN** : 1030885

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture		\$139,300
Interior Architecture	\$58,000	
Mechanical	\$79,700	
Total	\$137,700	\$139,300
Importance Code A		\$139,300
Importance Code B	\$137,700	
Total	\$137,700	\$139,300

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$119,200		\$5,700	
Interior Architecture	\$35,500	\$3,900		
Electrical	\$1,000	\$3,600	\$1,000	\$1,100
Mechanical	\$25,000	\$6,800	\$7,500	\$13,700
Total	\$180,700	\$14,400	\$14,200	\$14,800
Importance Code A	\$119,800	\$700	\$6,300	\$700
Importance Code B	\$25,300	\$10,700	\$7,800	\$14,100
Importance Code C	\$35,500	\$2,900		
Total	\$180,700	\$14,400	\$14,200	\$14,800



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FIRE DEPARTMENT - 057
LADDER CO. 25/ENGINE CO. 74/ HOOK 25
Asset # : 13219

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$15,700	
Masonry: Brick	66%	4+	\$42,600	LIFE	**	5	\$26,500	
<i>Efflorescence, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Interior Of Kitchen Area</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Front Door</i>								
Masonry: Limestone	20%			LIFE	**	5	\$6,000	
Metal Panel	2%			2051	**	5-10	\$5,500	
Metal Sect. OHD	5%			2048	**	5	\$6,300	
Window Wall	2%			2051	**	5	\$3,000	
Windows								
Aluminum	100%	Now	\$19,600	2047	**	5	\$1,100	
<i>Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 20%</i>								
<i>Location : 2nd And 3rd Floor Windows</i>								
Parapets								
Cast Stone/Terra Cotta	20%	Now	\$2,800	LIFE	**	5	\$6,100	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : North West Corner Of Parapet Wall</i>								
Masonry: Brick	45%	Now	\$10,900	LIFE	**	5	\$1,800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : North West Corner Of Parapet Wall</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Wall. Stepped Down Roof Above Kitchen</i>								
Metal Panel	35%			2051	**	5	\$5,300	
Roof								
Modified Bitumen	93%	0-2	\$41,800	2031		\$139,300		
<i>Blisters, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : Various Locations Throughout</i>								
<i>Patching Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Several Locations Along Lap Joints</i>								
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Middle Of Roof</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Roof Skylight</i>								
Skylight, Plastic	2%	4+	\$1,500	2044	**	1		
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor Locker Room</i>								
Sloped Glazing	5%			LIFE	**	5	\$9,400	
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$17,400	
Ceramic Tile	10%			2040	**	5	\$2,000	
Wood	50%	2-4	\$58,000	2059	**	5	\$9,300	
<i>Deteriorated Finish, Extent : Severe, Area Affected : 75%</i>								
<i>Location : All Wood Flooring On 2nd Floor</i>								

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FIRE DEPARTMENT - 057
LADDER CO. 25/ENGINE CO. 74/ HOOK 25
Asset # : 13219

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Ceramic Tile	20%			2040	**	5	\$5,900	
Concrete Masonry Unit	5%			LIFE	**	5	\$600	
Glass: Single Pane	3%			LIFE	**	5	\$700	
Gypsum Board	5%			LIFE	**	5	\$900	
Masonry: Brick	25%	Now	\$27,400	LIFE	**			

Misaligned/Bulging, Extent : Light, Area Affected : 10%

Location : Rear Wall. At Kitchen

Water Penetration, Extent : Severe, Area Affected : 5%

Location : At Sidewalk Vault

Worn/Eroded, Extent : Severe, Area Affected : 5%

Location : At Sidewalk Vault

Plaster	22%			LIFE	**	5	\$1,900	
Wood	20%	4+	\$8,100	LIFE	**	5	\$23,600	

Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 100%

Location : Throughout

Ceilings

Exposed Struc: Steel	30%			LIFE	**			
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Below Apparatus Floor</i>								
<i>Explanation : Material Is Actually Metal Decking</i>								
Metal Panel	20%			LIFE	**	5	\$5,000	
Plaster	50%			LIFE	**	5	\$6,200	

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2044	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2051	**	5	\$100	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : One 600 Amperes.

Switchgear / Switchboard

Fused Disc Sw	100%			2051	**	5	\$100	
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Raceway

Conduit	100%			2051	**	1		
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Panelboards

Fused Disc Sw	5%			2047	**	5		
Molded Case Bkrs	95%			2047	**	5	\$300	

Wiring

Thermoplastic	100%			2051	**	1		
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FIRE DEPARTMENT - 057
LADDER CO. 25/ENGINE CO. 74/ HOOK 25
Asset # : 13219

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2044	**	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	**	1	\$4,100	
Generators								
Diesel	100%			2040	**	1	\$5,200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 80 Kilovolt-ampere</i>						
Batteries								
Lead/Acid	100%			2025	\$2,400	5	\$500	
Fuel Storage								
Day Tank	50%			2047	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 25 Gallons</i>						
Main Tank	50%			2059	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : One 550 Gallons</i>						
Lighting								
Interior Lighting								
LED	100%			2039	**			
Egress Lighting								
Emergency, Service	50%			2039	**	1		
Exit, LED	50%			2066	**	1		
Exterior Lighting								
LED	20%			2039	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2051	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
LADDER CO. 25/ENGINE CO. 74/ HOOK 25
Asset # : 13219

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment Furnace	40%			2036	**	1	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 40%</i>								
<i>Location : Roof</i>								
<i>Explanation : 5 Rooftop Units</i>								
Hot Water Boiler	60%			2044	**	1	\$4,000	
<i>Other Observation, Extent : Light, Area Affected : 60%</i>								
<i>Location : Basement</i>								
<i>Explanation : Hydro Thermostat Multi Temp. 3 Boilers Packaged</i>								
Distribution								
Hot Wtr Piping/Pump	60%			2047	**	4	\$400	
Hot Wtr Piping/Pump	40%	0-2	\$4,500	2047	**	4	\$300	
<i>Controller Not Working, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Defective Thermostat. Unable To Control Heating</i>								
Terminal Devices								
Convactor/Radiator	20%			2044	**	1	\$900	
Convactor/Radiator	10%	0-2	\$500	2044	**	1	\$400	
<i>Leak Evident, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 3rd Floor Radiator Leaking</i>								
Unit Heater - Steam	40%			2036	**	4	\$700	
No Component	30%							
Air Conditioning								
Energy Source								
Electricity	100%			2047	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	100%			2036	**	2	\$800	
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : 5 Units. Roof</i>								
Ventilation								
Distribution								
Ductwork/Diffusers	80%			LIFE	**	2-5	\$5,900	
No Component	20%							
Exhaust Fans								
Roof	80%			2031	\$20,200	2	\$300	
Wall Unit	20%			2036	**	2	\$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	**	1		
Water Heater With Tanks								
Gas Fired	100%			2029	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two Units 99 Gallons Each</i>								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
LADDER CO. 25/ENGINE CO. 74/ HOOK 25
Asset # : 13219

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sanitary Piping							
	Cast Iron	60%			LIFE	**	1	
	Cast Iron	40%	0-2	\$6,500	LIFE	**	1	
	<i>Blockage /Clogged, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : Basement. Frequent Sewer Back Up Causing Unsanitary Condition In Basement</i>							
	Storm Drain Piping							
	Cast Iron	100%			LIFE	**	1	
	Sump Pump(s)							
	Non-Submersible	100%			2031	\$2,600	4	\$300
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : 2 Pits With Pumps</i>							
	Fixtures							
	Generic	100%						
Fire Suppression								
	Sprinkler							
	Generic	100%			2051	**	1-2	\$3,700
	Chemical System							
	Generic	100%			2024	\$79,700	1-3	\$80,900
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Kitchen</i>							
	<i>Explanation : 1 Set</i>							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : LADDER CO. 3
Address : 108 EAST 13TH STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSLAD.003 / 13215 **Yr Built/Renovated** : 1929 / 2002
Area Sq Ft : 5,148 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-Apr-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 558 **Lot** : 11 **BIN** : 1009010

CAPITAL		FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture			\$79,500
Interior Architecture			\$82,800
Mechanical			\$79,700
Total			\$241,900
Importance Code A			\$79,500
Importance Code B			\$162,400
Total			\$241,900

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$78,700		\$3,000	
Interior Architecture	\$60,400			\$1,000
Electrical	\$5,000	\$500	\$3,000	\$500
Mechanical	\$32,000	\$6,200	\$6,400	\$12,700
Total	\$176,100	\$6,700	\$12,400	\$14,200
Importance Code A	\$79,200	\$500	\$3,500	\$500
Importance Code B	\$81,400	\$6,200	\$8,900	\$13,500
Importance Code C	\$15,500			\$300
Total	\$176,100	\$6,700	\$12,400	\$14,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
LADDER CO. 3
Asset # : 13215

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	77%	Now	\$24,100	LIFE	**	5	\$15,000	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor Front Offices</i>								
Masonry: Granite	2%			LIFE	**	5	\$600	
Masonry: Limestone	10%	Now	\$14,900	LIFE	**	5	\$1,500	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Facade</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
Metal Sect. OHD	10%			2046	**	5	\$6,100	
Slate Panels	1%	Now	\$2,900	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor Window Sill In East Alleyway</i>								
Windows								
Aluminum	100%			2049	**	5	\$1,300	
Parapets								
Masonry: Brick	90%			LIFE	**	5-10	\$20,600	
Masonry: Sandstone	10%	Now	\$2,300	LIFE	**	5	\$400	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Parapet</i>								
Roof								
Modified Bitumen	100%	Now	\$15,900	2033			\$79,500	
<i>Blisters, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout Roof</i>								
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Lower Roof</i>								
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$31,800	LIFE	**	5	\$8,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Apparatus Floor</i>								
<i>Water Penetration, Extent : Light, Area Affected : 10%</i>								
<i>Location : At Recent Patch Through The Apparatus Floor</i>								
Ceramic Tile	10%			2042	**	5	\$800	
Vinyl Tile	40%			2033		3	\$1,500	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
LADDER CO. 3
Asset # : 13215

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Ceramic Tile	5%			2042	**	5	\$500	
Gypsum Board	5%			LIFE	**	5-10	\$900	
Masonry: Brick	20%			LIFE	**	10	\$600	
Plaster	35%	Now	\$8,800	LIFE	**	5	\$1,100	

Cracking/Crumbling, Extent : Light, Area Affected : 20%

Location : Adjacent To Roof Hatch And Truck Office

Water Penetration, Extent : Light, Area Affected : 20%

Location : Adjacent To Roof Hatch And Captain Office

SGFT/Glazed Masonry	25%			LIFE	**	10	\$1,300	
Wood	10%			LIFE	**	5	\$8,400	

Ceilings

AcousTileSusp.Lay-In	5%			2038	**	5	\$400	
Exposed Struc: Steel	40%			LIFE	**	10	\$6,100	
Gypsum Board	5%			LIFE	**	5-10	\$1,300	
Plaster	50%	Now	\$5,700	LIFE	**	5	\$2,400	

Water Penetration, Extent : Moderate, Area Affected : 5%

Location : Captain Office

Site Enclosure

Fence/Gates

Iron Picket	100%			2053	**			
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2046	**			
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On-Site Walkways

Cast in Place Concrete	100%			2046	**			
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Parking/Driveway

Cast in Place Concrete	100%			2046	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2043	**	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : Main Service Switch Rated At 200 Amperes

Raceway

Conduit	100%			2033	\$36,000	1		
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Panelboards

Molded Case Bkrs	100%			2041	**	5	\$100	
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Wiring

Thermoplastic	100%			2033	\$32,500	1		
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Ground

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
LADDER CO. 3
Asset # : 13215

Electrical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2038	**	1	\$1,600	
Generators								
Diesel	100%			2036	**	1	\$2,000	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Generator Rated At 40 Kilowatts</i>						
Batteries								
Lead/Acid	100%			2026	\$2,400	5	\$200	
Fuel Storage								
Day Tank	10%			2041	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement At Generator</i>						
		<i>Explanation : 50 Gallons Capacity</i>						
Day Tank	10%			2041	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement Adjacent To Generator</i>						
		<i>Explanation : 75 Gallons Capacity</i>						
Main Tank	80%			2036	**	5		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 550 Gallons Capacity</i>						
Lighting								
Interior Lighting								
Fluorescent	60%			2028	\$26,200	10	\$2,800	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
Fluorescent	30%			2028	\$13,100	10	\$1,400	
		<i>T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : 2nd Floor Offices</i>						
LED	10%			2038	**			
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : LED Lighting</i>						
Egress Lighting								
Emergency, Battery	50%			2033	\$4,200	10	\$600	
No Component	50%							
Exterior Lighting								
LED	20%			2041	**			
No Component	80%							
Alarm								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
LADDER CO. 3
Asset # : 13215

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Security System
Generic

100%		2041	**	1	\$1,900
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Other Observation, Extent : Moderate, Area Affected : 100%
Location : Exterior Only
Explanation : Cameras Security System

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%		2053	**	1	
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Conversion Equipment

Steam Boiler

100%		2046	**	1	\$5,100
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Other Observation, Extent : N/A, Area Affected : 100%
Location : Basement
Explanation : 1 Unit

Distribution

Steam Piping/Pump

100%		2043	**		
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Terminal Devices

Convactor/Radiator

100%		2031	\$41,100	1	\$1,700
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Air Conditioning

Energy Source

Electricity

100%		2041	**	1	
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Conversion Equipment

Window/Wall Unit

50%		2028	\$9,500	1	
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No Component

50%

Ventilation

Distribution

Ductwork/Diffusers

15%		LIFE	**	2-5	\$700
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No Component

85%

Exhaust Fans

Roof

15%	0-2	\$100	2038	**	2
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Not in Service, Extent : Moderate, Area Affected : 75%
Location : 2 Motors, Roof

Wall Unit

20%		2028	\$400	2	
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No Component

65%

Plumbing

H/C Water Piping

Brass/Copper

100%		2043	**	1	
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Water Heater With Tanks

Gas Fired

100%		2031	\$33,400	2	
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Other Observation, Extent : N/A, Area Affected : 100%
Location : Basement
Explanation : 2 Units, 75 Gallons Each

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
LADDER CO. 3
Asset # : 13215

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Sanitary Piping Cast Iron	100%	Now	\$19,000	LIFE	**	1		
<i>Other Observation, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Basement</i>								
<i>Explanation : Water Backs Up From The Sewage Pipe Underneath Of Basement Front Section Causing Terrible Flooding.</i>								
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Submersible	100%			2026	\$200	4	\$200	
Fixtures Generic	100%							
Fire Suppression								
Chemical System Generic	100%			2028	\$79,700	1-3	\$80,900	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : 1 Set Covers 20 Square Feet.</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : LADDER CO. 47
Address : 1220 CASTLE HILL AVENUE @ ELLIS AVE.
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSLAD.047 / 13232 **Yr Built/Renovated** : 1912 /
Area Sq Ft : 6,340 **Project Type** : FIRE DEPARTMENT
Date of Survey : 24-Apr-2019 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3821 **Lot** : 7 **BIN** : 2094870

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$193,200	
Total	\$193,200	
Importance Code A	\$193,200	
Total	\$193,200	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$13,200		\$700	
Interior Architecture	\$56,400		\$300	
Electrical	\$29,700	\$41,400	\$100	
Mechanical	\$13,300	\$29,900	\$1,100	\$1,000
Total	\$112,600	\$71,300	\$2,100	\$1,000
Importance Code A	\$13,900	\$600	\$1,300	\$600
Importance Code B	\$80,200	\$70,700	\$800	\$400
Importance Code C	\$18,500			
Total	\$112,600	\$71,300	\$2,100	\$1,000



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**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
LADDER CO. 47
Asset # : 13232

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	70%	4+	\$81,600	LIFE	**	5	\$20,300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	20%			LIFE	**	5	\$4,400	
Masonry: Limestone	5%	4+	\$11,200	LIFE	**	5	\$1,100	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Elevation</i>								
Wood Overhead Doors	5%			2043	**	5	\$7,300	
Windows								
Aluminum	100%			2046	**	5	\$1,400	
Parapets								
Masonry: Brick	80%			LIFE	**	5	\$1,900	
Pre-Cast Concrete	20%			LIFE	**	5	\$3,000	
Roof								
Modified Bitumen	95%	Now	\$111,600	2040	**			1
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 2nd Through 3rd Floor</i>								
Roll Roofing	5%	Now	\$2,100	2032	\$3,500	5	\$500	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Interior								
Floors								
Cast in Place Concrete	38%	0-2	\$15,000	LIFE	**	5	\$7,900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 70%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%	4+	\$1,300	2033	\$26,100	5	\$200	
<i>Horizontal Cracks, Extent : Light, Area Affected : 2%</i>								
<i>Location : Toilet Rooms</i>								
Quarry Tile	2%	4+	\$700	2035	**	5	\$100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Sheet Vinyl/Rubber	20%	4+	\$12,100	2035	**	5	\$1,400	
<i>Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Steel Plate	5%			LIFE	**	1		
Terrazzo	5%			LIFE	**	5	\$400	
Vinyl Tile	25%			2035	**	3	\$900	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
LADDER CO. 47
Asset # : 13232

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%	4+	\$700	2039	**	5	\$300	
<i>Vertical Cracks, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Throughout</i>								
Concrete Masonry Unit	10%	4+	\$2,400	LIFE	**	5	\$500	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Gypsum Board	30%	Now	\$1,100	LIFE	**	5	\$2,300	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	20%	Now	\$9,700	LIFE	**			
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Plaster	30%	4+	\$4,700	LIFE	**	5	\$1,200	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
Steel Plate	5%			LIFE	**	5	\$400	
Ceilings								
AcousTileSusp.Lay-In	10%			2043	**	5	\$900	
Gypsum Board	40%	4+	\$6,500	LIFE	**	5	\$4,700	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Plaster	40%	Now	\$2,300	LIFE	**	5	\$2,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 2%</i>								
<i>Location : 2nd Floor</i>								
No Component	10%							
Site Enclosure								
Fence/Gates								
Chain Link	100%			2050	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2043	**			
Parking/Driveway								
Cast in Place Concrete	100%			2043	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included. ** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
LADDER CO. 47
Asset # : 13232

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Raceway								
Conduit	30%			2050	**	1		
Conduit	70%			2030	\$25,200	1		
Panelboards								
Fused Disc Sw	5%			2029	\$2,400	5		
Molded Case Bkrs	70%			2046	**	5	\$100	
Molded Case Bkrs	25%			2029	\$12,100	5		
Wiring								
Braided Cloth	60%	2-4	\$19,500	2055	**	1		
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
Thermoplastic	30%			2050	**	1		
Thermoplastic	10%			2030	\$3,300	1		
Motor Controllers								
Locally Mounted	100%			2028	\$17,800	5		
Ground								
Grounding Devices								
Generic	100%	2-4	\$10,200	LIFE	**	5	\$100	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Water Main</i>								
Lighting								
Interior Lighting								
Fluorescent	90%			2035	**	10	\$5,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
LED	10%			2038	**			
Egress Lighting								
Emergency, Battery	50%			2025	\$5,200	10	\$800	
Exit, Service	50%			2025	\$1,300	1		
Exterior Lighting								
HID	100%			2025	\$28,900	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2050	**	1		
Conversion Equipment								
Steam Boiler	100%			2043	**	1	\$6,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution								
Steam Piping/Pump	100%			2030	\$49,600			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
LADDER CO. 47
Asset # : 13232

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convactor/Radiator	5%	0-2	\$1,000	2035	**	1	\$100	
<i>Not in Service, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 1st Floor TV Room</i>								
Convactor/Radiator	75%			2028	\$38,000	1	\$1,500	
Fan Coil Unit/Heat	20%			2030	\$30,700	1	\$400	
Air Conditioning								
Energy Source								
Electricity	100%			2038	**	1		
Conversion Equipment								
Split Unit	5%	0-2	\$7,400	2040	**			
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2 Units, Lunch Room</i>								
<i>Unit Inoperable, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 2 Old Condemn Units, Lunch Room</i>								
Window/Wall Unit	40%			2025	\$9,400	1		
No Component	55%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$400	
No Component	90%							
Exhaust Fans								
Roof	10%	0-2	\$100	2030	\$1,200	2		
<i>Not in Service, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor Bathroom</i>								
No Component	90%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%	0-2	\$1,600	2040	**	1		
<i>Pump(s) Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Booster Pump And Tank, Basement</i>								
Water Heater With Tanks								
Gas Fired	100%			2025	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 75 Gallon Units</i>								
Sanitary Piping								
Cast Iron	100%	0-2	\$1,600	LIFE	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
Storm Drain Piping								
Cast Iron	100%	0-2	\$400	LIFE	**	1		
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
LADDER CO. 47
Asset # : 13232

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Sump Pump(s) Submersible	100%	0-2	\$200	2025	\$200	4	\$100
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<hr/>								
	Backflow Preventer Generic	100%			2030	\$2,800	1	\$400
<hr/>								
Fixtures								
	Generic	100%						
<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Bathroom On 1st Floor</i>								
<hr/>								
Fire Suppression								
	Chemical System No Component Generic	97%			2025	\$2,400	1-3	\$2,200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Model Rg-4gs</i>								

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : LADDER CO. 79
Address : 1189 CASTLETON AVENUE @ ROE ST.
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSLAD.079 / 13222 **Yr Built/Renovated** : 1903 / 2010
Area Sq Ft : 5,828 **Project Type** : FIRE DEPARTMENT
Date of Survey : 23-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 198 **Lot** : 136 **BIN** : 5005308

CAPITAL		FY 2024 - 2027	FY 2028 - 2033
Electrical			\$63,500
Total			\$63,500
Importance Code A			\$63,500
Total			\$63,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$6,100		\$1,200	\$500
Interior Architecture	\$1,300	\$200	\$1,200	\$300
Electrical	\$500	\$2,900	\$500	\$400
Mechanical	\$9,700	\$1,800	\$38,400	\$1,800
Total	\$17,600	\$4,900	\$41,300	\$2,900
Importance Code A	\$6,700	\$600	\$1,900	\$1,000
Importance Code B	\$10,500	\$4,100	\$39,500	\$1,800
Importance Code C	\$400	\$200		
Total	\$17,600	\$4,900	\$41,300	\$2,900



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
LADDER CO. 79
Asset # : 13222

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	28%			2041	**	10	\$1,300	
Masonry: Brick	60%			LIFE	**	5	\$9,200	
<i>Painted Surfaces, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Masonry: Granite	2%			LIFE	**	5	\$200	
Metal Sect. OHD	10%			2048	**	5	\$4,800	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Main Apparatus Entrance Door</i>								
Windows								
Aluminum	25%			2047	**	5	\$400	
Wood	75%			2039	**	5	\$11,900	
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	**	5	\$300	
Masonry: Brick	30%			LIFE	**	5	\$200	
Metal Panel	5%			2041	**	5	\$100	
Wood Cornice	30%			2041	**	5-10	\$2,600	
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : South Facade</i>								
No Component	30%							
Roof								
Asphalt Shingle	10%	Now	\$200	2034	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Dining Room, Weight Room, And Barbecue Area</i>								
Roll Roofing	5%			2032		5	\$500	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Over Shed Roof</i>								
Not Accessible	85%							
<i>Other Observation, Extent : N/A, Area Affected : 0%</i>								
<i>Location : Main Roof</i>								
<i>Explanation : Modified Bitumen</i>								
Interior								
Floors								
Cast in Place Concrete	35%			LIFE	**	5	\$5,100	
Ceramic Tile	5%	4+	\$400	2034	**	5	\$200	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Bathroom On 1st Floor</i>								
Terrazzo	10%			LIFE	**	5	\$500	
Vinyl Tile	30%			2039	**	3	\$1,000	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Second Floor</i>								
Wood	20%			2066	**	5	\$2,500	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Chief's Office On Second Floor</i>								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
LADDER CO. 79
Asset # : 13222

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	5%			2040	**	5	\$500	
Gypsum Board	15%	Now	\$400	LIFE	**	5	\$800	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor Areas Located Below Asphalt Shingle Roof</i>								
Masonry: Brick	10%			LIFE	**			
Plaster	25%			LIFE	**	5	\$700	
Wood	45%			LIFE	**	5	\$16,500	
<i>Deteriorated Finish, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Apparatus Area</i>								
Ceilings								
AcousTileSusp.Lay-In	10%			2044	**	5	\$700	
Embossed Metal	30%			LIFE	**	5	\$900	
<i>Deformed/Dented, Extent : Light, Area Affected : 20%</i>								
<i>Location : Apparatus Area</i>								
Exposed Struc: Steel	25%			LIFE	**			
Gypsum Board	15%			LIFE	**	5	\$1,200	
Plaster	20%			LIFE	**	5	\$800	
Site Enclosure								
Fence/Gates								
Chain Link	98%			2041	**			
<i>Other Observation, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Vegetation Growth</i>								
Iron Picket	2%			2051	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			
On-Site Walkways								
Cast in Place Concrete	100%			2036	**			
Parking/Driveway								
Cast in Place Concrete	25%			2044	**			
No Component	75%							
<i>Other Observation, Extent : N/A, Area Affected : 0%</i>								
<i>Location : East Parking Area</i>								
<i>Explanation : This Is Actually A Gravel And Macadam Surfaced Parking Area</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2031	\$63,500	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : First Floor</i>								
<i>Explanation : 200 Ampere Main Circuit Breaker</i>								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
LADDER CO. 79
Asset # : 13222

Electrical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Raceway								
Conduit	100%			2041	**	1		
Panelboards								
Fused Disc Sw	10%			2030	\$4,800	5		
Molded Case Bkrs	50%			2039	**	5	\$100	
Molded Case Bkrs	40%			2030	\$19,400	5	\$100	
Wiring								
Thermoplastic	70%			2031	\$22,800	1		
Thermoplastic	30%			2051	**	1		
Motor Controllers								
Locally Mounted	100%			2029	\$17,800	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Ground Observed</i>								
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	**	1	\$1,800	
Generators								
Diesel	100%			2040	**	1	\$2,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 40 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2025	\$2,400	5	\$200	
Fuel Storage								
Day Tank								
	50%			2047	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 50 Gallons</i>								
Main Tank								
	50%			2059	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 216 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent								
	90%			2031	\$44,500	10	\$4,800	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Incandescent								
	10%			2031	\$7,000	2		
Egress Lighting								
Emergency, Service								
	70%			2031	\$2,500	1		
Exit, LED								
	30%			2046	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
LADDER CO. 79
Asset # : 13222

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Lighting

Exterior Lighting								
HID	50%			2031	\$13,300	10		
No Component	50%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source								
Natural Gas	100%			2051	**	1		
<i>Corroded, Extent : Light, Area Affected : 100%</i>								
<i>Location : Cellar</i>								
Conversion Equipment								
Steam Boiler	100%			2036	**	1	\$5,800	
Distribution								
Steam Piping/Pump	100%			2041	**			
Terminal Devices								
Convactor/Radiator	100%			2036	**	1	\$1,900	

Air Conditioning

Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Split Unit	10%			2031	\$13,500			
Window/Wall Unit	50%			2026	\$10,800	1		
No Component	40%							
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2	\$3,800	
No Component	50%							
Terminal Devices								
Air Handler/Dir	50%			2031	\$32,700	1		
Expansion								
No Component	50%							
Heat Rejection								
Air Cooled Condenser	50%			2031	\$4,900	2	\$2,000	
Unit								
No Component	50%							

Ventilation

Exhaust Fans								
Interior	80%	Now	\$1,000	2031	\$20,200	2	\$100	
<i>Broken, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 1st Floor Bathroom</i>								
<i>Malfunctioning, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st Floor Bathroom</i>								
Wall Unit	20%	Now	\$100	2031	\$500	2		
<i>Broken, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Kitchen Hood</i>								

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
LADDER CO. 79
Asset # : 13222

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
H/C Water Piping	Brass/Copper	100%			2041	**	1	
Water Heater With Tanks	Gas Fired	100%			2026	\$16,700	2	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 75 Gallons</i>								
Sanitary Piping	Cast Iron	100%	Now	\$7,200	LIFE	**	1	
<i>Blockage /Clogged, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Backs Up In Basement</i>								
Storm Drain Piping	Cast Iron	100%			LIFE	**	1	
Backflow Preventer	Generic	100%			2036	**	1	\$400
Fixtures	Generic	100%						
Fire Suppression								
Chemical System	No Component	90%						
	Generic	10%			2026	\$8,000	1-3	\$7,400

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name	: LADDER CO. 8		
Address	: 14 NORTH MOORE STREET @ VARICK ST.		
Borough	: MANHATTAN	Agency's Number	: N/A
Program / Asset #	: FIRSLAD.008 / 13216	Yr Built/Renovated	: 1904 / 2002
Area Sq Ft	: 6,258	Project Type	: FIRE DEPARTMENT
Date of Survey	: 12-Oct-2021	Landmark Status	: HISTORICAL LANDMARK DISTRICT
Areas Surveyed	: Basement, Roof, Floors 1,2,3		
Block	: 189	Lot	: 35
		BIN	: 1002150

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Mechanical		\$153,100
Total		\$153,100
Importance Code B		\$153,100
Total		\$153,100

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$41,200	\$7,800		
Interior Architecture	\$61,500	\$100	\$600	
Electrical	\$300	\$300	\$200	\$200
Mechanical	\$28,300	\$10,300	\$10,500	\$26,900
Site Enclosure	\$9,800			
Total	\$141,100	\$18,500	\$11,300	\$27,100
Importance Code A	\$41,500	\$8,100	\$300	\$300
Importance Code B	\$52,400	\$10,400	\$10,700	\$26,800
Importance Code C	\$47,300		\$300	
Total	\$141,100	\$18,500	\$11,300	\$27,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
LADDER CO. 8
Asset # : 13216

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	40%			LIFE	**	5	\$24,000	
Masonry: Brick	30%			LIFE	**	5	\$18,000	
Masonry: Granite	5%			LIFE	**	5	\$2,300	
Masonry: Limestone	10%			LIFE	**	5	\$4,500	
<i>Recent Repair Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Metal Sect. OHD	15%			2050	**	5	\$14,100	
Windows								
Aluminum	100%			2055	**	5	\$1,500	
Parapets								
Masonry: Brick	90%			LIFE	**	5-10	\$16,300	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	10%			LIFE	**	5-10	\$3,200	
Roof								
Modified Bitumen	100%			2041	**	10	\$5,900	
Interior								
Floors								
Cast in Place Concrete	20%			LIFE	**	5	\$8,200	
Cast in Place Concrete	20%			LIFE	**	5	\$8,200	
Sheet Vinyl/Rubber	5%			2043	**	5	\$700	
Traffic Topping	5%			2041	**	5	\$600	
Wood	50%			2068	**	5	\$8,800	
Interior Walls								
Ceramic Tile	5%			2046	**	5	\$600	
Concrete Masonry Unit	2%			LIFE	**	5	\$200	
Fiberglass Panel	5%			LIFE	**	10	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Mezzanine</i>								
<i>Explanation : Foam Insulation Covering</i>								
Gypsum Board	33%			LIFE	**	5-10	\$7,200	
Masonry: Brick	20%			LIFE	**	10	\$800	
<i>Painted Surfaces, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
Plaster	10%			LIFE	**	5-10	\$1,100	
SGFT/Glazed Masonry	25%	Now	\$31,000	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Room</i>								
Ceilings								
AcousTileSusp.Lay-In	3%			2050	**	5	\$300	
Embossed Metal	40%			LIFE	**	5	\$3,400	
Exposed Struc: Concrete	2%			LIFE	**	5-10	\$200	
Exposed Struc: Steel	20%			LIFE	**	10	\$3,700	
Gypsum Board	30%			LIFE	**	5-10	\$9,700	
Wood	5%			LIFE	**	5	\$8,200	

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FIRE DEPARTMENT - 057
LADDER CO. 8
Asset # : 13216

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Enclosure

Fence/Gates

Iron Picket

100%

2068

* *

Free Standing Walls

Masonry: Brick

100%

Now

\$9,800

2043

* *

*Cracking/Crumbling, Extent : Moderate, Area Affected : 25%**Location : Side Yard*

Site Pavements

Public Sidewalk

Cast in Place Concrete

100%

2046

* *

On-Site Walkways

Cast in Place Concrete

100%

2046

* *

Parking/Driveway

Cast in Place Concrete

100%

2046

* *

Electrical**Current Repair****Future Replacement****Maintenance**

System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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Under 600 Volts

Service Equipment

Fused Disc Sw

100%

2059

* *

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : The Service Equipment Consists Of One 200 Ampere Main Disconnect Switch.*

Raceway

Conduit

100%

2059

* *

1

Panelboards

Molded Case Bkrs

100%

2055

* *

5

\$200

Wiring

Thermoplastic

100%

2059

* *

1

Motor Controllers

Locally Mounted

100%

2050

* *

5

Ground

Grounding Devices

Generic

100%

LIFE

* *

5

\$200

Lighting

Interior Lighting

Fluorescent

5%

2041

* *

10

\$300

*Other Observation, Extent : Light, Area Affected : 100%**Location : Bathrooms And Closets**Explanation : Fluorescent Fixtures Are T8 Lamp Type. They Are New Fixtures.*

LED

95%

2041

* *

*Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout Building**Explanation : New LED Fixtures Are Installed Throughout The Building.*

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FIRE DEPARTMENT - 057
LADDER CO. 8
Asset # : 13216

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Egress Lighting								
Emergency, Service	25%			2041	**	1		
Emergency, Battery	25%			2041	**	10	\$400	
Exit, LED	50%			2068	**	1		
Exterior Lighting								
LED	20%			2041	**			
No Component	80%							
Alarm								
Security System								
Generic	100%			2041	**	1	\$2,300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Exterior</i>						
		<i>Explanation : Surveillance Cameras System</i>						
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2046	**	1	\$3,100	
Distribution								
Hot Wtr Piping/Pump	100%			2049	**	4	\$500	
Terminal Devices								
Convactor/Radiator	90%			2046	**	1	\$1,800	
Unit Heater - Steam	10%			2038	**	4	\$100	
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		
Conversion Equipment								
Split Unit	70%			2038	**			
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	70%			LIFE	**	2-5	\$3,900	
No Component	30%							
Exhaust Fans								
Wall Unit	30%			2043	**	2	\$100	
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	95%			2063	**	1		
Galvanized Steel	5%			2053	**	1		

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FIRE DEPARTMENT - 057
LADDER CO. 8
Asset # : 13216

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Water Heater With Tanks Gas Fired	100%			2033	\$36,600	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Two 74 Gallon Units</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Non-Submersible	100%			2043	**	4	\$100	
Backflow Preventer Generic	100%			2043	**	1	\$400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Installed On Steam Boiler Connection</i>								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System Wet	100%			2033	\$153,100	1-3	\$162,600	
<i>Other Observation, Extent : Light, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : Ansul System Serves Kitchen Dimension 5 Feet X 7 Feet</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : MAINTENANCE GARAGE LIC
Address : 48-34 35TH STREET LONG ISLAND CITY
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0001.000 / 2010 **Yr Built/Renovated** : 1945 / 2009
Area Sq Ft : 205,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-May-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 254 **Lot** : 1 **BIN** : 4003451

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$779,800	\$5,448,000
Interior Architecture	\$1,938,400	\$386,700
Electrical		\$944,500
Mechanical	\$50,800	\$6,121,800
Site Pavements	\$59,000	
Total	\$2,828,000	\$12,900,900
Importance Code A	\$779,800	\$5,697,100
Importance Code B	\$1,229,200	\$7,203,800
Importance Code C	\$819,000	
Total	\$2,828,000	\$12,900,900

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$172,500	\$3,300		
Interior Architecture	\$157,400	\$32,000	\$1,300	\$12,800
Electrical	\$45,200	\$33,400	\$37,000	\$41,100
Mechanical	\$128,200	\$49,000	\$56,000	\$57,800
Site Pavements	\$11,100			
Total	\$514,400	\$117,700	\$94,300	\$111,700
Importance Code A	\$187,900	\$18,000	\$15,300	\$14,700
Importance Code B	\$245,100	\$99,700	\$78,900	\$97,000
Importance Code C	\$81,400			
Total	\$514,400	\$117,700	\$94,300	\$111,700



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 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
MAINTENANCE GARAGE LIC
Asset # : 2010

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	69%			LIFE	**	5	\$805,300	
Cast in Place Concrete	6%	Now	\$43,000	LIFE	**	5	\$35,000	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Over Bay Doors East And West Sides</i>								
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Over Bay Doors</i>								
Metal Panel	15%			2059	**	5-10	\$120,400	
Metal Sect. OHD	3%	Now	\$12,400	2046	**	5	\$5,500	
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Facade Entrance</i>								
<i>Explanation : Bent Warped</i>								
Metal Coiling Doors	5%	Now	\$30,400	2046	**	5	\$9,100	
<i>Bent/Warped Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : East Side Of Building</i>								
Wood Overhead Doors	2%	Now	\$39,300	2038	**	5	\$5,800	
<i>Deteriorated Finish, Extent : Light, Area Affected : 100%</i>								
<i>Location : At Loading Docks</i>								
<i>Dry Rot/Decay, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Loading Docks</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : At Loading Docks</i>								
Windows								
Aluminum	95%			2055	**	5	\$6,600	
Metal Louvers	5%	Now	\$9,300	2042	**			
<i>Corrosion/Rusting, Extent : Light, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast in Place Concrete	95%			LIFE	**	5	\$311,200	
Metal Panel	5%			2059	**	5	\$3,100	
Roof								
Modified Bitumen	85%			2033		10	\$408,300	
Modified Bitumen	10%	2-4	\$89,700	2041	**			
<i>Blisters, Extent : Light, Area Affected : 5%</i>								
<i>Location : Flat Roofs Adjacent Solar Panels</i>								
<i>Ponding, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Flat Roofs</i>								
Skylight, Metal/Glass	5%	Now	\$131,800	2053	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Maintenance Bay</i>								
Soffits								
Cast in Place Concrete	100%	Now	\$3,800	LIFE	**	5	\$3,300	
<i>Horizontal Cracks, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Main Entrance</i>								
Interior								

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FIRE DEPARTMENT - 057
MAINTENANCE GARAGE LIC
Asset # : 2010

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Carpet	1%			2032	\$44,300	3	\$3,800	
Cast in Place Concrete	69%	4+	\$734,200	LIFE	**	5	\$386,700	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Ceramic Tile	5%			2042	**	5	\$12,800	
Terrazzo	5%	0-2	\$23,400	LIFE	**	5	\$10,000	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : 1st Floor Lobby</i>								
Vinyl Tile	20%	Now	\$138,200	2038	**	3	\$19,200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 1st And 2nd Floor</i>								
Interior Walls								
Cast in Place Concrete	35%	Now	\$721,500	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor Window</i>								
Concrete Masonry Unit	10%			LIFE	**	5	\$22,200	
Gypsum Board	25%	Now	\$47,400	LIFE	**	5	\$41,600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 1st Floor</i>								
Masonry: Brick	5%			LIFE	**	10	\$4,200	
Plaster	5%			LIFE	**	5-10	\$11,800	
SGFT/Glazed Masonry	20%	0-2	\$97,500	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Plant Ops Bathrooms</i>								
Ceilings								
AcousTileSusp.Lay-In	25%			2050	**	5	\$64,000	
Exposed Struc: Concrete	48%			LIFE	**	5-10	\$153,700	
Exposed Struc: Concrete	12%	Now	\$112,500	LIFE	**	5	\$4,800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Concrete Beam At Storage Area</i>								
Exposed Struc: Steel	5%			LIFE	**	10	\$25,600	
Plaster	10%	Now	\$38,000	LIFE	**	5	\$16,000	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement Storage</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2053	**			
Retaining Walls								
Concrete Masonry Unit	100%			2053	**			
Site Pavements								

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FIRE DEPARTMENT - 057
MAINTENANCE GARAGE LIC
Asset # : 2010

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%	Now	\$59,000	2046		**		
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 25%**Location : Around Grating**Spalling, Extent : Moderate, Area Affected : 10%**Location : Around Grating*

On-Site Walkways

Cast in Place Concrete	100%	Now	\$11,100	2046		**		
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 15%**Location : Steps To Entrance, West Side*

Parking/Driveway

Cast in Place Concrete	100%			2046		**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	98%			2053		**	5	\$900
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room Basement**Explanation : Two 3,000 Ampere Main Disconnect Switches*

Fused Disc Sw	2%			2059		**	5	
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Electrical Room At Offices Area**Explanation : One 350 Ampere Main Disconnect Switch For Solar System*

Transformers

Dry Type	100%			2046		**	5	\$800
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Roof**Explanation : One 225 Kilovolt Amperes 480/277 - 208/120 Volt, 112.5 Kilovolt Amperes, 480/277 - 208/120 Voltage And One 112.5 Kilovolt Amperes, 208/120 -480/277 Voltage For Solar System*

Switchgear / Switchboard

Air Circuit Breaker	50%			2053		**	5	\$500
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Generator Room**Explanation : Low Voltage Power Circuit Breaker*

Fused Disc Sw	50%			2053		**	5	\$400
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Raceway

Conduit	50%			2053		**	1	
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Conduit	50%			2033	\$18,000		1	
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
MAINTENANCE GARAGE LIC
Asset # : 2010

Electrical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Panelboards								
Fused Disc Sw	5%			2049	**	5	\$200	
Fused Disc Sw	5%			2032	\$2,400	5	\$200	
Molded Case Bkrs	50%			2032	\$24,200	5	\$2,700	
Molded Case Bkrs	40%			2049	**	5	\$2,200	
Wiring								
Thermoplastic	50%			2053	**	1		
Thermoplastic	50%			2033	\$16,300	1		
Motor Controllers								
Locally Mounted	70%			2046	**	5	\$1,000	
Locally Mounted	30%			2031	\$5,300	5	\$400	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$6,000	
Stand-by Power								
Transfer Switches								
Automatic	100%			2046	**	1	\$63,100	
Generators								
Diesel	100%			2042	**	1	\$79,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Basement</i>								
<i>Explanation : Two 750 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2027	\$2,400	5	\$7,600	
Fuel Storage								
Day Tank								
	50%			2049	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Basement</i>								
<i>Explanation : One 620 Gallons</i>								
Main Tank								
	50%			2061	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Underground</i>								
<i>Explanation : One 2,500 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent								
	3%			2033	\$52,200	10	\$5,600	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Offices, Storage And Basement</i>								
LED								
	97%			2041	**			
Egress Lighting								
Emergency, Service	60%			2041	**	1		
Emergency, Battery	10%			2033	\$33,600	10	\$4,900	
Exit, Service	30%			2038	**	1		
Exterior Lighting								
LED	20%			2041	**			
No Component	80%							

Lightning Protection

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FIRE DEPARTMENT - 057
MAINTENANCE GARAGE LIC
Asset # : 2010

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lightning Protection								
Arresters/Cabling								
Generic	100%			2061	**	5	\$5,000	
Alarm								
Security System								
Generic	50%			2033	\$187,900	1	\$38,300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Inside And Outside</i>						
		<i>Explanation : CCTV Surveillance Camera</i>						
Generic	50%			2033	\$187,900	1	\$38,300	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : Intrusion System And Manual Door Alarm System</i>						
Fire/Smoke Detection								
Generic, Digital	100%			2033	\$516,400	1-3	\$130,200	
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	50%			2053	**	1		
Interruptible Gas/Dual Fuel	50%			2053	**	1		
Conversion Equipment								
Furnace	40%			2033	\$249,100	1	\$40,500	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 6 Units</i>						
Furnace	5%			2041	**	1	\$5,100	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Roof</i>						
		<i>Explanation : 1 Unit</i>						
Heat Pump Air Sourced	5%			2034	**	2	\$3,200	
Steam Boiler	50%			2038	**	1	\$101,500	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement Boiler Room</i>						
		<i>Explanation : 3 Units</i>						
Distribution								
Steam Piping/Pump	50%	0-2	\$40,100	2033	\$801,600			
		<i>Leak Evident, Extent : Moderate, Area Affected : 2%</i>						
		<i>Location : Various Locations</i>						
		<i>Steam Traps Faulty, Extent : Moderate, Area Affected : 40%</i>						
		<i>Location : Various Locations</i>						
No Component	50%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
MAINTENANCE GARAGE LIC
Asset # : 2010

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Terminal Devices								
	Convactor/Radiator	40%		2038	**	1	\$26,500	
	Fan Coil Unit/Heat	10%		2028	\$496,400	1	\$6,600	
	No Component	50%						
Controls								
	Electrical	100%		2028	\$1,113,100			
Air Conditioning								
Energy Source								
	Electricity	100%		2041	**	1		
Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	5%		2041	**	2	\$600	
					<i>R-410a Refrigerant, Extent : Light, Area Affected : 100%</i>			
					<i>Location : Roof</i>			
	Split Unit	10%		2038	**			
					<i>Other Observation, Extent : Light, Area Affected : 100%</i>			
					<i>Location : Roof</i>			
					<i>Explanation : Refrigerant R-410 A</i>			
	Window/Wall Unit	15%		2028	\$113,800	1		
	No Component	70%						
Terminal Devices								
	Fan Coil - 2 Pipe	10%		2038	**	1	\$6,600	
	No Component	90%						
Heat Rejection								
	Dry Cooler	10%		2033	\$27,600	2	\$14,300	
	No Component	90%						
Ventilation								
Distribution								
	Ductwork/Diffusers	100%		LIFE	**	2-5	\$181,000	
Exhaust Fans								
	Interior	5%		2033	\$44,400	2	\$300	
	Roof	95%	0-2	\$18,500	2033	\$369,100	2	\$4,800
					<i>Not in Service, Extent : Moderate, Area Affected : 15%</i>			
					<i>Location : Roof</i>			
Plumbing								
H/C Water Piping								
	Brass/Copper	100%		2043	**	1		
Water Heater With Tanks								
	Gas Fired	100%		2028	\$16,700	2		
Sanitary Piping								
	Cast Iron	100%		LIFE	**	1		
Storm Drain Piping								
	Cast Iron	100%		LIFE	**	1		
Sump Pump(s)								
	Non-Submersible	100%		2028	\$40,100	4	\$6,500	
Backflow Preventer								
	Generic	100%		2038	**	1	\$12,600	

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FIRE DEPARTMENT - 057
MAINTENANCE GARAGE LIC
Asset # : 2010

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
Fixtures								
	Generic	100%						
Fire Suppression								
Standpipe								
	Generic	100%			2043	**	1-5	\$103,400
Sprinkler								
	Generic	100%			2033	\$2,768,800	1-2	\$57,400
Chemical System								
	Dry	100%			2028	\$159,100	1-3	\$157,800
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Fuel Station</i>								
<i>Explanation : Covers 40 Square Feet Fuel Station</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292
 Address : HAMMERHEAD AVE.
 Borough : BROOKLYN Agency's Number : N/A
 Program / Asset # : FIRMAR6.000 / 14078 Yr Built/Renovated : 1893 / 2008
 Area Sq Ft : 17,024 Project Type : FIRE DEPARTMENT
 Date of Survey : 04-Jun-2021 Landmark Status : NONE
 Areas Surveyed : Roof, Floors 1,2
 Block : 2023 Lot : 1 BIN : 3335122

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture	\$188,000	\$205,900
Electrical		\$63,500
Mechanical		\$292,900
Total	\$188,000	\$562,400
Importance Code B	\$188,000	\$562,400
Total	\$188,000	\$562,400

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$54,600	\$1,500		
Interior Architecture	\$55,300	\$1,300	\$900	\$1,100
Electrical	\$1,300	\$1,500	\$4,000	\$1,500
Mechanical	\$46,700	\$3,200	\$4,700	\$26,800
Total	\$157,900	\$7,600	\$9,500	\$29,300
Importance Code A	\$55,500	\$2,300	\$800	\$900
Importance Code B	\$79,700	\$5,200	\$8,100	\$28,500
Importance Code C	\$22,700		\$600	
Total	\$157,900	\$7,600	\$9,500	\$29,300



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 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292
Asset # : 14078

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	85%	Now	\$41,100	LIFE	**	5	\$10,200	
<i>Rusting Masonry Supt, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Above Overhead Doors And Various 2nd Floor Windows</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floors</i>								
<i>Explanation : Facility Occupies Only A Portion Of Building Entire</i>								
Metal Coiling Doors	8%			2045	**	5	\$3,000	
Pre-Cast Concrete	7%	Now	\$1,200	LIFE	**	5	\$2,700	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 2nd Floor South Facing Windows</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Window Sills</i>								
Windows								
Aluminum	25%			2048	**	5	\$100	
Steel	75%	Now	\$12,400	2057	**	5	\$1,800	
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 35%</i>								
<i>Location : Exterior And Interior Mullions Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Shops Area. 1st Floor</i>								
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 1st And 2nd Story Windows</i>								
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$16,300	LIFE	**	5	\$21,500	
<i>Horizontal Cracks, Extent : Light, Area Affected : 5%</i>								
<i>Location : First Floor Shop</i>								
<i>Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Shops, Apparatus Area</i>								
<i>Worn/Eroded, Extent : Light, Area Affected : 15%</i>								
<i>Location : Shops, Apparatus Area</i>								
Ceramic Tile	5%	Now	\$3,000	2035	**	5	\$500	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Water Area At Showers And Sinks</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Water Area At Showers And Sinks</i>								
Ceramic Tile	2%			2041	**	5	\$400	
Quarry Tile	8%			2045	**	5	\$2,600	
Vinyl Tile	35%	0-2	\$10,300	2032	\$205,900	3	\$2,900	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : 2nd Floor. Throughout Offices And Bunk Rooms</i>								
Vinyl Tile 9" X 9"	5%			2027	\$188,000	3	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor Areas And Safety Locker Room</i>								
<i>Explanation : 9x9s Installed</i>								

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FIRE DEPARTMENT - 057
MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292
Asset # : 14078

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	5%	Now	\$1,400	2035	**	5	\$600	
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Toilet and shower Rooms</i>								
Ceramic Tile	5%			2041	**	5	\$1,300	
Concrete Masonry Unit	40%	Now	\$18,600	LIFE	**	5	\$4,100	
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Corridors</i>								
Glass: Single Pane	5%			LIFE	**	5	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Main Corridor On 2nd Floor</i>								
<i>Explanation : Interior Window Wall</i>								
Gypsum Board	40%	Now	\$2,800	LIFE	**	5	\$6,100	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Baseboard Missing. 2nd Floor Corridors</i>								
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Various Locations Throughout</i>								
Wood	5%			LIFE	**	5	\$5,100	
Ceilings								
AcousTileConcealSpLn	5%	0-2	\$300	2045	**	5	\$700	
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Sout Facing Office. 2nd Floor</i>								
AcousTileSusp.Lay-In	35%	Now	\$2,500	2045	**	5	\$3,800	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Various Locations Throughout</i>								
Embossed Metal	5%			LIFE	**	5	\$500	
Exposed Struc: Concrete	55%			LIFE	**	5	\$1,900	
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2037	**			
Parking/Driveway								
Asphalt	100%			2041	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2032	\$14,700	5	\$100	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 1200 Amperes.</i>								

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FIRE DEPARTMENT - 057
MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292
Asset # : 14078

Electrical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Transformers								
Dry Type	100%			2037	**	5	\$100	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Mechanical Room</i>						
		<i>Explanation : 45 Kilovolt Amperes, 480 Volts Primary, 208/120 Volts Secondary</i>						
Switchgear / Switchboard								
Fused Disc Sw	100%			2032	\$63,500	5	\$100	
Raceway								
Conduit	100%			2042	**	1		
Panelboards								
Fused Disc Sw	10%			2040	**	5		
Molded Case Bkrs	90%			2040	**	5	\$400	
Wiring								
Thermoplastic	100%			2042	**	1		
Motor Controllers								
Locally Mounted	100%			2037	**	5	\$100	
Ground								
Grounding Devices								
Not Accessible	100%							
Stand-by Power								
Transfer Switches								
Automatic	100%			2045	**	1	\$5,200	
Generators								
Diesel	100%			2041	**	1	\$6,600	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : Two Emergency Generators Rated At 500 Kilovolt Amperes And 125 Kilovolt Amperes.</i>						
Batteries								
Lead/Acid	100%			2026	\$2,400	5	\$600	
Fuel Storage								
Main Tank	100%			2060	**	5		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : Two Main Tanks With 875 Gallons Rated Capacity And 240 Gallons Rated Capacity</i>						
Lighting								
Interior Lighting								
LED	100%			2040	**			
Egress Lighting								
Emergency, Service	50%			2037	**	1		
Exit, Service	50%			2032	\$3,600	1		
Exterior Lighting								
HID	30%			2032	\$23,300	10		
No Component	70%							
Alarm								

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FIRE DEPARTMENT - 057
MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292
Asset # : 14078

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Security System

No Component

80%

Generic

20%

2037

* *

1

\$1,300

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Outside Perimeter**Explanation : CCTV Surveillance Cameras*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2042

* *

1

Conversion Equipment

Hot Water Boiler

100%

2037

* *

1

\$8,400

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Boiler Room**Explanation : Six Tendon Of Caravan Boilers*

Distribution

Hot Wtr Piping/Pump

100%

2031

\$36,400

4

\$800

Terminal Devices

Air Handler

60%

2032

\$187,700

1

\$6,300

Convactor/Radiator

25%

2037

* *

1

\$1,400

Unit Heater - Hot Water

15%

2032

\$14,800

Air Conditioning

Energy Source

Electricity

100%

2040

* *

1

Conversion Equipment

Interior Pkg Unit - Cooling

40%

Now

\$31,600

2030

\$105,200

2

\$300

*Malfunctioning, Extent : Light, Area Affected : 10%**Location : 2nd Floor**R-22 Refrigerant, Extent : Light, Area Affected : 40%**Location : 2nd Floor*

Split Unit

20%

2037

* *

*Other Observation, Extent : Light, Area Affected : 30%**Location : 1st Floor Machine Shop**Explanation : 3 Units. R-410a*

Window/Wall Unit

20%

2027

\$12,600

1

No Component

20%

Terminal Devices

Fan Coil - 2 Pipe

20%

2037

* *

1

\$1,100

No Component

80%

Heat Rejection

Evaporative Condenser

20%

2040

* *

2

\$2,400

No Component

80%

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FIRE DEPARTMENT - 057
MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292
Asset # : 14078

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Distribution								
Ductwork/Diffusers	60%			LIFE	**	2-5	\$5,700	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Garage</i>								
<i>Explanation : Serves Garage Only</i>								
No Component	40%							
Exhaust Fans								
Interior	50%			2032	\$36,900	2	\$300	
Wall Unit	30%			2032	\$2,200	2	\$200	
No Component	20%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%	Now	\$10,700	2042	**	1		
<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Battalion Marine Room</i>								
Water Heater With Tanks								
Electric	100%			2030	\$23,100	4		
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Fixtures								
Generic	100%							
<i>Obsolete Fixtures, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen And Bathrooms</i>								
Fire Suppression								
Standpipe								
Generic	100%			2052	**	1-5	\$8,600	
Sprinkler								
Generic	100%			2042	**	1-2	\$4,800	
Fire Pump								
Not Accessible	100%							
Chemical System								
No Component	90%							
Generic	10%			2027	\$8,000	1-3	\$8,100	
<i>Dry System, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen Ansul System</i>								

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : MARINE 9 RESPONSE UNIT
Address : FRONT AND WAVE STREETS @ WATERFRONT
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRMAR9.000 / 14079 **Yr Built/Renovated** : 2011 /
Area Sq Ft : 8,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 15-Feb-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 487 **Lot** : 100 **BIN** :

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$42,600	\$1,700		
Interior Architecture	\$15,300	\$300	\$2,800	\$400
Electrical	\$700	\$800	\$700	\$10,600
Mechanical	\$11,400	\$1,700	\$4,200	\$1,000
Total	\$70,100	\$4,400	\$7,700	\$12,000
Importance Code A	\$42,600	\$1,700		\$100
Importance Code B	\$27,500	\$2,700	\$6,000	\$11,900
Importance Code C			\$1,700	
Total	\$70,100	\$4,400	\$7,700	\$12,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
MARINE 9 RESPONSE UNIT
Asset # : 14079

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	5%			LIFE	**	5	\$5,400	
Concrete Masonry Unit	30%			LIFE	**	5	\$4,100	
Metal Panel	30%	0-2	\$8,400	2052	**	5	\$12,200	
<i>Caulking Deteriorated, Extent : Light, Area Affected : 10%</i>								
<i>Location : Front Facade Near Entry Area</i>								
Metal Sect. OHD	5%			2045	**	5	\$3,400	
Window Wall	30%	0-2	\$19,300	2052	**	5	\$12,200	
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Front Lobby</i>								
Windows								
Aluminum	100%			2048	**	5	\$2,400	
Parapets								
Metal Rail	90%	0-2	\$14,700	2045	**	5	\$7,900	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 30%</i>								
<i>Location : Roof Metal Fence</i>								
Metal: Cage/Fence	10%	0-2	\$300	2045	**	5	\$400	
<i>Corrosion/Rusting, Extent : Light, Area Affected : 20%</i>								
<i>Location : Fence Post</i>								
Roof								
Green, Roof Inaccessible	100%			LIFE	**			
Interior								
Floors								
Cast in Place Concrete	15%	Now	\$2,300	LIFE	**	5	\$3,100	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Garage</i>								
Ceramic Tile	25%			2041	**	5	\$2,400	
Panel/Paver: Cer/Brk	30%			2048	**	5	\$6,400	
Sheet Vinyl/Rubber	5%			2037	**	5	\$700	
Vinyl Tile	25%			2037	**	3	\$900	
Interior Walls								
Ceramic Tile	25%			2041	**	5	\$3,300	
Gypsum Board	35%			LIFE	**	5	\$2,800	
Wood	15%			LIFE	**	5	\$8,000	
No Component	25%							
Ceilings								
AcousTileSusp.Lay-In	85%	0-2	\$13,000	2045	**	5	\$4,000	
<i>Staining/Discoloring, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout First And Second Floor</i>								
Exposed Struc: Steel	15%			LIFE	**			
Site Enclosure								
Fence/Gates								
Chain Link	100%			2052	**			
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	100%			2045	**			

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FIRE DEPARTMENT - 057
MARINE 9 RESPONSE UNIT
Asset # : 14079

Electrical System Component Type	Current Repair			Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Over 600 Volts								
Service Equipment Fused Disc Sw	100%			2052	**	3		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 600 Amperes, 13.8 Kilovolt Amperes</i>								
Transformers Dry Type	100%			2045	**	3	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 750 Kilovolt Ampere, 4,160/480/277 Volts, One 750 Kilovolt Ampere, 13.2 Kilovolt /480/277 Volts</i>								
Feeders Cable	100%			2048	**	1		
Raceway Conduit	100%			2052	**	1		
Under 600 Volts								
Service Equipment Molded Case Bkrs	100%			2052	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 800 Amperes.</i>								
Transformers Dry Type	100%			2045	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room, And Outside</i>								
<i>Explanation : Three 112.5 Kilovolt Ampere, 480/208/120 Volts And 30 Kilovolt Ampere, 45 Kilovolt Ampere 480/208/120 Volts</i>								
Switchgear / Switchboard Molded Case Bkrs	100%			2052	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Vertical Section</i>								
Raceway Conduit	100%			2052	**	1		
Panelboards Fused Disc Sw	15%			2048	**	5		
Molded Case Bkrs	85%			2048	**	5	\$200	
Wiring Thermoplastic	100%			2052	**	1		
Motor Controllers Locally Mounted	20%			2045	**	5		
No Component	80%							
Ground								

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FIRE DEPARTMENT - 057
MARINE 9 RESPONSE UNIT
Asset # : 14079

Electrical	Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Water Main Room</i>								
<i>Explanation : Connected To Metal Water Pipe</i>								
Stand-by Power								
Transfer Switches Automatic	100%			2045	**	1	\$2,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Rated At 1,200 Amperes, Eaton 300 Automatic Transfer Switch Controller</i>								
Generators								
Diesel	100%			2041	**	1	\$3,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : Emergency Generator Rated At 562.5 Kilovolt Ampere Or 450 Kilovolt Ampere</i>								
Batteries								
Nickel Cadmium	100%			2027		5	\$1,800	
Fuel Storage								
Main Tank	100%			2060	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 800 Gallons Rated Capacity</i>								
Lighting								
Interior Lighting Fluorescent	90%			2037	**	10	\$5,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps, Equipped With Occupancy Sensors</i>								
Fluorescent	10%			2037	**	10	\$600	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : Hallways</i>								
Egress Lighting								
Emergency, Service	40%			2037	**	1		
Emergency, Battery	30%			2037	**	10	\$500	
Exit, LED	30%			2060	**	1		
Exterior Lighting								
Fluorescent	10%			2037	**	10	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Perimeter Of The Building</i>								
<i>Explanation : 17 Compact Fluorescent Light Fixtures</i>								
Fluorescent	10%			2037	**	10	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : 17 Fluorescent Fixtures With T-8 Lamps</i>								
No Component	80%							

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FIRE DEPARTMENT - 057
MARINE 9 RESPONSE UNIT
Asset # : 14079

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Security System

No Component

80%

Generic

20%

2037

* *

1

\$600

*Other Observation, Extent : Light, Area Affected : 100%**Location : Inside And Outside**Explanation : 9 CCTV Surveillance Cameras*

Fire/Smoke Detection

No Component

80%

Generic, Digital

20%

2037

* *

1-3

\$1,000

*Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout The Building**Explanation : Smoke Detectors, Heat Detector, Manual Pull Station, Alarm Bells And Horns*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Electricity

50%

2058

* *

1

Solar Panels

50%

2058

* *

2

\$200

Distribution

Ductwork/Diffusers

50%

LIFE

* *

2-5

\$1,800

No Component

50%

Terminal Devices

Air Handler

50%

2040

* *

1

\$1,900

Fan Coil Unit/Heat

30%

2040

* *

1

\$600

*Other Observation, Extent : Light, Area Affected : 20%**Location : 1st Floor Garage**Explanation : Electric Fan Coil Unit Heater.*

No Component

20%

Air Conditioning

Energy Source

Electricity

100%

2057

* *

1

Conversion Equipment

Ext Pkg Unit -

100%

2037

* *

2

\$400

Heating/Cooling

*Other Observation, Extent : Light, Area Affected : 100%**Location : Roof**Explanation : 3 Rooftop Package Units With Refrigerant R- 410a*

Distribution

Ductwork/Diffusers

70% Now

\$9,400 LIFE

* *

2

\$5,700

*Controller Not Working, Extent : Moderate, Area Affected : 20%**Location : Throughout*

No Component

30%

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FIRE DEPARTMENT - 057
MARINE 9 RESPONSE UNIT
Asset # : 14079

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Terminal Devices								
Air Handler/Dir Expansion	100%			2040	**	1		
Heat Rejection								
Evaporative Condenser	100%			2040	**	2	\$4,400	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,500	
Exhaust Fans								
Roof	15%			2040	**	2		
No Component	85%							
<i>Other Observation, Extent : N/A, Area Affected : 0%</i>								
<i>Location : Roof</i>								
<i>Explanation : Hvac System</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2058	**	1		
Water Heater With Tanks								
Electric	100%			2031	\$23,100	4		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : First Floor Mechanical Room</i>								
<i>Explanation : 2 Units. Hot Water Solar Panels Are Used To Heat The Water</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Backflow Preventer								
Generic	100%			2040	**	1	\$400	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2062	**	1-2	\$1,800	
Chemical System								
No Component	90%							
Generic	10%			2031	\$8,000	1-3	\$7,400	

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : RESCUE 1
Address : 530 WEST 43rd STREET BTWN 10TH AVE. - 11TH AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSRES.001 / 13227 **Yr Built/Renovated** : 1988 /
Area Sq Ft : 6,700 **Project Type** : FIRE DEPARTMENT
Date of Survey : 29-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2,3
Block : 1071 **Lot** : 49 **BIN** : 1070109

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$72,800			
Interior Architecture	\$19,400	\$4,100		\$800
Electrical	\$500	\$3,100	\$500	\$700
Mechanical	\$53,000	\$2,900	\$2,500	\$14,600
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$149,600	\$14,100	\$7,000	\$19,900
Importance Code A	\$114,500	\$300	\$300	\$400
Importance Code B	\$27,000	\$12,700	\$6,600	\$19,500
Importance Code C	\$8,100	\$1,000		
Total	\$149,600	\$14,100	\$7,000	\$19,900



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FIRE DEPARTMENT - 057

RESCUE 1

Asset # : 13227

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	25%			LIFE	**	5	\$6,800	
Masonry: Granite	70%	4+	\$29,200	LIFE	**	5	\$14,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Wheel Guard</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
<i>Explanation : Impact Damage At Wheel Guard</i>								
Wood Overhead Doors	5%	4+	\$3,800	2045	**	5	\$3,400	
<i>Other Observation, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Overhead Doors</i>								
<i>Explanation : Air Infiltration</i>								
Windows								
Aluminum	100%	Now	\$1,400	2048	**	5	\$300	
<i>Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Bunk Rooms</i>								
Parapets								
Masonry: Brick	80%			LIFE	**	5	\$1,600	
Masonry: Granite	15%			LIFE	**	5	\$400	
Metal Cornice	5%			2060	**	10	\$300	
Roof								
IRMA/Protected Membrane	95%	Now	\$30,800	2037	**			
<i>Insul Miss/Displaced, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : 4th Floor Locker Rooms</i>								
<i>Other Observation, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Filter Sheet Below Balast Ripped And Damaged</i>								
Skylight, Plastic	5%	Now	\$7,500	2045	**	1		
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Over Kitchen</i>								
<i>Other Observation, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Skylight</i>								
<i>Explanation : Caulking Deteriorated</i>								
Soffits								
Granite Panels	100%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	35%			LIFE	**	5	\$7,700	
Ceramic Tile	15%			2045	**	5	\$1,500	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Bathrooms</i>								
Quarry Tile	10%			2045	**	5	\$1,500	
Sheet Vinyl/Rubber	10%			2037	**	5	\$1,500	
Vinyl Tile	30%			2037	**	3	\$1,100	

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FIRE DEPARTMENT - 057
RESCUE 1
Asset # : 13227

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	15%			2045	**	5	\$2,000	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Bathrooms</i>								
Concrete Masonry Unit	50%			LIFE	**	5	\$2,600	
SGFT/Glazed Masonry	35%	4+	\$8,100	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Ceilings								
AcousTileSusp.Lay-In	25%			2045	**	5	\$2,500	
Gypsum Board	5%			LIFE	**	5	\$600	
Metal Panel	70%	Now	\$11,400	LIFE	**	5	\$8,800	
<i>Other Observation, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Bunk Rooms</i>								
<i>Explanation : Paint Peeling</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2045	**			
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2042	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Electrical Room</i>								
<i>Explanation : One 600 Ampere Main Disconnect Switch</i>								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2042	**	5	\$200	
Raceway								
Conduit	100%			2042	**	1		
Panelboards								
Fused Disc Sw	5%			2040	**	5		
Molded Case Bkrs	95%			2040	**	5	\$200	
Wiring								
Thermoplastic	100%			2042	**	1		
Motor Controllers								
Locally Mounted	100%			2037	**	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2037	**	1	\$2,100	

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FIRE DEPARTMENT - 057
RESCUE 1
Asset # : 13227

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Generators								
Diesel	100%			2035	**	1	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Generator Room</i>								
<i>Explanation : One 80 Kilowatts</i>								
Batteries								
Lead/Acid	100%			2025	\$2,400	5	\$200	
Fuel Storage								
Day Tank								
	50%			2040	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Generator Room</i>								
<i>Explanation : One 60 Gallons</i>								
Main Tank								
	50%			2047	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 550 Gallons</i>								
Lighting								
Interior Lighting								
LED	100%			2040	**			
Egress Lighting								
Emergency, Service	50%			2040	**	1		
No Component	50%							
Exterior Lighting								
LED	20%			2040	**			
No Component	80%							
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2042	**	1		
Conversion Equipment								
Hot Water Boiler	100%	Now	\$41,700	2052	**	1	\$3,000	
<i>Malfunctioning, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Fresh Air Louver Damper</i>								
<i>Obsolete Equipment, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Three Hydrothermal Boilers</i>								
Distribution								
Hot Wtr Piping/Pump	100%	0-2	\$700	2040	**	4	\$300	
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								

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FIRE DEPARTMENT - 057

RESCUE 1

Asset # : 13227

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convactor/Radiator	75%			2037	**	1	\$1,600	
Unit Heater - Steam	25%			2037	**	4	\$200	
Air Conditioning								
Energy Source								
Electricity	100%			2054	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	30%			2037	**	2	\$100	
Split Unit	10%			2037	**			
Window/Wall Unit	10%			2027	\$2,500	1		
No Component	50%							
Terminal Devices								
Air Handler/Cool/Ht	90%	0-2	\$2,900	2037	**	1	\$3,400	
<i>Corroded, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Steam Piping Feeding The Air Handler Unit Corroded</i>								
No Component	10%							
Heat Rejection								
Air Cooled Condenser Unit	90%			2037	**	2	\$4,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Roof</i>								
<i>Explanation : Refrigerant Type 410-A</i>								
No Component	10%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	**	2-5	\$3,700	
Exhaust Fans								
Interior	50%	Now	\$700	2032	\$14,500	2	\$100	
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Kitchen Exhaust</i>								
<i>On Extended Life, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Kitchen</i>								
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2042	**	1		
Water Heater With Tanks								
Gas Fired	100%			2030	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallon Unit</i>								
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		

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FIRE DEPARTMENT - 057
RESCUE 1
Asset # : 13227

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Storm Drain Piping Cast Iron	100%	0-2	\$2,300	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Blocked, Clogged Floor Drian At 1st Floor</i>								
Sump Pump(s) Non-Submersible	100%			2032	\$1,300	4	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Pit Dual Pump</i>								
Fixtures Generic	100%							
<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Vertical Transport								
Elevators Hydraulic	100%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement To First Floor</i>								
<i>Explanation : 1 Unit</i>								
Fire Suppression								
Sprinkler No Component Generic	80%			2042	**	1-2	\$400	
Chemical System Dry	10%	Now	\$3,200	2031	\$8,000	1-3	\$6,700	
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Kitchen</i>								
<i>Explanation : PCL-300, Needs Replacement</i>								
No Component Generic	80%			2027	\$8,000	1-3	\$8,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Fire Extinguishers</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : RESCUE 3
 Address : 1655 WASHINGTON AVE. @ E.172 - 173 STS
 Borough : BRONX Agency's Number : N/A
 Program / Asset # : FIRSRES.003 / 14463 Yr Built/Renovated : 2009 /
 Area Sq Ft : 19,492 Project Type : FIRE DEPARTMENT
 Date of Survey : 02-Jan-2020 Landmark Status : NONE
 Areas Surveyed : Basement, Roof, Floors 1,2
 Block : 2905 Lot : 30 BIN : 2817127

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture		\$68,500
Interior Architecture		\$54,200
Mechanical		\$79,700
Total		\$202,400
Importance Code A		\$68,500
Importance Code B		\$133,900
Total		\$202,400

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$19,700	\$9,600	\$32,500	\$600
Interior Architecture	\$51,100	\$1,800	\$400	
Electrical	\$1,900	\$4,400	\$20,200	\$2,000
Mechanical	\$7,500	\$7,400	\$18,200	\$8,100
Total	\$80,200	\$23,300	\$71,300	\$10,700
Importance Code A	\$20,700	\$10,600	\$33,500	\$1,600
Importance Code B	\$59,500	\$11,300	\$37,900	\$9,200
Importance Code C		\$1,300		
Total	\$80,200	\$23,300	\$71,300	\$10,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057

RESCUE 3

Asset #: 14463

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	2%			LIFE	**	5	\$3,400	
Fiberglass Panel	15%			2040	**	5	\$19,300	
Masonry: Brick	30%			LIFE	**	5	\$10,300	
Metal/Glass Curt Wall	3%			LIFE	**	5	\$1,900	
Metal Panel	40%			2051	**	5-10	\$94,200	
Metal Coiling Doors	10%			2044	**	5	\$10,700	
Windows								
Aluminum	100%			2047	**	5	\$1,200	
Parapets								
Cast in Place Concrete	10%			LIFE	**	5	\$2,500	
Metal Panel	5%			2051	**	5	\$500	
Metal Rail	10%			2044	**	5-10	\$4,400	
No Component	75%							
Roof								
IRMA/Protected Membrane	15%			2036	**	10	\$3,900	
Metal, Corrugated	60%	Now	\$2,700	2044	**	1		
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Perimeter Near Skylights Into Office, Bunker Roof, Open Stairwell</i>								
Modified Bitumen	10%			2036	**	10	\$2,600	
Plaza Roof: Stone Panels	10%			2051	**			
Skylight, Metal/Glass	5%			2051	**	10	\$4,400	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Kitchen Skylight</i>								
Soffits								
Stucco Cement	100%			2044	**	5	\$18,000	
Interior								
Floors								
Cast in Place Concrete	85%	4+	\$41,200	LIFE	**	5	\$54,200	
<i>Worn/Eroded, Extent : Light, Area Affected : 20%</i>								
<i>Location : Apparatus Area</i>								
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Apparatus Area</i>								
<i>Explanation : Epoxy Coating Peeling Away</i>								
Ceramic Tile	3%			2040	**	5	\$900	
Sheet Vinyl/Rubber	2%			2036	**	5	\$900	
Wood	10%	4+	\$8,500	2059	**	5	\$2,700	
<i>Worn/Eroded, Extent : Light, Area Affected : 35%</i>								
<i>Location : Corridors Throughout, Steps, Main Office Area</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
RESCUE 3
Asset # : 14463

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Interior Walls

Cast in Place Concrete	10%			LIFE	**		
Ceramic Tile	5%			2040	**	5	\$2,700
Concrete Masonry Unit	15%			LIFE	**	5	\$3,200
Fiberglass Panel	30%			LIFE	**		
Glass: Single Pane	5%			LIFE	**	5	\$2,000
Gypsum Board	20%			LIFE	**	5	\$6,400
Masonry: Brick	5%			LIFE	**		
Steel Plate	5%			LIFE	**	5	\$1,600
Wood	5%			LIFE	**	5	\$10,700

Ceilings

AcousTileSusp.Lay-In	10%			2044	**	5	\$2,800
Exposed Struc: Steel	70%			LIFE	**		

Other Observation, Extent : N/A, Area Affected : 65%

Location : Throughout

Explanation : This Material Is Actually Metal Decking.

Gypsum Board	5%			LIFE	**	5	\$1,800
Metal Panel	15%			LIFE	**	5	\$5,300

Site Enclosure

Fence/Gates

Chain Link	100%			2051	**		
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2044	**		
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On-Site Walkways

Cast in Place Concrete	100%			2044	**		
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Parking/Driveway

Asphalt	100%			2040	**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2051	**	5	\$100
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Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room

Explanation : One 800 Amperes.

Switchgear / Switchboard

Molded Case Bkrs	100%			2051	**	5	\$500
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Raceway

Conduit	100%			2051	**	1	
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Panelboards

Fused Disc Sw	5%			2047	**	5	
Molded Case Bkrs	95%			2047	**	5	\$500

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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FIRE DEPARTMENT - 057
RESCUE 3
Asset # : 14463

Electrical	Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Under 600 Volts							
Wiring							
Thermoplastic	100%			2051	**	1	
Motor Controllers							
Locally Mounted	100%			2044	**	5	\$100
Ground							
Grounding Devices							
Generic	100%			LIFE	**	5	\$300
Stand-by Power							
Transfer Switches							
Automatic	100%			2044	**	1	\$6,000
Generators							
Diesel	100%			2040	**	1	\$7,600
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
			<i>Location : Outside</i>				
			<i>Explanation : One 250 Kilowatts</i>				
Batteries							
Lead/Acid	100%			2025	\$2,400	5	\$700
Fuel Storage							
Day Tank	50%			2047	**	5	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
			<i>Location : Outside</i>				
			<i>Explanation : One 100 Gallons</i>				
Main Tank	50%			2059	**	5	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
			<i>Location : Outside</i>				
			<i>Explanation : One 3,000 Gallons</i>				
Lighting							
Interior Lighting							
Fluorescent	95%			2036	**	10	\$17,000
			<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>				
			<i>Location : Throughout The Building</i>				
Fluorescent	5%			2036	**	10	\$900
			<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>				
			<i>Location : Second Floor</i>				
Egress Lighting							
Emergency, Service	50%			2036	**	1	
Exit, LED	50%			2059	**	1	
Exterior Lighting							
Fluorescent	20%			2036	**	10	\$400
			<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>				
			<i>Location : Outside</i>				
No Component	80%						
Alarm							

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FIRE DEPARTMENT - 057
RESCUE 3
Asset # : 14463

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Alarm

Fire/Smoke Detection

No Component

70%

Generic, Digital

30%

2036

* *

1-3

\$3,700

*Other Observation, Extent : Light, Area Affected : 100%**Location : Hallways And Offices**Explanation : Smoke Detectors*

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

Energy Source

Natural Gas

100%

2051

* *

1

Conversion Equipment

Furnace

35%

2036

* *

1

\$3,400

*Other Observation, Extent : Light, Area Affected : 35%**Location : Roof**Explanation : 2 Rooftop Package Units. Temperature Control Problem. Unit Blowing Cold Air In Winter.*

Hot Water Boiler

65%

2044

* *

1

\$6,300

*Malfunctioning, Extent : Moderate, Area Affected : 100%**Location : Building Management System**Other Observation, Extent : Light, Area Affected : 65%**Location : Basement**Explanation : 1 Boiler*

Distribution

Hot Wtr Piping/Pump

65%

2047

* *

4

\$600

No Component

35%

Terminal Devices

Convactor/Radiator

30%

2048

* *

1

\$1,900

Unit Heater - Steam

40%

2039

* *

4

\$700

No Component

30%

Air Conditioning

Energy Source

Electricity

100%

2047

* *

1

Conversion Equipment

Ext Pkg Unit -

50%

2036

* *

2

\$600

Heating/Cooling

*Other Observation, Extent : Light, Area Affected : 50%**Location : Roof**Explanation : 2 Package Units. Refrigerant R-410a*

No Component

50%

Ventilation

Distribution

Ductwork/Diffusers

100%

LIFE

* *

2-5

\$10,900

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
RESCUE 3
Asset # : 14463

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Exhaust Fans								
Interior	50%			2039	**	2	\$300	
Roof	50%			2039	**	2	\$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2057	**	1		
Water Heater With Tanks								
Gas Fired	100%			2029	\$16,700	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 Units About 125 Gallons Each</i>						
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Kitchen Sink Occasional Backup</i>						
Sewage Ejector(s)								
Electric	100%			2036	**	4	\$1,200	
Backflow Preventer								
Generic	100%			2036	**	1	\$1,200	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	20%							
Generic	80%			2051	**	1-2	\$4,400	
Chemical System								
Wet	100%			2029	\$79,700	1-3	\$83,300	

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : SPECIAL OPERATIONS COMMAND
Address : 750 MAIN ST., ROOSEVELT ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSSPE.000 / 13229 **Yr Built/Renovated** : 1976 /
Area Sq Ft : 6,656 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-Feb-2019 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,Mez
Block : 1373 **Lot** : 1 **BIN** : 1083213

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$264,500	\$199,400
Interior Architecture	\$77,300	\$80,600
Electrical	\$99,500	
Mechanical	\$101,500	
Site Pavements	\$88,300	\$4,414,100
Total	\$631,100	\$4,694,100
Importance Code A	\$366,000	\$199,400
Importance Code B	\$176,800	\$80,600
Importance Code C	\$88,300	\$4,414,100
Total	\$631,100	\$4,694,100

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$3,800	\$4,200		
Interior Architecture	\$63,700			\$400
Electrical	\$3,000	\$36,800	\$500	\$500
Mechanical	\$16,900	\$23,100	\$800	
Total	\$87,400	\$64,100	\$1,300	\$800
Importance Code A	\$3,800	\$4,200	\$600	
Importance Code B	\$51,500	\$59,900	\$700	\$800
Importance Code C	\$32,100			
Total	\$87,400	\$64,100	\$1,300	\$800



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SPECIAL OPERATIONS COMMAND
Asset # : 13229

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Concrete Masonry Unit	70%	Now	\$104,600	LIFE	**	5	\$4,200	1
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Throughout</i>								
<i>Staining/Discoloring, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Sides And Rear</i>								
Metal Panel	20%	Now	\$2,500	2050	**	5	\$3,600	1
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Entrance, West Side</i>								
Wood Overhead Doors	10%	2-4	\$1,300	2043	**	5	\$2,400	
<i>Split/Cracked, Extent : Light, Area Affected : 5%</i>								
<i>Location : Right Side Door</i>								
Windows								
Aluminum	100%	Now	\$100,100	2055	**	5	\$1,100	
<i>Air Infiltration, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Caulking Deteriorated, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
Parapets								
Metal Panel	100%			2050	**	5	\$8,400	
Roof								
Modified Bitumen	100%	Now	\$59,800	2030	\$199,400			
<i>Patching Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout Upper And Lower Roofs</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : At Roof Units Over Kitchen And Toilets / Shower</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
Soffits								
Cast in Place Concrete	100%			LIFE	**	5		
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SPECIAL OPERATIONS COMMAND
Asset # : 13229

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	60%	Now	\$9,900	LIFE	**	5	\$13,100	
<i>Water Penetration, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Throughout Basement, Ground Water Penetration</i>								
Ceramic Tile	5%	Now	\$1,400	2039	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Toilets</i>								
Quarry Tile	5%	Now	\$1,800	2043	**	5	\$400	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Kitchen</i>								
Vinyl Tile	30%	Now	\$16,100	2030	\$80,600	3	\$1,100	
<i>Adhesion Failure, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Basement</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Other Observation, Extent : Light, Area Affected : 20%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Mezzanine</i>								
Interior Walls								
Cast in Place Concrete	10%	Now	\$32,100	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout Basement, Ground Water Penetration</i>								
Ceramic Tile	5%			2033	\$38,700	5	\$700	
Concrete Masonry Unit	50%			LIFE	**	5	\$2,900	
Plywood/Hardboard	5%			LIFE	**			
SGFT/Glazed Masonry	30%			LIFE	**			
Ceilings								
AcousTileConcealSpLn	30%	Now	\$2,300	2035	**	5	\$1,900	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Exposed Struc: Concrete	20%			LIFE	**	5	\$300	
Gypsum Board	10%			LIFE	**	5	\$1,200	
Metal Panel	40%	Now	\$77,300	LIFE	**	5	\$5,000	
<i>Bent/Warped Elements, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Throughout Apparatus Room And Lounge</i>								
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Apparatus Room And Lounge</i>								
<i>Deformed/Dented, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout Apparatus Room And Lounge</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Room And Lounge</i>								
<i>Explanation : Ceiling Panels Are At The End Of Their Useful Life</i>								
Site Enclosure								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SPECIAL OPERATIONS COMMAND
Asset # : 13229

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Site Enclosure								
Retaining Walls								
Cast in Place Concrete	100%			2065		**		
Site Pavements								
Public Sidewalk								
Pavers/Stone	100%			2039		**		
On-Site Walkways								
Pavers/Stone	100%			2039		**		
Parking/Driveway								
Pavers/Stone	100%	Now	\$88,300	2033	\$4,414,100			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Main Driveway For Apparatus</i>								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2050		**	5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Service Room</i>								
<i>Explanation : Two 400 Ampere Service Switches</i>								
Transformers								
Dry Type	100%			2028	\$26,100		5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Service Room</i>								
<i>Explanation : One 225 Kilovolt-ampere Unit - Very Noisy</i>								
Switchgear / Switchboard								
Fused Disc Sw	100%			2040		**	5	
Raceway								
Conduit	100%			2040		**	1	
Panelboards								
Molded Case Bkrs	100%			2038		**	5	\$200
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Building</i>								
<i>Explanation : Panels Are Okay. However, Circuit Breakers Are Tripping Due To Circuit Overloading.</i>								
Wiring								
Braided Cloth	5%			2029	\$1,600		1	
Thermoplastic	95%			2040		**	1	
Motor Controllers								
Locally Mounted	90%			2035		**	5	
Motor Control Center	10%			2035		**	5	
Ground								

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
SPECIAL OPERATIONS COMMAND
Asset # : 13229

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Water Meter Room</i>								
<i>Explanation : Ground Connection</i>								
Stand-by Power								
Transfer Switches Automatic	100%			2028	\$12,900	1	\$2,100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Service Room</i>								
<i>Explanation : Zenith Type Switch</i>								
Generators								
Diesel	100%			2026	\$99,500	1	\$2,600	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement, Generator Room</i>								
<i>Explanation : 225 Kilovolt-ampere Unit.</i>								
Batteries								
Lead/Acid	100%			2024	\$2,400	5	\$200	
Fuel Storage								
Day Tank	100%			2029	\$25,000	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room</i>								
<i>Explanation : 60 Gallon Tank</i>								
Lighting								
Interior Lighting Fluorescent	5%			2025	\$2,800	10	\$300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Building</i>								
<i>Explanation : Old T-12 Lighting Fixtures Are Still Found At Several Areas Of The Building.</i>								
LED	95%			2040	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Building</i>								
<i>Explanation : In 2018 Most Lighting Fixtures Were Replaced With LED Type Fixtures.</i>								
Egress Lighting								
Exit, Service	100%			2025	\$2,800	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout Building</i>								
<i>Explanation : Main Power Lights</i>								
Exterior Lighting								
HID	100%			2025	\$30,300	10		
Mechanical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SPECIAL OPERATIONS COMMAND
Asset # : 13229

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Electricity	100%			2050	**	1		
Conversion Equipment								
Radiant Heater	100%	Now	\$101,500	2040	**	2	\$2,500	
<i>Not in Service, Extent : Light, Area Affected : 10%</i>								
<i>Location : 1st Floor</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st And Mezzanine Floors</i>								
<i>Explanation : 10 Electric Heaters</i>								
Air Conditioning								
Energy Source								
Electricity	100%			2038	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	10%			2030	\$10,900	2		
Split Unit	20%			2035	**			
Window/Wall Unit	40%			2024	\$9,900	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st And Mezzanine Floors</i>								
<i>Explanation : Window Units</i>								
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	30%	Now	\$4,300	LIFE	**	2-5	\$1,100	
<i>Broken, Extent : Moderate, Area Affected : 40%</i>								
<i>Location : Cabinet Fan In Basement</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Mechanical Room</i>								
<i>Explanation : Trane Ceiling Cabinet Fan</i>								
No Component	70%							
Exhaust Fans								
Roof	100%	Now	\$2,500	2030	\$12,600	2	\$200	
<i>Broken, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Kitchen Exhaust Fan</i>								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	**	1		
Water Heater With Tanks								
Electric	100%			2025	\$23,100	4		
Sanitary Piping								
Cast Iron	100%			LIFE	**	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2024	\$200	4	\$200	
Fixtures								
Generic	100%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

**FIRE DEPARTMENT - 057
SPECIAL OPERATIONS COMMAND
Asset # : 13229**

Print Date : 13-Oct-2022 **FIRE DEPARTMENT - FY 2023**

Asset Name	: SQUAD 1		
Address	: 788 UNION STREET BTWN 6TH AVE - 7TH AVE		
Borough	: BROOKLYN	Agency's Number	: N/A
Program / Asset #	: FIRSSQU.001 / 13230	Yr Built/Renovated	: 1907 /
Area Sq Ft	: 5,708	Project Type	: FIRE DEPARTMENT
Date of Survey	: 25-Jun-2019	Landmark Status	: NONE
Areas Surveyed	: Basement, Roof, Floors 1,2,3		
Block	: 957	Lot	: 23
		BIN	: 3020193

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture	\$51,700	
Electrical		\$63,500
Mechanical		\$53,000
Total	\$51,700	\$116,500
Importance Code A		\$63,500
Importance Code B		\$53,000
Importance Code C	\$51,700	
Total	\$51,700	\$116,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$50,900	\$5,700		
Interior Architecture	\$76,800			\$200
Electrical		\$2,500		
Mechanical	\$6,600	\$10,900	\$1,900	\$2,500
Total	\$134,200	\$19,100	\$1,900	\$2,700
Importance Code A	\$53,300	\$6,400	\$600	\$600
Importance Code B	\$80,900	\$12,800	\$1,300	\$2,100
Importance Code C				
Total	\$134,200	\$19,100	\$1,900	\$2,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057

SQUAD 1

Asset # : 13230

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	78%			LIFE	**	5	\$17,900	
			<i>Paint Peeling, Extent : Light, Area Affected : 25%</i>					
			<i>Location : East And West Facades</i>					
Masonry: Granite	2%			LIFE	**	5	\$300	
Masonry: Limestone	10%			LIFE	**	5	\$1,700	
Metal Panel	2%			2050	**	5-10	\$3,100	
Wood Overhead Doors	8%			2043	**	5	\$9,200	
Windows								
Aluminum	90%	Now	\$7,200	2046	**	5	\$300	
			<i>Crack/Balnc Not Funct, Extent : Moderate, Area Affected : 25%</i>					
			<i>Location : Throughout</i>					
Wood	10%	Now	\$1,300	2055	**	5	\$300	
			<i>Dry Rot/Decay, Extent : Moderate, Area Affected : 25%</i>					
			<i>Location : North Facade</i>					
Parapets								
Cast Stone/Terra Cotta	20%	Now	\$6,100	LIFE	**	5	\$2,700	
			<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Throughout</i>					
			<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Upper Roof</i>					
Masonry: Brick	20%	Now	\$21,400	LIFE	**	5	\$300	
			<i>Diagonal Cracks, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Throughout Upper Roof</i>					
			<i>Vertical Cracks, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Throughout Upper Roof</i>					
Masonry: Brick	60%			LIFE	**	5	\$1,000	
Roof								
Built-Up (BUR)	90%			2035	**	10	\$4,900	
Skylight, Metal/Glass	10%	Now	\$14,800	2050	**			
			<i>Glazing Broken/Cracked, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : TV Room, Second Floor Toilet</i>					
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$5,600	LIFE	**	5	\$7,400	
			<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Apparatus Floor At Trench Drain</i>					
Quarry Tile	11%	Now	\$3,000	2043	**	5	\$600	
			<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Kitchen And Toilet Throughout</i>					
Vinyl Tile	22%	0-2	\$900	2035	**	3	\$600	
			<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>					
			<i>Location : Toilet Doorway</i>					
Wood	22%	Now	\$19,100	2058	**	5	\$1,500	
			<i>Worn/Eroded, Extent : Moderate, Area Affected : 30%</i>					
			<i>Location : 3rd Floor Throughout</i>					

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SQUAD 1
Asset # : 13230

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Interior Walls								
Ceramic Tile	38%	Now	\$51,700	2039	**	5	\$2,400	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Apparatus Room And Staircase Throughout</i>								
Masonry: Brick	22%			LIFE	**			
<i>Paint Peeling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout Basement</i>								
Plaster	40%			LIFE	**	5	\$1,500	
Ceilings								
AcousTileSusp.Lay-In	20%			2043	**	5	\$1,600	
Embossed Metal	20%			LIFE	**	5	\$700	
<i>Paint Peeling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
Exposed Struc: Steel	25%	Now	\$48,200	LIFE	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement Below Sidewalk</i>								
Metal Panel	5%			LIFE	**	5	\$500	
Plaster	30%			LIFE	**	5	\$1,500	
<i>Paint Peeling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor Rear Wall</i>								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2035	**			
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2030	\$63,500	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>								
Raceway								
Conduit	95%			2030	\$34,200	1		
Conduit	5%			2050	**	1		
Panelboards								
Molded Case Bkrs	100%			2038	**	5	\$200	
Wiring								
Thermoplastic	100%			2040	**	1		
Motor Controllers								
Locally Mounted	100%			2028	\$17,800	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057

SQUAD 1

Asset #: 13230

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Interior Lighting Fluorescent	90%			2030	\$43,600	10	\$4,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Incandescent	1%			2030	\$700	2		
LED	9%			2038	**			
Egress Lighting								
Exit, Service	100%			2025	\$2,400	1		
Exterior Lighting								
LED	100%			2038	**			
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Building Perimeter</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source Natural Gas	100%			2050	**	1		
Conversion Equipment								
Steam Boiler	100%	Now	\$2,400	2035	**	1	\$5,100	
<i>Malfunctioning, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Boiler Control System</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Boiler Room</i>								
<i>Explanation : One Unit</i>								
Distribution								
Steam Piping/Pump	100%			2040	**			
Terminal Devices								
Convactor/Radiator	100%			2028	\$45,600	1	\$1,800	
Air Conditioning								
Energy Source Electricity	100%			2046	**	1		
Conversion Equipment								
Split Unit	40%			2030	\$53,000			
Window/Wall Unit	40%			2025	\$8,400	1		
No Component	20%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	**	2-5	\$300	
No Component	90%							
Exhaust Fans								
Roof	10%			2035	**	2		
No Component	90%							
Plumbing								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057

SQUAD 1

Asset # : 13230

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
H/C Water Piping Brass/Copper	100%			2040	**	1		
Water Heater With Tanks Gas Fired	100%			2028	\$16,700	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Two 74 Gallon Units</i>						
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%			LIFE	**	1		
Sump Pump(s) Submersible	100%			2024	\$200	4	\$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System Dry	10%	Now	\$3,200	2030	\$8,000	1-3	\$6,700	
		<i>Not in Service, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Obsolete Unit - Kitchen</i>						
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Model Rg-2.5g</i>						
No Component Generic	80%			2028	\$8,000	1-3	\$7,400	
	10%							
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Fire Extinguishers</i>						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : SQUAD 18
Address : 132 WEST 10TH STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSSQU.018 / 14075 **Yr Built/Renovated** : 1892 / 2001
Area Sq Ft : 7,107 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Nov-2018 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 610 **Lot** : 51 **BIN** : 1010686

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Interior Architecture		\$86,100
Electrical	\$57,300	
Total	\$57,300	\$86,100
Importance Code B	\$57,300	\$86,100
Total	\$57,300	\$86,100

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture		\$5,700	\$8,200	
Interior Architecture	\$33,100	\$900		\$400
Electrical	\$600	\$9,300	\$500	\$500
Mechanical	\$5,700	\$2,900	\$1,000	\$1,100
Site Enclosure	\$800			
Total	\$40,200	\$18,700	\$9,700	\$2,000
Importance Code A	\$700	\$6,400	\$8,900	\$700
Importance Code B	\$10,700	\$12,300	\$800	\$1,300
Importance Code C	\$28,700			
Total	\$40,200	\$18,700	\$9,700	\$2,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057

SQUAD 18

Asset # : 14075

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast Iron	5%			LIFE	**			
Cast Stone/Terra Cotta	15%			LIFE	**	5	\$38,000	
Masonry: Brick	70%			LIFE	**	5	\$22,700	
Masonry: Granite	5%			LIFE	**	5	\$1,200	
Metal Sect. OHD	5%			2043	**	5	\$5,100	
Windows								
Wood	100%			2046	**	5	\$16,300	
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$2,200	
Masonry: Brick	80%			LIFE	**	5	\$1,100	
Roof								
Asphalt Shingle	10%			2039	**	10	\$100	
Modified Bitumen	90%			2035	**	10	\$5,700	
Interior								
Floors								
Cast in Place Concrete	23%			LIFE	**	5	\$5,400	
Ceramic Tile	15%			2039	**	5	\$1,600	
Quarry Tile	5%			2035	**	5	\$800	
Terrazzo	2%			LIFE	**	5	\$200	
Vinyl Tile	30%			2030		3	\$1,600	
Wood	25%			2058	**	5	\$5,000	
Interior Walls								
Ceramic Tile	25%			2039	**	5	\$3,700	
Gypsum Board	25%			LIFE	**	5	\$2,200	
Masonry: Brick	48%	Now	\$26,100	LIFE	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement By Sidewalk Hatch Area</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Basement By Sidewalk Hatch Area</i>								
Marble Panels	2%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	10%			2035	**	5	\$1,100	
Embossed Metal	25%	4+	\$3,900	LIFE	**	5	\$1,200	
<i>Deformed/Dented, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout Apparatus Room</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout Apparatus Room</i>								
Exposed Struc: Steel	25%			LIFE	**			
Exposed Struc: Wood	30%			LIFE	**			
Gypsum Board	10%			LIFE	**	5	\$1,300	
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%	4+	\$800	2040	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Cement Stucco Finish Located At Rear Yard Area</i>								
Site Pavements								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SQUAD 18
Asset # : 14075

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2043	**			
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On-Site Walkways

Cast in Place Concrete	100%			2035	**			
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Parking/Driveway

Cast in Place Concrete	100%			2043	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2030	\$14,700	5		
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Enclosure Corroded, Extent : Severe, Area Affected : 20%

Location : Basement Service End Box

Other Observation, Extent : Light, Area Affected : 100%

Location : Basement Rear.

Explanation : The Service Equipment Consists Of One 200 Ampere Switch.

Raceway

Conduit	70%			2030	\$25,200	1		
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Conduit	30%			2040	**	1		
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Panelboards

Molded Case Bkrs	100%			2029	\$48,500	5	\$200	
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Wiring

Thermoplastic	30%			2040	**	1		
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Thermoplastic	70%			2030	\$22,800	1		
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Motor Controllers

Locally Mounted	100%			2035	**	5		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Stand-by Power

Transfer Switches

Automatic	100%			2043	**	1	\$2,200	
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Generators

Diesel	100%			2043	**	1	\$2,800	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : The Generator Set Is Rated 62.5 Kilovolt-ampere. It Is In Good Condition.

Batteries

Lead/Acid	100%			2025	\$2,400	5	\$300	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : The Batteries Are In Good Condition.

Fuel Storage

Main Tank	100%			2058	**	5		
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SQUAD 18
Asset # : 14075

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	95%			2025	\$57,300	10	\$6,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st, 2nd, 3rd Floors And Basement</i>								
Incandescent	5%			2030	\$4,300	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 3rd Floor</i>								
<i>Explanation : Lounge Area</i>								
Exterior Lighting Incandescent	30%			2030	\$11,200	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : In Front And Rear</i>								
<i>Explanation : Controlled Via Timer</i>								
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%			2050	**	1		
Conversion Equipment Steam Boiler	100%			2043	**	1	\$7,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement Mechanical Equipment Room</i>								
<i>Explanation : 1-boiler</i>								
Distribution Steam Piping/Pump	100%			2040	**			
Terminal Devices Convactor/Radiator	95%			2035	**	1	\$2,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Through 3rd Floors</i>								
<i>Explanation : One Pipe Steam System</i>								
Unit Heater - Steam	5%			2035	**	4		
Air Conditioning								
Energy Source Electricity	50%			2046	**	1		
No Component	50%							
Conversion Equipment Window/Wall Unit	55%	0-2	\$2,900	2029	\$14,500	1		
<i>Other Observation, Extent : Light, Area Affected : 30%</i>								
<i>Location : 1st, 2nd And 3rd Floors</i>								
<i>Explanation : 30 Percent Failure Of Units</i>								
No Component	45%							
Ventilation								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SQUAD 18
Asset # : 14075

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
Exhaust Fans								
Roof	100%			2035	**	2	\$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	**	1		
Water Heater With Tanks								
Gas Fired	100%			2028	\$16,700	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1-75 Gallon Tank</i>						
Sanitary Piping								
Cast Iron	100%	4+	\$1,700	LIFE	**	1		
		<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Recent Repair Made In Response To Leaking Was Not A Full Replacement And Future Leakage Is Anticipated</i>						
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Non-Submersible	100%	4+	\$100	2030	\$1,400	4	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 10%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Operable But In Need Of Replacement Soon</i>						
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	2%			2025	\$1,600	1-3	\$1,700	
		<i>Other Observation, Extent : Light, Area Affected : 2%</i>						
		<i>Location : 1st Floor</i>						
		<i>Explanation : Over Range</i>						
No Component	98%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : SQUAD 252
 Address : 617 CENTRAL AVENUE @ DECATUR ST
 Borough : BROOKLYN Agency's Number : N/A
 Program / Asset # : FIRSECO.252 / 13142 Yr Built/Renovated : 1899 / 2012
 Area Sq Ft : 4,488 Project Type : FIRE DEPARTMENT
 Date of Survey : 05-Nov-2021 Landmark Status : EXTERIOR LANDMARK
 Areas Surveyed : Basement, Roof, Floors 1,2,3
 Block : 3429 Lot : 3 BIN : 3079480

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$52,500	
Electrical		\$80,300
Mechanical		\$87,500
Total	\$52,500	\$167,800
Importance Code A	\$52,500	
Importance Code B		\$167,800
Total	\$52,500	\$167,800

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$49,600		\$1,400	
Interior Architecture	\$70,300		\$600	\$900
Electrical	\$500	\$300	\$300	\$3,000
Mechanical	\$6,400	\$12,600	\$6,200	\$6,200
Site Enclosure	\$5,100			
Site Pavements	\$42,600			
Total	\$174,700	\$12,900	\$8,400	\$10,000
Importance Code A	\$50,100	\$400	\$1,800	\$400
Importance Code B	\$70,300	\$12,400	\$6,600	\$9,500
Importance Code C	\$54,200			\$100
Total	\$174,700	\$12,900	\$8,400	\$10,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057

SQUAD 252

Asset # : 13142

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	2%			2053	**	10		
Masonry: Brick	73%	Now	\$52,500	LIFE	**	5	\$3,000	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Front Facade</i>								
Masonry: Brownstone	10%	Now	\$6,600	LIFE	**	5	\$300	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Front Facade</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Main Facade</i>								
Masonry: Sandstone	10%	0-2	\$24,300	LIFE	**	5	\$300	
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Main Facade</i>								
Wood Overhead Doors	5%			2046	**	5	\$1,000	
Windows								
Aluminum	60%			2049	**	5	\$100	
Wood	40%	4+	\$1,500	2049	**	5	\$400	
<i>Air Infiltration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Parapets								
Cast Stone/Terra Cotta	5%	Now	\$500	LIFE	**	5	\$800	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Main Roof</i>								
Cast Stone/Terra Cotta	15%			LIFE	**	5-10	\$9,100	
Masonry: Brick	80%			LIFE	**	5-10	\$11,700	
Roof								
Asphalt Shingle	5%	Now	\$100	2042	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : Roof Area</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : 3rd Floor Toilet Room</i>								
Metal Panel	10%			2046	**	10	\$800	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Metal Is Formed And Colored To Replicate Clay Tiles</i>								
Modified Bitumen	85%			2038	**	10	\$3,900	

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SQUAD 252
Asset # : 13142

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Carpet	5%	Now	\$1,200	2032	\$6,000	3	\$500	
<i>Worn/Eroded, Extent : Light, Area Affected : 25%</i>								
<i>Location : 3rd Floor</i>								
Cast in Place Concrete	30%	0-2	\$8,700	LIFE	**	5	\$4,200	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Ceramic Tile	5%			2042	**	5	\$300	
Quarry Tile	5%			2046	**	5	\$500	
Vinyl Tile	50%	Now	\$4,700	2038	**	3	\$1,200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
Wood	5%	0-2	\$10,100	2061	**	5	\$300	
<i>Deteriorated Finish, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : Locker Rooms</i>								
Interior Walls								
Ceramic Tile	10%			2042	**	5	\$300	
Gypsum Board	5%			LIFE	**	5-10	\$200	
Masonry: Brick	30%			LIFE	**	10	\$300	
Plaster	20%	0-2	\$1,500	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
SGFT/Glazed Masonry	30%	0-2	\$4,100	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
Wood	5%			LIFE	**	5	\$1,100	
Ceilings								
AcousTileSusp.Lay-In	5%	Now	\$600	2046	**	5	\$200	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Toilets</i>								
AcousTileSusp.Lay-In	10%			2046	**	5	\$600	
Embossed Metal	45%	Now	\$32,300	LIFE	**	5	\$1,300	
<i>Broken/Missing Elements, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : 2nd Floor</i>								
Exposed Struc: Steel	25%			LIFE	**	10	\$3,200	
Plaster	15%	Now	\$3,100	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain Link	50%			2053	**			
Wood	50%	0-2	\$5,100	2034	**			
<i>Broken/Missing Elements, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057**SQUAD 252****Asset # : 13142**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Enclosure

Free Standing Walls

Cast in Place Concrete	100%			2068	**			
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2038	**			
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Parking/Driveway

Asphalt	80%	Now	\$42,600	2042	**			
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*Cracking/Crumbling, Extent : Severe, Area Affected : 10%**Location : Throughout Parking Area*

Cast in Place Concrete	20%			2046	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2033	\$16,200	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 200 Ampere Main Disconnect Switch*

Switchgear / Switchboard

Molded Case Bkrs	100%			2033	\$69,700	5	\$100	
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Raceway

Conduit	20%			2053	**	1		
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Conduit	80%			2033	\$31,600	1		
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Panelboards

Fused Disc Sw	5%			2032	\$2,700	5		
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Molded Case Bkrs	20%			2032	\$10,600	5		
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Molded Case Bkrs	75%			2049	**	5	\$100	
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Wiring

Thermoplastic	25%			2033	\$8,900	1		
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Thermoplastic	75%			2053	**	1		
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Motor Controllers

Locally Mounted	100%			2031	\$19,500	5		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Stand-by Power

Transfer Switches

Automatic	100%			2046	**	1	\$1,400	
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Generators

Diesel	100%			2046	**	1	\$1,700	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside**Explanation : One 60 Kilowatts*

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SQUAD 252
Asset # : 13142

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Batteries								
Lead/Acid	100%			2027	\$2,600	5	\$200	
Fuel Storage								
Day Tank	100%			2049	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside Generator Area</i>								
<i>Explanation : One 125 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent	85%			2038	**	10	\$3,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	5%			2038	**	10	\$200	
<i>Compact Fluorescent Light, Extent : Light, Area Affected : 100%</i>								
<i>Location : First Floor Waiting Area</i>								
LED	10%			2041	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Second Floor Locker Room</i>								
<i>Explanation : LED Lighting</i>								
Egress Lighting								
Emergency, Service	60%			2038	**	1		
Exit, Service	40%			2038	**	1		
Exterior Lighting								
LED	20%			2038	**			
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2053	**	1		
Conversion Equipment								
Steam Boiler	100%			2046	**	1	\$4,400	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : 1 Unit</i>								
Distribution								
Steam Piping/Pump	100%			2053	**			
Terminal Devices								
Convactor/Radiator	100%			2038	**	1	\$1,500	
Air Conditioning								
Energy Source								
Electricity	100%			2049	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SQUAD 252
Asset # : 13142

Mechanical System Component Type	Current Repair		Future Replacement		Maintenance		Priority
	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning							
Conversion Equipment							
Split Unit	25%		2041	**			
Window/Wall Unit	60%		2028	\$10,900	1		
Window/Wall Unit	10%		2031	\$1,800	1		
No Component	5%						
Ventilation							
Distribution							
Ductwork/Diffusers	20%		LIFE	**	2-5	\$800	
No Component	80%						
Exhaust Fans							
Roof	20%		2038	**	2		
No Component	80%						
Plumbing							
H/C Water Piping							
Brass/Copper	100%		2053	**	1		
			<i>No Water Meter, Extent : Light, Area Affected : 100%</i>				
			<i>Location : Basement</i>				
Water Heater With Tanks							
Gas Fired	100%		2031	\$36,600	2		
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
			<i>Location : Basement</i>				
			<i>Explanation : Two 74 Gallon Units</i>				
Sanitary Piping							
Cast Iron	100%		LIFE	**	1		
Storm Drain Piping							
Cast Iron	100%		LIFE	**	1		
Sump Pump(s)							
Submersible	100%		2027	\$100	4	\$100	
			<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
			<i>Location : Basement</i>				
			<i>Explanation : 2 Sets</i>				
Fixtures							
Generic	100%						
Fire Suppression							
Chemical System							
Generic	100%		2031	\$87,500	1-3	\$74,400	
			<i>Other Observation, Extent : Light, Area Affected : 2%</i>				
			<i>Location : 1st Floor Kitchen</i>				
			<i>Explanation : Over Stove</i>				

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : SQUAD 270
Address : 91-45 121ST STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSSQU.270 / 14076 **Yr Built/Renovated** : 1913 / 2016
Area Sq Ft : 16,052 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Feb-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 9375 **Lot** : 7 **BIN** : 4196913

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$108,500	
Interior Architecture	\$245,700	
Electrical	\$13,600	\$133,800
Mechanical		\$139,700
Total	\$367,800	\$273,500
Importance Code A	\$108,500	\$63,500
Importance Code B	\$259,300	\$210,000
Total	\$367,800	\$273,500

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$65,100	\$3,300		\$3,000
Interior Architecture	\$94,600	\$4,000	\$400	\$500
Electrical	\$1,200	\$3,900	\$1,300	\$15,100
Mechanical	\$7,300	\$14,300	\$2,900	\$14,400
Total	\$168,200	\$25,500	\$4,700	\$32,900
Importance Code A	\$66,300	\$4,500	\$1,200	\$4,400
Importance Code B	\$70,900	\$21,000	\$3,100	\$28,600
Importance Code C	\$31,000		\$400	
Total	\$168,200	\$25,500	\$4,700	\$32,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SQUAD 270
Asset # : 14076

Architecture	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	82%	Now	\$108,500	LIFE	**	5	\$13,500	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : North And South And East Facades, Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 40%</i>								
<i>Location : North And South And East Facades, Throughout</i>								
Masonry: Granite	5%	Now	\$12,700	LIFE	**	5	\$600	
<i>Worn/Eroded, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Facade</i>								
Masonry: Limestone	5%	Now	\$6,300	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : West Facade</i>								
Wood Overhead Doors	8%			2045	**	5	\$6,600	
Windows								
Aluminum	100%	Now	\$29,400	2048	**	5	\$1,600	
<i>Air Infiltration, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second Floor Bunk Room</i>								
Parapets								
Masonry: Brick	18%	Now	\$16,700	LIFE	**	5	\$300	
<i>Water Penetration, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Set Back Roof, Back Of Building.</i>								
Metal Panel	7%			2042	**	5	\$400	
Not Accessible	75%							
<i>Other Observation, Extent : N/A, Area Affected : 0%</i>								
<i>Location : Third Floor Roof</i>								
<i>Explanation : No Access To Third Floor Roof.</i>								
Roof								
Modified Bitumen	20%			2037	**	10	\$2,800	
Not Accessible	80%							
<i>Other Observation, Extent : N/A, Area Affected : 0%</i>								
<i>Location : Third Floor Roof, Main Roof</i>								
<i>Explanation : No Access To Third Floor Roof.</i>								
Interior								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SQUAD 270
Asset # : 14076

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior								
Floors								
Cast in Place Concrete	35%	Now	\$69,900	LIFE	**	5	\$18,400	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Apparatus Floor</i>								
<i>Deflection Evident, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%			2045	**	5	\$1,200	
Ceramic Tile	17%			2045	**	5	\$4,100	
Quarry Tile	5%			2045	**	5	\$1,800	
Terrazzo	8%			LIFE	**	5	\$1,500	
Vinyl Tile	15%	Now	\$29,200	2042	**	3	\$1,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : First And Third Floor, District Office 13.</i>								
Vinyl Tile	15%			2040	**	3	\$1,400	
<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Second And Third Floor Division 13</i>								
Interior Walls								
Ceramic Tile	5%			2041	**	5	\$800	
Concrete Masonry Unit	10%	Now	\$2,900	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Gypsum Board	40%			LIFE	**	5	\$3,800	
<i>Recent Installation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Second And Third Floors Division 13</i>								
Masonry: Brick	15%	Now	\$22,300	LIFE	**			
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Basement</i>								
Plaster	30%	Now	\$5,700	LIFE	**	5	\$1,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : First And Third Floor, District Office 13, 1st Floor Squad 270</i>								

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FIRE DEPARTMENT - 057**SQUAD 270****Asset # : 14076**

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileSusp.Lay-In	30%	4+	\$2,300	2049	**	5	\$3,600	
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Staining/Discoloring, Extent : Light, Area Affected : 5%
Location : Divison 13. Second And Third Floor

Exposed Struc: Concrete	25%	Now	\$175,800	LIFE	**	5	\$900	
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Cracking/Crumbling, Extent : Severe, Area Affected : 25%
Location : Basement
Exposed Reinforcement, Extent : Severe, Area Affected : 25%
Location : Basement
Other Observation, Extent : Severe, Area Affected : 100%
Location : Basement
Explanation : Temporary Support Present

Plaster	45%	Now	\$32,100	LIFE	**	5	\$6,800	
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Cracking/Crumbling, Extent : Moderate, Area Affected : 20%
Location : Third Floor, District Office 13
Paint Peeling, Extent : Moderate, Area Affected : 20%
Location : Third Floor, District Office 13 And Stairs
Water Penetration, Extent : Moderate, Area Affected : 30%
Location : Third Floor, District Office 13

Site Pavements

Parking/Driveway

Cast in Place Concrete	100%			2037	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2032	\$63,500	5	\$400	
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Other Observation, Extent : N/A, Area Affected : 100%
Location : Basement

Explanation : Main Service Disconnect Switch Rated At 500 Amperes.

Switchgear / Switchboard

Fused Disc Sw	100%			2032	\$63,500	5	\$100	
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Raceway

Conduit	70%			2032	\$25,200	1		
Conduit	30%			2052	**	1		

Panelboards

Fused Disc Sw	20%			2031	\$9,700	5	\$100	
Molded Case Bkrs	50%			2031	\$24,200	5	\$200	
Molded Case Bkrs	30%			2048	**	5	\$100	

Wiring

Thermoplastic	70%			2032	\$22,800	1		
Thermoplastic	30%			2052	**	1		

Motor Controllers

Locally Mounted	100%			2030	\$17,800	5	\$100	
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FIRE DEPARTMENT - 057
SQUAD 270
Asset # : 14076

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ground								
Grounding Devices Generic	100%			LIFE	**	5	\$200	
Stand-by Power								
Transfer Switches Automatic	100%			2037	**	1	\$4,900	
Generators Diesel	100%			2035	**	1	\$6,200	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Backyard</i>						
		<i>Explanation : Emergency Generator Rated At 60 Kilowatts</i>						
Batteries Lead/Acid	100%			2025	\$2,400	5	\$600	
Fuel Storage Main Tank	100%			2047	**	5		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Backyard</i>						
		<i>Explanation : 50 Gallons Rated Capacity</i>						
Lighting								
Interior Lighting Fluorescent	70%			2037	**	10	\$10,300	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : 1st, 2nd, 3rd Floor Division Office</i>						
		<i>Explanation : T-8 Lamps</i>						
Fluorescent	10%			2027	\$13,600	10	\$1,500	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : 3rd Floor District Office</i>						
		<i>Explanation : T-8 Lamps</i>						
Fluorescent	5%			2032	\$6,800	10	\$700	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : 1st Floor Kitchen, Lounge</i>						
		<i>Explanation : Compact Fluorescent Lights</i>						
LED	15%			2037	**			
Egress Lighting								
Emergency, Battery	50%			2037	**	10	\$1,900	
Exit, Service	50%			2037	**	1		
Exterior Lighting								
HID	10%			2032	\$7,300	10		
LED	10%			2037	**			
No Component	80%							
Alarm								
Security System No Component	90%							
Generic	10%			2032	\$2,900	1	\$600	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Front Of The Building</i>						
		<i>Explanation : CCTV Surveillance Cameras</i>						

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FIRE DEPARTMENT - 057
SQUAD 270
Asset # : 14076

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2042	**	1		
Conversion Equipment								
Hot Water Boiler	50%			2037	**	1	\$4,000	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						
Steam Boiler	50%			2049	**	1	\$8,000	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 1 Unit</i>						
Distribution								
Hot Wtr Piping/Pump	50%			2031	\$17,100	4	\$400	
Steam Piping/Pump	50%			2032	\$62,800			
Terminal Devices								
Convactor/Radiator	60%			2030	\$76,900	1	\$3,100	
Convactor/Radiator	20%			2045	**	1	\$1,000	
No Component	20%							
Air Conditioning								
Energy Source								
Electricity	100%			2040	**	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%			2032	\$34,400	2	\$200	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : 3rd Floor Roof</i>						
		<i>Explanation : 1 Unit. R-134. Serves Half Of The 2nd Floor.</i>						
Split Unit	20%			2040	**			
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : 3rd Floor Roof</i>						
		<i>Explanation : 1 Unit. R-410a. Serves Half Of The 2nd Floor.</i>						
Window/Wall Unit	20%			2025	\$11,900	1		
Window/Wall Unit	20%			2030	\$11,900	1		
No Component	20%							
Terminal Devices								
Fan Coil - 2 Pipe	20%			2040	**	1	\$1,000	
No Component	80%							
Heat Rejection								
Air Cooled Condenser Unit	20%			2040	**	2	\$2,200	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	30%			LIFE	**	2-5	\$2,700	
Ductwork/Diffusers	20%			LIFE	**	2-5	\$1,800	
No Component	50%							

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FIRE DEPARTMENT - 057
SQUAD 270
Asset # : 14076

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Ventilation								
Exhaust Fans								
Interior	20%			2040	**	2	\$100	
Roof	25%			2040	**	2	\$100	
Wall Unit	15%	0-2	\$1,000	2042	**	2	\$100	
		<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
		<i>Location : Apparatus Floor</i>						
		<i>Explanation : On Extended Life Time</i>						
No Component	40%							
Plumbing								
H/C Water Piping								
Brass/Copper	75%			2042	**	1		
Brass/Copper	25%			2058	**	1		
Water Heater With Tanks								
Electric	50%			2027	\$11,500	4		
Gas Fired	50%			2030	\$8,300	2		
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : 2 Units</i>						
Sanitary Piping								
Cast Iron	100%	0-2	\$4,000	LIFE	**	1		
		<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>						
		<i>Location : Front Of Basement</i>						
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2025	\$500	4	\$500	
Fixtures								
Generic	50%							
Generic	50%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2027	\$800	1-3	\$800	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : 1st Floor Kitchen</i>						
		<i>Explanation : 1 Set</i>						

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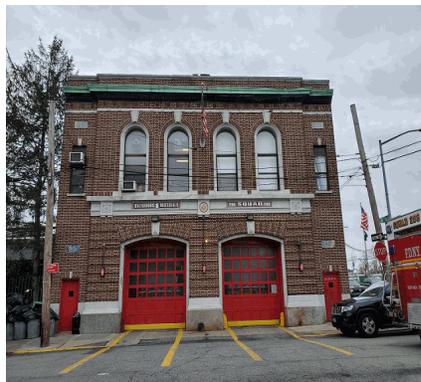
Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : SQUAD 288 HAZARDOUS MATERIAL UNIT
Address : 56-29 68th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.288 / 13174 **Yr Built/Renovated** : 1913 /
Area Sq Ft : 8,800 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-Jan-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2395 **Lot** : 4 **BIN** : 4055348

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$782,400	
Interior Architecture	\$52,100	
Mechanical		\$70,300
Total	\$834,500	\$70,300
Importance Code A	\$782,400	
Importance Code B	\$52,100	\$70,300
Total	\$834,500	\$70,300

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$73,100		\$2,500	
Interior Architecture	\$129,100	\$400		\$500
Electrical	\$17,000		\$2,400	\$100
Mechanical	\$28,200	\$1,300	\$18,700	\$1,400
Site Enclosure	\$9,900			
Site Pavements	\$400			
Total	\$257,700	\$1,700	\$23,600	\$1,900
Importance Code A	\$83,800	\$900	\$3,300	\$900
Importance Code B	\$126,600	\$500	\$20,300	\$1,000
Importance Code C	\$47,300	\$400		
Total	\$257,700	\$1,700	\$23,600	\$1,900



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 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
SQUAD 288 HAZARDOUS MATERIAL UNIT
Asset # : 13174

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	5%	Now	\$11,500	LIFE	**	5	\$4,900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : South Facade</i>								
<i>Recent Repair Evident, Extent : N/A, Area Affected : 100%</i>								
<i>Location : South Facade</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 25%</i>								
<i>Location : South Facade</i>								
Copper/Terne	2%	Now	\$41,400	2081	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Cornice At Front</i>								
<i>Deformed/Dented, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Cornice At Front Facade</i>								
<i>Seams Open/Split, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Cornice At Front Facade</i>								
Masonry: Brick	80%	Now	\$507,900	LIFE	**	5	\$15,800	1
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 75%</i>								
<i>Location : North, South And East Facades</i>								
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : North, South And East Facades</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 30%</i>								
<i>Location : All Facades</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 15%</i>								
<i>Location : All Painted Facades</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 90%</i>								
<i>Location : All Facades Except Front Facade</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 15%</i>								
<i>Location : North, South And East Facades</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Throughout Second Floor And Basement</i>								
Masonry: Granite	3%			LIFE	**	5	\$400	
Masonry: Limestone	5%	Now	\$15,200	LIFE	**	5	\$700	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Front Facade</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Front Facade</i>								
Wood Overhead Doors	5%			2036	**	5	\$4,900	
Windows								
Aluminum	100%	Now	\$103,400	2056	**	5	\$1,100	
<i>Crack/Balnc Not Funct, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 50%</i>								
<i>Location : Second Floor Windows At Openings</i>								

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FIRE DEPARTMENT - 057
SQUAD 288 HAZARDOUS MATERIAL UNIT
Asset # : 13174

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Parapets								
Cast Stone/Terra Cotta	10%	Now	\$4,400	LIFE	**	5	\$1,900	
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 25%</i>								
<i>Location : Throughout</i>								
Masonry: Brick	85%	Now	\$52,400	LIFE	**	5	\$2,100	1
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 35%</i>								
<i>Location : Throughout</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 15%</i>								
<i>Location : All Parapets</i>								
Pre-Cast Concrete	5%	Now	\$500	LIFE	**	5	\$800	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Coping At Main Roof</i>								
Roof								
Modified Bitumen	100%	Now	\$118,700	2041	**			
<i>Alligatoring, Extent : Severe, Area Affected : 25%</i>								
<i>Location : At Seams</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : All Roofs At Parapets</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 15%</i>								
<i>Location : All Pitchpockets Are Failed</i>								
<i>Other Observation, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Explanation : Caulk At Flashing</i>								
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$49,300	LIFE	**	5	\$13,000	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : Apparatus Floor</i>								
<i>Other Observation, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Steel Columns Shoring Up Apparatus Room Floor From Basement</i>								
Ceramic Tile	10%	Now	\$1,300	2040	**	5	\$600	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Kitchen</i>								
Quarry Tile	5%			2044	**	5	\$900	
Terrazzo	3%	0-2	\$1,600	LIFE	**	5	\$300	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Stairwell</i>								
Vinyl Tile	32%	Now	\$20,500	2036	**	3	\$1,400	
<i>Worn/Eroded, Extent : Severe, Area Affected : 50%</i>								
<i>Location : 2nd Floor</i>								

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FIRE DEPARTMENT - 057
SQUAD 288 HAZARDOUS MATERIAL UNIT
Asset # : 13174

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Cast in Place Concrete	5%	Now	\$6,100	LIFE		**		
<i>Water Penetration, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Front Wall Near Electrical Panels</i>								
Ceramic Tile	20%	Now	\$17,500	2034		**	5	\$1,600
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout Apparatus Room</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Apparatus Floor</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Apparatus Floor</i>								
Ceramic Tile	5%			2040		**	5	\$800
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : First And Second Floor</i>								
<i>Explanation : Kitchen And Bathrooms</i>								
Gypsum Board	15%	Now	\$700	LIFE		**	5	\$1,500
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Second Floor Windows</i>								
Masonry: Brick	30%	Now	\$18,200	LIFE		**		
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Plaster	25%	Now	\$4,800	LIFE		**	5	\$1,200
<i>Deteriorated Finish, Extent : Severe, Area Affected : 70%</i>								
<i>Location : 2nd Floor Stair</i>								
<i>Paint Peeling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : 2nd Floor Stair</i>								
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : At Windows Throughout</i>								

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FIRE DEPARTMENT - 057
SQUAD 288 HAZARDOUS MATERIAL UNIT
Asset # : 13174

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	35%	0-2	\$3,400	2036	**	5	\$2,100	
<i>Misaligned/Bulging, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Second Floor</i>								
Exposed Struc: Concrete	30%	Now	\$52,100	LIFE	**	5	\$600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Basement Ceiling</i>								
<i>Exposed Reinforcement, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Below Watch Area</i>								
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Below Watch Area And Basement</i>								
<i>Explanation : Large Chunks Of Concrete Have Fallen, Exposing Reinforcing</i>								
Plaster	15%	Now	\$5,300	LIFE	**	5	\$1,100	
<i>Paint Peeling, Extent : Severe, Area Affected : 60%</i>								
<i>Location : 2nd Floor Stair</i>								
<i>Worn/Eroded, Extent : Severe, Area Affected : 30%</i>								
<i>Location : 2nd Floor Stair; Scuttle To Roof</i>								
Under Construction	20%							
Site Enclosure								
Retaining Walls								
Cast in Place Concrete	40%	Now	\$1,400	2066	**			
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Steel Post Struts To Brace Retaining Wall Are Rusted And Failing</i>								
Masonry: Brick	60%	Now	\$8,500	2041	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>								
<i>Location : North Wall</i>								
<i>Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%</i>								
<i>Location : North Wall</i>								
Site Pavements								
Public Sidewalk								
Asphalt	10%	Now	\$400	2040	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 30%</i>								
<i>Location : Apron</i>								
Cast in Place Concrete	90%			2044	**			
On-Site Walkways								
Cast in Place Concrete	100%			2044	**			
Parking/Driveway								
Cast in Place Concrete	100%			2044	**			
Electrical								
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								

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FIRE DEPARTMENT - 057
SQUAD 288 HAZARDOUS MATERIAL UNIT
Asset # : 13174

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%	0-2	\$3,200	2051	**	5	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 200 Ampere Main Disconnect Witch</i>								
Raceway								
Conduit	70%			2031	\$25,200	1		
Conduit	30%			2051	**	1		
Panelboards								
Fused Disc Sw	5%			2030	\$2,400	5		
Fused Knife Sw	15%	2-4	\$7,300	2056	**	5		
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : First Floor</i>								
Molded Case Bkrs	60%			2047	**	5	\$100	
Molded Case Bkrs	20%			2030	\$9,700	5		
Wiring								
Braided Cloth	20%	2-4	\$6,500	2056	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement And First Floor</i>								
Thermoplastic	60%			2051	**	1		
Thermoplastic	20%			2031	\$6,500	1		
Motor Controllers								
Locally Mounted	100%			2029	\$17,800	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$100	
Lighting								
Interior Lighting								
Fluorescent	30%			2036	**	10	\$2,400	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 70%</i>								
<i>Location : Basement</i>								
LED	70%			2039	**			
Egress Lighting								
Exit, Service	50%			2036	**	1		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : 2nd Floor</i>								
<i>Explanation : Exit Fixture Observed</i>								
No Component	50%							
Exterior Lighting								
HID	100%			2036	**	10		

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Heating

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FIRE DEPARTMENT - 057
SQUAD 288 HAZARDOUS MATERIAL UNIT
Asset # : 13174

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2041	**	1		
Conversion Equipment								
Steam Boiler	100%	0-2	\$7,500	2036	**	1	\$7,800	
<i>Other Observation, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Boiler</i>								
<i>Explanation : The Back Portion Is Rusted Out Due To Leak Above. Chimney Hatch Has Also Rusted Off Hinges.</i>								
Distribution								
Steam Piping/Pump	100%	Now	\$1,400	2041	**			
<i>Leak Evident, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Steam Pipe Rusted And Leaks Above Boiler</i>								
Terminal Devices								
Convactor/Radiator	100%			2029	\$70,300	1	\$2,800	
Air Conditioning								
Energy Source								
Electricity	100%			2039	**	1		
Conversion Equipment								
Split Unit	30%	0-2	\$3,100	2036	**			
<i>Other Observation, Extent : Moderate, Area Affected : 50%</i>								
<i>Location : 2nd Floor Office, Conference Room And Kitchen</i>								
<i>Explanation : R-410a. 6 Units On Lower Roof. 3 Are Inefficient Units.</i>								
Window/Wall Unit	30%			2024	\$9,800	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	30%			2036	**	1	\$900	
No Component	70%							
Heat Rejection								
Air Cooled Condenser Unit	30%			2036	**	2	\$1,800	
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	50%			LIFE	**	2-5	\$2,500	
No Component	50%							
Exhaust Fans								
Roof	30%	0-2	\$300	2031	\$5,000	2	\$100	
<i>Not in Service, Extent : Moderate, Area Affected : 70%</i>								
<i>Location : 2 Out Of 3 Units, Roof</i>								
Wall Unit	30%	0-2	\$1,100	2041	**	2	\$100	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Apparatus Floor</i>								
<i>Explanation : Absolute Units</i>								
No Component	40%							
<i>Other Observation, Extent : Light, Area Affected : 0%</i>								
<i>Location :</i>								
<i>Explanation : No Exhaust Fan For Bathrooms</i>								

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FIRE DEPARTMENT - 057
SQUAD 288 HAZARDOUS MATERIAL UNIT
Asset # : 13174

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
H/C Water Piping	Brass/Copper	100%			2041	* *	1		
Water Heater With Tanks	Gas Fired	100%	0-2	\$300	2026	\$16,700	2		
<i>Corroded, Extent : Moderate, Area Affected : 30%</i>									
<i>Location : Basement</i>									
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : Two 75 Gallon Units</i>									
Sanitary Piping	Cast Iron	100%	0-2	\$2,200	LIFE	* *	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Basement</i>									
Storm Drain Piping	Cast Iron	100%	0-2	\$600	LIFE	* *	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Roof</i>									
Sump Pump(s)	Submersible	100%			2024	\$300	4	\$300	
Fixtures									
	Generic	100%							
Fire Suppression									
Chemical System	No Component	99%							
	Generic	1%			2024	\$800	1-3	\$800	

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Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : SQUAD 41
Address : 330 EAST 150th STREET
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.041 / 13029 **Yr Built/Renovated** : 1903 / 2003
Area Sq Ft : 7,125 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-Oct-2019 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3,4
Block : 2331 **Lot** : 33 **BIN** : 2000930

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$224,500	\$78,100
Mechanical		\$72,500
Total	\$224,500	\$150,600
Importance Code A	\$224,500	\$78,100
Importance Code B		\$72,500
Total	\$224,500	\$150,600

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$66,500			
Interior Architecture	\$52,100	\$300	\$100	\$500
Electrical	\$600	\$600	\$10,400	\$600
Mechanical	\$37,000	\$1,700	\$20,900	\$1,500
Site Enclosure	\$4,000			
Site Pavements	\$14,400			
Total	\$174,500	\$2,500	\$31,300	\$2,600
Importance Code A	\$67,200	\$700	\$700	\$700
Importance Code B	\$58,200	\$1,800	\$30,600	\$1,900
Importance Code C	\$49,200			
Total	\$174,500	\$2,500	\$31,300	\$2,600



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FIRE DEPARTMENT - 057

SQUAD 41

Asset # : 13029

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	4+	\$224,500	LIFE	**	5	\$25,400	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 3%</i>								
<i>Location : South Facade</i>								
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Painted Surfaces, Extent : Severe, Area Affected : 75%</i>								
<i>Location : Side And Rear Walls</i>								
<i>Spalling, Extent : Light, Area Affected : 1%</i>								
<i>Location : South Facade</i>								
Masonry: Granite	3%			LIFE	**	5	\$700	
Masonry: Limestone	12%			LIFE	**	5	\$2,900	
Metal Sect. OHD	5%			2044	**	5	\$5,000	
Windows								
Aluminum	100%	4+	\$1,100	2047	**	5	\$500	
<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Interior Wood Trim</i>								
<i>Explanation : Dry Rot</i>								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,900	
Masonry: Brick	85%			LIFE	**	5	\$2,000	
<i>Paint Peeling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Parapet Walls</i>								
<i>Painted Surfaces, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Parapet</i>								
<i>Spalling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Main Roof</i>								
Metal Cornice	5%			2059	**	10	\$400	
Roof								
Modified Bitumen	95%	4+	\$31,200	2031			\$78,100	
<i>Blisters, Extent : Light, Area Affected : 30%</i>								
<i>Location : Main Roof And Upper Roof</i>								
<i>Ponding, Extent : Light, Area Affected : 30%</i>								
<i>Location : Main Roof And Upper Roof</i>								
<i>Worn/Eroded, Extent : Moderate, Area Affected : 60%</i>								
<i>Location : Lower And Main Roof</i>								
Skylight, Metal/Glass	5%	Now	\$31,700	2051	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 25%</i>								
<i>Location : On Main Roof</i>								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$11,700	
Ceramic Tile	5%			2040	**	5	\$500	
Quarry Tile	5%			2044	**	5	\$800	
Vinyl Tile	35%			2036	**	3	\$1,900	
Wood	5%			2059	**	5	\$1,000	

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FIRE DEPARTMENT - 057

SQUAD 41

Asset #: 13029

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	2%			2034	**	5	\$400	
Gypsum Board	5%			LIFE	**	5	\$600	
Masonry: Brick	15%	0-2	\$11,900	LIFE	**			
<i>Spalling, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Basement At Front</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Basement, Kitchen Area</i>								
Plaster	53%	4+	\$13,400	LIFE	**	5	\$3,100	
<i>Paint Peeling, Extent : Light, Area Affected : 4%</i>								
<i>Location : 3rd Floor Bedroom</i>								
SGFT/Glazed Masonry	25%	0-2	\$9,400	LIFE	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apparatus Floor</i>								
Ceilings								
AcousTileSusp.Lay-In	2%			2036	**	5	\$200	
AcousTileSusp.Lay-In	3%			2048	**	5	\$300	
<i>Recent Installation, Extent : N/A, Area Affected : 3%</i>								
<i>Location : 2nd Floors</i>								
Embossed Metal	70%	4+	\$4,800	LIFE	**	5	\$3,400	
<i>Paint Peeling, Extent : Moderate, Area Affected : 2%</i>								
<i>Location : 1st Floor</i>								
<i>Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%</i>								
<i>Location : 4th Floor Ceiling</i>								
Exposed Struc: Concrete	23%			LIFE	**	5	\$400	
Exposed Struc: Steel	2%	2-4	\$11,000	LIFE	**			
<i>Corrosion/Rusting, Extent : Severe, Area Affected : 15%</i>								
<i>Location : Front Of Basement Under Overhead Door</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	4+	\$4,000	2041	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Parking Lot Entrance Gates</i>								
Free Standing Walls								
Masonry: Brick	100%			2041	**			
Retaining Walls								
Cast in Place Concrete	100%			2051	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	\$4,100	2044	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Front Of Building On 150th Street</i>								

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FIRE DEPARTMENT - 057

SQUAD 41

Asset # : 13029

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

Parking/Driveway

Asphalt

80% 2-4 \$10,300 2034 **

*Cracking/Crumbling, Extent : Moderate, Area Affected : 50%**Location : Parking Area*

Cast in Place Concrete

20% 2036 **

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw

100% 2051 ** 5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Main Service Disconnect Switch Rated At 200 Amperes.*

Switchgear / Switchboard

Molded Case Bkrs

100% 2051 ** 5 \$200

Raceway

Conduit

70% 2031 \$27,600 1

Conduit

30% 2051 ** 1

Panelboards

Molded Case Bkrs

70% 2039 ** 5 \$100

Molded Case Bkrs

30% 2047 ** 5 \$100

Wiring

Thermoplastic

30% 2051 ** 1

Thermoplastic

70% 2041 ** 1

Motor Controllers

Locally Mounted

100% 2036 ** 5

Ground

Grounding Devices

Generic

100% LIFE ** 5 \$100

Stand-by Power

Transfer Switches

Automatic

100% 2048 ** 1 \$2,200

Generators

Diesel

100% 2044 ** 1 \$2,800

*Other Observation, Extent : Light, Area Affected : 100%**Location : Side Yard**Explanation : Emergency Generator Rated At 60 Kilowatts*

Batteries

Lead/Acid

100% 2026 \$2,600 5 \$300

Fuel Storage

Main Tank

100% 2066 ** 5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Side Yard**Explanation : 120 Gallons Rated Capacity*

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FIRE DEPARTMENT - 057
SQUAD 41
Asset # : 13029

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Lighting								
Interior Lighting Fluorescent	60%			2036	**	10	\$3,900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement, 1st Floor, 3rd Floor</i>								
<i>Explanation : T-8 Lamps</i>								
Fluorescent	2%			2036	**	10	\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Compact Fluorescent Light</i>								
Incandescent	3%			2026	\$2,800	2		
LED	35%			2039	**			
Egress Lighting								
Emergency, Service	80%			2039	**	1		
Exit, LED	20%			2066	**	1		
Exterior Lighting								
HID	30%			2036	**	10		
No Component	70%							
Alarm								
Security System								
No Component	70%							
Generic	30%			2036	**	1	\$800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front And Side Yard</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								
Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source Natural Gas	100%	0-2	\$100	2041	**	1		
<i>Corroded, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Basement</i>								
Conversion Equipment Steam Boiler	100%			2036	**	1	\$7,100	
Distribution Central Plant Steam Piping/Pmp	100%			2041	**	4	\$500	
Terminal Devices Convactor/Radiator	100%			2036	**	1	\$2,300	
Air Conditioning								
Energy Source Electricity	100%			2047	**	1		

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FIRE DEPARTMENT - 057
SQUAD 41
Asset # : 13029

Mechanical	Current Repair			Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Air Conditioning								
Conversion Equipment Split Unit	40%	Now	\$14,500	2031	\$72,500			
	<i>Malfunctioning, Extent : Severe, Area Affected : 100%</i>							
	<i>Location : Split Unit At The Kitchen Is Malfunctioning</i>							
Window/Wall Unit	50%			2024	\$14,500	1		
No Component	10%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	**	2-5	\$800	
No Component	80%							
Exhaust Fans								
Interior	25%			2031	\$8,500	2	\$100	
Wall Unit	25%			2031	\$800	2	\$100	
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	**	1		
Water Heater With Tanks								
Gas Fired	100%			2026	\$18,300	2		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : One 75 Gallon Unit</i>							
Sanitary Piping								
Cast Iron	70%			LIFE	**	1		
Cast Iron	30%	2-4	\$2,900	LIFE	**	1		
	<i>Corroded, Extent : Moderate, Area Affected : 30%</i>							
	<i>Location : Basement</i>							
Storm Drain Piping								
Cast Iron	80%			LIFE	**	1		
Cast Iron	20%	2-4	\$3,200	LIFE	**	1		
	<i>Corroded, Extent : Moderate, Area Affected : 30%</i>							
	<i>Location : Basement</i>							
	<i>Leak Evident, Extent : Moderate, Area Affected : 50%</i>							
	<i>Location : Basement: Water Infiltration Causes Corrosion On Piping At Basement</i>							
Sump Pump(s)								
Submersible	100%	Now		2024	\$200	4	\$200	
	<i>Malfunctioning, Extent : Moderate, Area Affected : 20%</i>							
	<i>Location : Basement. Sump Pump Not Operational</i>							
Backflow Preventer								
No Component	95%							
Generic	5%			2036	**	1		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Serves Boiler Only</i>							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057

SQUAD 41

Asset # : 13029

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Plumbing								
Fixtures								
Generic	100%							
		<i>Other Observation, Extent : Light, Area Affected : 50%</i>						
		<i>Location : Bathrooms</i>						
		<i>Explanation : New Toilets Installed In The Last Two Years</i>						
Fire Suppression								
Chemical System								
Wet	10%			2029	\$8,700	1-3	\$8,300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Ansul System Serves Cooking Area</i>						
No Component	90%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : SQUAD 61
Address : 1518 WILLIAMSBRIDGE ROAD BTWN EASTCHESTER RD - POPLAR ST
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.061 / 13049 **Yr Built/Renovated** : 1929 /
Area Sq Ft : 6,440 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-Nov-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 4082 **Lot** : 11 **BIN** : 2044205

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Exterior Architecture	\$135,800	
Total	\$135,800	
Importance Code A	\$135,800	
Total	\$135,800	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Exterior Architecture	\$41,700	\$3,300		
Interior Architecture	\$15,500	\$3,500	\$1,100	
Electrical	\$500	\$500	\$3,000	\$9,900
Mechanical	\$14,200	\$14,100	\$2,000	\$3,200
Site Enclosure	\$1,200			
Site Pavements	\$6,400			
Total	\$79,600	\$21,400	\$6,100	\$13,100
Importance Code A	\$47,200	\$3,900	\$600	\$700
Importance Code B	\$23,600	\$17,500	\$4,800	\$12,500
Importance Code C	\$8,800		\$600	
Total	\$79,600	\$21,400	\$6,100	\$13,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057

SQUAD 61

Asset #: 13049

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%			2052	**	10	\$300	
Masonry: Brick	75%	2-4	\$63,500	LIFE	**	5	\$15,800	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Side Facades</i>								
<i>Painted Surfaces, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Side And Rear Facade</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Rear Yard Facade</i>								
Masonry: Limestone	10%	0-2	\$24,300	LIFE	**	5	\$1,600	
<i>Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%</i>								
<i>Location : Throughout</i>								
Metal Sect. OHD	10%			2045	**	5	\$6,600	
Windows								
Aluminum	100%	Now	\$1,900	2048	**	5	\$1,000	
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Hose Tower</i>								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$4,000	
Masonry: Brick	75%	0-2	\$72,300	LIFE	**	5	\$1,900	1
<i>Loose/Delam Surface, Extent : Severe, Area Affected : 10%</i>								
<i>Location : Throughout Parapet</i>								
<i>Misaligned/Bulging, Extent : Severe, Area Affected : 40%</i>								
<i>Location : Rear Facade</i>								
<i>Painted Surfaces, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Throughout</i>								
<i>Vertical Cracks, Extent : Severe, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Masonry: Limestone	5%	0-2	\$1,600	LIFE	**	5	\$200	
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>								
<i>Location : Parapet Coping Stones</i>								
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%</i>								
<i>Location : Parapet Coping Stones</i>								
Roof								
Modified Bitumen	95%	4+	\$8,300	2037	**			
<i>Water Penetration, Extent : Severe, Area Affected : 20%</i>								
<i>Location : Lower Roof</i>								
Skylight, Metal/Glass	5%	Now	\$5,600	2052	**			
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SQUAD 61
Asset # : 13049

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$7,300	LIFE	**	5	\$9,600	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 2%</i>								
<i>Location : Trench Drain On Apparatus Floor</i>								
Ceramic Tile	10%			2041	**	5	\$900	
Quarry Tile	10%			2045	**	5	\$1,300	
Vinyl Tile	25%			2037	**	3	\$800	
Wood	5%			2060	**	5	\$800	
Interior Walls								
Cast in Place Concrete	30%			LIFE	**			
Ceramic Tile	10%			2041	**	5	\$1,200	
Gypsum Board	5%			LIFE	**	5	\$400	
<i>Recent Repair Evident, Extent : Light, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Light, Area Affected : 5%</i>								
<i>Location : Throughout</i>								
Plaster	25%	Now	\$3,700	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Hose Tower, Throughout</i>								
SGFT/Glazed Masonry	30%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	50%			2045	**	5	\$4,400	
Exposed Struc: Concrete	10%	Now	\$2,600	LIFE	**	5	\$100	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Basement</i>								
Exposed Struc: Steel	25%			LIFE	**			
Plaster	15%	Now	\$2,000	LIFE	**	5	\$800	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
<i>Water Penetration, Extent : Moderate, Area Affected : 30%</i>								
<i>Location : Throughout</i>								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$1,200	2052	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Throughout</i>								
<i>Corrosion/Rusting, Extent : Moderate, Area Affected : 15%</i>								
<i>Location : Throughout</i>								
<i>Impact Damage, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Front Gate</i>								
Site Pavements								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057

SQUAD 61

Asset # : 13049

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%	Now	\$2,600	2045		**		
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*Cracking/Crumbling, Extent : Severe, Area Affected : 5%**Location : Ramp Apron**Other Observation, Extent : Severe, Area Affected : 5%**Location : Sidewalk Bilco Door**Explanation : Water Penetration*

On-Site Walkways

Cast in Place Concrete	100%	0-2	\$1,800	2045		**		
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*Cracking/Crumbling, Extent : Light, Area Affected : 20%**Location : Throughout*

Parking/Driveway

Cast in Place Concrete	100%	0-2	\$2,100	2045		**		
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*Cracking/Crumbling, Extent : Light, Area Affected : 10%**Location : Throughout*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2032	\$14,700	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 200 Ampere Main Disconnect Switch*

Raceway

Conduit	80%			2032	\$28,800	1		
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Conduit	20%			2052	**	1		
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Panelboards

Fused Disc Sw	5%			2031	\$2,400	5		
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Molded Case Bkrs	40%			2031	\$19,400	5	\$100	
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Molded Case Bkrs	55%			2048	**	5	\$100	
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Wiring

Thermoplastic	30%			2032	\$9,800	1		
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Thermoplastic	70%			2052	**	1		
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Motor Controllers

Locally Mounted	100%			2030	\$17,800	5		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Stand-by Power

Transfer Switches

Automatic	100%			2045	**	1	\$2,000	
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
SQUAD 61
Asset # : 13049

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Stand-by Power								
Generators								
Diesel	100%			2041	**	1	\$2,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Outside</i>								
<i>Explanation : One 61 Kilovolt Ampere</i>								
Batteries								
Lead/Acid	100%			2026	\$2,400	5	\$200	
Fuel Storage								
Day Tank								
	50%			2048	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Generator Room Outside</i>								
<i>Explanation : One 60 Gallons</i>								
Main Tank								
	50%			2035	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 550 Gallons</i>								
Lighting								
Interior Lighting								
Fluorescent								
	60%			2037	**	10	\$3,500	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : 1st Floor And Basement</i>								
LED								
	40%			2040	**			
Egress Lighting								
Emergency, Service								
	30%			2037	**	1		
Emergency, Service								
	30%			2040	**	1		
Exit, LED								
	40%			2067	**	1		
Exterior Lighting								
HID								
	20%			2027	\$5,900	10		
No Component								
	80%							
Alarm								
Security System								
No Component								
	90%							
Generic								
	10%			2037	**	1	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Front Of The Building</i>								
<i>Explanation : CCTV Surveillance Cameras</i>								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Natural Gas	100%			2058	**	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057

SQUAD 61

Asset # : 13049

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment Steam Boiler	100%	0-2	\$5,500	2037	**	1	\$5,700	
<i>Malfunctioning, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Boiler Room. Unit Constantly Broke Down</i>								
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One Unit</i>								
Distribution Central Plant Steam Piping/Pmp	100%	0-2	\$3,500	2052	**	4	\$300	
<i>Insul. Deteriorating, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Piping Around The Boiler</i>								
<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>								
<i>Location : Leaking Fuel Piping For The Rig</i>								
Terminal Devices Convactor/Radiator	100%			2045	**	1	\$2,100	
Air Conditioning								
Energy Source Electricity	100%			2054	**	1		
Conversion Equipment Split Unit	10%	0-2	\$1,500	2037	**			
<i>Leak Evident, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st And 2nd Floor. Leaking, Condensate From Diffuser Grid And The Duct</i>								
Window/Wall Unit No Component	50%			2025	\$11,900	1		
	40%							
Ventilation								
Exhaust Fans Interior	50%			2032	\$13,900	2	\$100	
Roof	50%			2032	\$6,100	2	\$100	
Plumbing								
H/C Water Piping Galvanized Steel	100%			2037	**	1		
Water Heater With Tanks Gas Fired	100%			2030	\$16,700	2		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 75 Gallon Unit</i>								
Sanitary Piping Cast Iron	100%			LIFE	**	1		
Storm Drain Piping Cast Iron	100%	0-2	\$1,100	LIFE	**	1		
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Clogged, Blockage Drain At Boiler Area</i>								
Sump Pump(s) Submersible	100%			2025	\$200	4	\$200	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057**SQUAD 61****Asset # : 13049**

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Plumbing								
	Backflow Preventer							
	No Component	95%						
	Generic	5%			2037	**	1	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Basement</i>						
		<i>Explanation : Serves Boiler Only</i>						
<hr/>								
	Fixtures							
	Generic	100%						
		<i>Obsolete Fixtures, Extent : Severe, Area Affected : 100%</i>						
		<i>Location : Kitchen And Bathroom</i>						
<hr/>								
Fire Suppression								
	Chemical System							
	Dry	10%			2030	\$8,000	1-3	\$7,900
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Model Kp-275</i>						
	No Component	80%						
	Generic	10%			2030	\$8,000	1-3	\$8,100
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout</i>						
		<i>Explanation : Fire Extinguishers</i>						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : FDNY PLATFORM / PILE SUPPORTED PLATFORM
Address : RANDALLS ISLAND SUNKEN MEADOW
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.100 / 13857 **Yr Built/Renovated** :
Area Sq Ft : 17,325 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Jul-2020 **Landmark Status** : NONE
Areas Surveyed :
Block : 1819 **Lot** : 4 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Piers		\$59,800
Total		\$59,800
Importance Code C		\$59,800
Total		\$59,800

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Piers	\$35,800	\$6,200	\$1,100	
Total	\$35,800	\$6,200	\$1,100	
Importance Code A				
Importance Code B	\$34,700		\$1,100	
Importance Code C	\$1,100	\$6,200		
Total	\$35,800	\$6,200	\$1,100	



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FDNY PLATFORM / PILE SUPPORTED PLATFORM
Asset # : 13857

Piers		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Structural								
Deck								
Concrete	55%			LIFE	**	5	\$17,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Entire Asset</i>								
<i>Explanation : Recent Replace Evident - New Pier Structure Constructed In 2018</i>								
Not Accessible	45%							
Deck Surface								
Asphalt	65%			2040	**	5	\$12,400	
<i>Surface Wearing/Scaling, Extent : Light, Area Affected : 5%</i>								
<i>Location : Pier Deck Surface</i>								
No Component	5%							
Not Accessible	30%							
Pile Caps								
Concrete	100%			LIFE	**	5	\$1,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : New Pier Deck System Installed In 2018</i>								
<i>Explanation : Recent Replace Evident</i>								
Piles and Bracing								
Concrete Encased Steel	25%			LIFE	**			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : All Piles And Encasemnts</i>								
<i>Explanation : Recent Replace Evident</i>								
Not Accessible	75%							
Fender								
Buffer								
Rubber	100%			2044	**	4-5	\$14,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : New Steel And Composite Fender Panels</i>								
<i>Explanation : Recent Replace Evident</i>								
Piles								
Steel	30%			2044	**	3-5	\$60,200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : New Steel Fender Panel Support Piles</i>								
<i>Explanation : Recent Replace Evident</i>								
Not Accessible	70%							
Pile Cluster								
Timber	50%			2032	\$59,800	4-10	\$18,300	
Not Accessible	50%							
Deck Elements								
Railing								
Fencing	100%			2035	**	3	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Full Length Of Asset</i>								
<i>Explanation : Recent Replace Evident</i>								
Electrical								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FDNY PLATFORM / PILE SUPPORTED PLATFORM

Asset # : 13857

Piers	Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Electrical

Lighting Fixture

Incandescent

100%

2026

Other Observation, Extent : Light, Area Affected : 100%

Location : Four LED Light Fixtures

Explanation : Recent Replace Evident

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : WHARF UNDER EC 331/LC 173 BY HARBOR ADAM
Address : 158-67 CROSS BAY BLVD. SHELL BANK BASIN
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : NYP0103.010 / 13649 **Yr Built/Renovated** :
Area Sq Ft : 5,520 **Project Type** : FIRE DEPARTMENT
Date of Survey : 08-Feb-2022 **Landmark Status** : NONE
Areas Surveyed :
Block : 14163 **Lot** : 101 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Piers	\$111,500	
Total	\$111,500	
Importance Code A	\$111,500	
Total	\$111,500	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Piers	\$23,300			
Total	\$23,300			
Importance Code A	\$22,100			
Importance Code B	\$1,200			
Total	\$23,300			



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
WHARF UNDER EC 331/LC 173 BY HARBOR ADAM
Asset # : 13649

Piers		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost
Structural	Deck							
	Concrete	50%			LIFE	**	5	\$10,300
				<i>Cracking, Extent : Light, Area Affected : 5%</i>				
				<i>Location : Isolated Locations Of The Deck Soffit</i>				
				<i>Spalling, Extent : Light, Area Affected : 5%</i>				
				<i>Location : At Pile Cap Interface, South Underside Of Pier</i>				
				<i>Other Observation, Extent : Light, Area Affected : 5%</i>				
				<i>Location : Isolated Locations Of The Deck Soffits</i>				
				<i>Explanation : Honeycombing</i>				
	Not Accessible	50%						
Pile Caps								
	Concrete	15%	4+	\$16,600	LIFE	**	5	\$100
				<i>Cracking, Extent : Light, Area Affected : 10%</i>				
				<i>Location : Typical At Most Pile Caps</i>				
				<i>Spalling, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Along Pile Bents 2.5, 5, 6 And 7 When Counting Bents From North To South.</i>				
	Concrete	85%			LIFE	**	5	\$600
Piles and Bracing								
	Concrete Encased Steel	80%			LIFE	**		
	Concrete Encased Steel	20%	4+	\$111,500	LIFE	**		
				<i>Spalling, Extent : Severe, Area Affected : 50%</i>				
				<i>Location : Top 2 To 3 Feet Of Concrete Encasements At Isolated Pile Locations Throughout The Pier.</i>				
Fender								
	Facing							
	Composite	50%			2031			\$33,100
	No Component	50%						
Deck Elements								
	Railing							
	Steel	25%			2028			\$30,600
				<i>Corrosion, Extent : Light, Area Affected : 25%</i>				
				<i>Location : Throughout Railing</i>				
	Steel	5%	4+	\$1,200	2028			\$6,100
				<i>Broken, Extent : Moderate, Area Affected : 100%</i>				
				<i>Location : Bottom Rail At Southern End Of Asset</i>				
	No Component	70%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : EAST SHORE RIP-RAP SHORELINE
Address : RANDALLS ISLAND/ NORTH OF DEP TO NORTH OF PLATFORM
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.110 / 13858 **Yr Built/Renovated** :
Linear Ft : 720 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Jul-2020 **Landmark Status** : NONE
Areas Surveyed :
Block : 1819 **Lot** : 4 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Bulkheads	\$109,200	
Total	\$109,200	
Importance Code C	\$109,200	
Total	\$109,200	

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Bulkheads	\$6,700	\$1,100	\$100	
Total	\$6,700	\$1,100	\$100	
Importance Code B	\$6,700	\$1,100	\$100	
Importance Code C				
Total	\$6,700	\$1,100	\$100	



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**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
EAST SHORE RIP-RAP SHORELINE

Asset # : 13858

Bulkheads		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Structural								
Revetment								
Stone	80%			LIFE	**	5	\$3,400	
	<i>Settlement, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Steep Slope For Full Length Of Asset</i>							
Stone	20%	4+	\$109,200	LIFE	**	5	\$900	
	<i>Settlement, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : At 390 To 420 Feet And 480 To 605 Feet From North Of FDNY Pier</i>							
Backfill								
Fill								
Not Accessible	100%							
Surface								
Concrete	20%			2040	**	5	\$1,600	
Gravel	40%			2040	**	2-5	\$900	
Not Accessible	40%							
Deck Elements								
Railing								
Fencing	40%			2032	\$22,200	3	\$100	
Fencing	20%	2-4	\$6,700	2036	**	3	\$100	
	<i>Not Plumb, Extent : Moderate, Area Affected : 100%</i>							
	<i>Location : Fence Foundation Undermined And Fence Leaning At 390 - 420 Feet And 480 - 605 Feet From North Of FDNY Pier</i>							
No Component	40%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 13-Oct-2022

FIRE DEPARTMENT - FY 2023

Asset Name : NAVY HOMEPORT MARINE 9 RESPONSE UNIT MARINA
Address : AT FRONT AND WAVE STREETS
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRMAR9.010 / 14767 **Yr Built/Renovated** : 2011 /
Area Sq Ft : 2,800 **Project Type** : FIRE DEPARTMENT
Date of Survey : 13-Feb-2019 **Landmark Status** : NONE
Areas Surveyed :
Block : 487 **Lot** : 100 **BIN** :

CAPITAL	FY 2024 - 2027	FY 2028 - 2033
Marinas/Docks	\$82,100	\$181,900
Total	\$82,100	\$181,900
Importance Code A	\$82,100	\$181,900
Total	\$82,100	\$181,900

EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Marinas/Docks	\$70,000	\$300	\$2,800	\$2,400
Total	\$70,000	\$300	\$2,800	\$2,400
Importance Code A	\$69,600			\$2,100
Importance Code B	\$100	\$100	\$2,500	\$100
Importance Code C	\$300	\$200	\$300	\$200
Total	\$70,000	\$300	\$2,800	\$2,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
**** Replacement cost estimated to be beyond ten years is not included in this report.**

FIRE DEPARTMENT - 057
NAVY HOMEPORT MARINE 9 RESPONSE UNIT MARINA
Asset # : 14767

Marinas/Docks		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Access Walkways								
Gangways								
Aluminum	100%			2050	**	1-3	\$8,200	
Floating Docks								
Anchor Piles								
Steel	50%	4+	\$10,300	2050	**	3-5	\$6,500	
<i>Corrosion, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Three Piles At Barge And Six Piles At Floating Dock In Tidal Zone</i>								
Not Accessible	50%							
Deck								
Concrete	100%			2039	**	5	\$89,500	
<i>Cracking, Extent : Light, Area Affected : 50%</i>								
<i>Location : Northern Half</i>								
Fenders								
Rubber	100%			2028	\$21,500	1-2	\$2,500	
Barge								
Steel	50%			2039	**	5	\$2,800	
Not Accessible	50%							
Protective Structure								
Fenders								
Steel/Rubber	60%			2028	\$99,800			
<i>Worn, Extent : Moderate, Area Affected : 25%</i>								
<i>Location : Splash Zone Along Fire Fighter 2 Berth</i>								
Not Accessible	40%							
Wave Attenuator								
Steel/Timber	5%	2-4	\$13,100	2050	**	5	\$9,100	
<i>Loose Connections, Extent : Severe, Area Affected : 100%</i>								
<i>Location : One Section East Of Floating Dock Adjacent To Pier And One Section At Southern Attenuator</i>								
Steel/Timber	45%			2050	**	5	\$164,300	
Not Accessible	50%							
Electrical/Mech.								
Power Supply/Bollards								
Plastic	100%			2028	\$4,900			
Fender								
Piles								
Steel	50%			2031	\$26,700			
<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Tidal Zone Of Monopile Fenders</i>								
<i>Explanation : Corrosion</i>								
Not Accessible	50%							

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FIRE DEPARTMENT - 057

Project : FIRE DEPARTMENT

CAPITAL	FY 2024 - 2027		FY 2028 - 2033	
Miscellaneous Buildings	2,834,100		1,430,600	
EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Miscellaneous Buildings	96,400	45,000	51,700	43,900

ASSET #	NAME	SQFT	CAPITAL	EXPENSE
13736	FORT TOTTEN - BLDG. # 100 GUARD GATE	63	0	3,800
13742	FORT TOTTEN - BLDG. # 131 FORMER RESIDENCE	3,274	272,100	14,900
13743	FORT TOTTEN - BLDG. # 132 FORMER RESIDENCE	4,286	356,300	19,500
13744	FORT TOTTEN - BLDG. # 135 FORMER RESIDENCE	4,339	360,700	19,700
13745	FORT TOTTEN - BLDG. # 136 FORMER RESIDENCE	4,287	356,300	19,500
13751	FORT TOTTEN - BLDG. # 305 FORMER RESIDENCE	1,555	129,300	7,100
13752	FORT TOTTEN - BLDG.# 306 A AND B FORMER RESIDENCE	4,194	348,600	19,100
13753	FORT TOTTEN - BLDG.# 307 A AND B FORMER RESIDENCE	4,194	348,600	19,100
13754	FORT TOTTEN - BLDG.# 308 A AND B FORMER RESIDENCE	4,208	349,800	19,100
13756	FORT TOTTEN - BLDG.# 310 A AND B FORMER RESIDENCE	4,208	349,800	19,100
13757	FORT TOTTEN - BLDG.# 312 A AND B FORMER RESIDENCE	4,282	355,900	19,500
13758	FORT TOTTEN - BLDG.# 314 A AND B QUARTERMASTER STORAGE	3,274	272,100	14,900
13760	FORT TOTTEN - BLDG. # 317 FORMER RESIDENCE	6,056	503,400	27,500
13765	FORT TOTTEN - BLDG. # 331 STORAGE	2,550	212,000	11,600
14029	FORT TOTTEN - BLDG. # 334 QUARTERMASTER STORAGE	600	49,900	2,700

Project : FIRE DEPARTMENT

CAPITAL	FY 2024 - 2027		FY 2028 - 2033	
Special Systems	2,400,000		0	
EXPENSE	FY 2024	FY 2025	FY 2026	FY 2027
Special Systems	1,310,000	1,385,000	1,450,000	1,525,000

ASSET #	NAME	SQFT	CAPITAL	EXPENSE
4541	FIREBOAT - FIRE FIGHTER II		160,000	2,350,000
4542	FIREBOAT - THREE FORTY-THREE		160,000	2,350,000
4543	FIREBOAT - BRAVEST		2,000,000	575,000
4544	FIREBOAT - FEEHAN		80,000	395,000

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