Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$340,600
Interior Architecture	$250,800	
Electrical		$187,100
Total	**$250,800**	**$527,700**
Importance Code A		$340,600
Importance Code B	$250,800	$187,100
Total	**$250,800**	**$527,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$85,300			$2,700
Interior Architecture	$42,600	$600	$3,300	$1,100
Electrical	$11,200	$1,400	$3,000	$1,500
Mechanical	$2,700	$4,900	$2,200	$2,500
Site Enclosure	$16,700			
Site Pavements	$2,200			
Total	**$160,600**	**$6,800**	**$8,600**	**$7,800**
Importance Code A	$86,400	$1,100	$1,100	$4,000
Importance Code B	$24,000	$5,700	$5,900	$3,800
Importance Code C	$50,200		$1,600	
Total	**$160,600**	**$6,800**	**$8,600**	**$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
BATTALION ENG. CO.45/ LAD CO.58
Asset # : 13033

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								
Alum/Vinyl Siding	20%	Now	$4,900	2050	* *			
Broken/Missing Elements, Extent : Light, Area Affected : 2%								
Location : Vinyl Vent Soffit At Roof Level								
Masonry: Brick	55%	Now	$30,700	LIFE	* *	5	$19,100	
Spalling, Extent : Light, Area Affected : 10%								
Location : Rear Facade								
Vertical Cracks, Extent : Light, Area Affected : 5%								
Location : Rear Facade								
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	$5,400	2035	* *	5	$2,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : East Roof Wall								
Paint Peeling, Extent : Moderate, Area Affected : 15%								
Location : East Roof Wall								
Windows								
Aluminum	100%	4+	$26,500	2046	* *	5	$1,500	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 2%								
Location : Throughout								
Parapets								
Masonry: Brick	85%	4+	$11,000	LIFE	* *	5	$3,600	
Efflorescence, Extent : Light, Area Affected : 15%								
Location : Main Roofs								
Horizontal Cracks, Extent : Moderate, Area Affected : 2%								
Location : Parapet Wall								
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 2%								
Location : Parapet Wall								
Staining/Discoloring, Extent : Moderate, Area Affected : 10%								
Location : Parapet Wall								
Masonry: Granite	5%			LIFE	* *	5	$300	
Masonry: Limestone	10%			LIFE	* *	5	$500	
Roof								
Modified Bitumen	100%	Now	$6,800	2030	$340,600			
Water Penetration, Extent : Moderate, Area Affected : 2%								
Location : South-east Stairway								
Interior								

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

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	40%	Now	$50,600	LIFE	* *	5	$19,900	
Horizontal Cracks, Extent : Light, Area Affected : 5%								
Location : Both Building Apparatus Floors								
Water Penetration, Extent : Moderate, Area Affected : 25%								
Location : Basement 1932 Section								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : 1932 Section								
Explanation : Apparatus Floor Slab Is Old And Does Not Carry Current Loads - Needs Replacement On 1932 Side								
Ceramic Tile	15%			2039	* *	5	$3,400	
Quarry Tile	5%	Now	$700	2035	* *	5	$900	
Broken/Missing Elements, Extent : Light, Area Affected : 2%								
Location : Kitchen								
Vinyl Tile	40%			2025	$82,700	3	$4,600	
Worn/Eroded, Extent : Light, Area Affected : 50%								
Location : House Watch Room								
Interior Walls								
Ceramic Tile	10%			2039	* *	5	$3,100	
Concrete Masonry Unit	50%	Now	$7,400	LIFE	* *	5	$6,300	
Vertical Cracks, Extent : Light, Area Affected : 50%								
Location : Engine Side Stair Shaft								
Plaster	25%	Now	$6,700	LIFE	* *	5	$2,400	
Paint Peeling, Extent : Moderate, Area Affected : 2%								
Location : Roof Ladder Shaft At Second Floor								
Water Penetration, Extent : Light, Area Affected : 5%								
Location : Apparatus Floor Both Houses.								
SGFT/Glazed Masonry	15%	Now	$19,400	LIFE	* *			
Diagonal Cracks, Extent : Severe, Area Affected : 40%								
Location : Spider Cracking Throughout Engine Side Apparatus Floor.								
Ceilings								
AcousTileSusp.Lay-In	5%			2043	* *	5	$1,100	
Exposed Concrete	50%	Now	$117,400	LIFE	* *	5	$1,800	
Corrosion/Rusting, Extent : Severe, Area Affected : 30%								
Location : Engine Side Basement Steel At Ceiling.								
Spalling, Extent : Severe, Area Affected : 10%								
Location : Basement								
Water Penetration, Extent : Severe, Area Affected : 30%								
Location : Engine Side Basement.								
Plaster	45%	Now	$7,200	LIFE	* *	5	$6,400	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Floor Both Houses.								
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Engine Side Of 1st Floor, 2nd Floor Locker Room								
Site Enclosure								

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

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 Enclosure								
Fence/Gates								
Chain Link	100%	Now	$16,700	2050	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Rear Yard								
Corrosion/Rusting, Extent : Moderate, Area Affected : 80%								
Location : Rear Yard								
Impact Damage, Extent : Severe, Area Affected : 10%								
Location : Rear Yard Parking Area								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	$2,200	2043	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Entrance								
Parking/Driveway								
Asphalt	100%			2039	* *			

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								
Molded Case Bkrs	100%			2030	$5,200	5	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Main Service Disconnect Switch Rated At 300 Amperes								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2030	$52,200	5	$400	
Raceway								
Conduit	100%			2030	$33,500	1		
Panelboards								
Molded Case Bkrs	50%			2029	$20,600	5	$200	
Molded Case Bkrs	50%			2038	* *	5	$200	
Wiring								
Thermoplastic	50%			2030	$14,800	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	
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Stand-by Power								
Transfer Switches								
Automatic	100%			2028	$5,200	1	$4,700	

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

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
Stand-by Power								
Generators								
Diesel	100%			2026	$70,300	1	$5,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Emergency Generator Rated At 17.5 Kilowatts								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$600	
Fuel Storage								
Main Tank	100%			2058	* *	5	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 275 Gallons Rated Capacity								
Lighting								
Interior Lighting								
Fluorescent	100%			2030	$44,100	10	$14,000	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Egress Lighting								
Emergency, Service	100%			2030	$8,000	1		
Exterior Lighting								
HID	20%			2030	$12,300	10		
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%			2050	* *	1		
Conversion Equipment								
Hot Water Boiler	50%			2043	* *	1	$3,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Steam Boiler	50%			2043	* *	1	$7,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	50%			2038	* *	4	$600	
Central Plant Steam Piping/Pmp	50%			2040	* *	4	$400	
Terminal Devices								
Convector/Radiator	100%			2035	* *	1	$4,900	
Air Conditioning								

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

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%			2038	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	10%			2038	* *	2	$100	
Other Observation, Extent : Light, Area Affected : 100% *Location : Roof* *Explanation : 1 Unit, R-410a*								
Split Unit	5%			2038	* *			
Other Observation, Extent : Light, Area Affected : 100% *Location : 2nd Floor* *Explanation : 1 Unit, R-410a*								
Window/Wall Unit	45%			2028	$14,300	1		
Window/Wall Unit	10%			2023	$3,200	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	$800	2	$100	
No Component	65%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	* *	1		
Water Heater								
Gas Fired	100%			2028	$9,300	2	$200	
Other Observation, Extent : Light, Area Affected : 100% *Location : Basement* *Explanation : Two 75 Gallon Units*								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$500	4	$500	
Fixtures								
Generic	100%							

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

Asset Name : **BRONX COMMUNICATION DIVISION BRONX BORO. COMMAND/DIST OFFICE**
Address : **451-453 EAST 176TH ST.**
Borough : **BRONX**
Program / Asset # : **FIRSCOM.000 / 13383**
Area Sq Ft : **12,000**
Date of Survey : **09-Jan-2020**
Areas Surveyed : **Basement, Roof, Floors 1,2,3**
Block : **2909** **Lot** : **40**

Agency's Number : **N/A**
Yr Built/Renovated : **1894 / 2010**
Project Type : **FIRE DEPARTMENT**
Landmark Status : **NONE**
BIN : **2009541**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$73,000	$56,100
Interior Architecture	$272,100	
Total	**$345,100**	**$56,100**
Importance Code A	$73,000	$56,100
Importance Code B	$272,100	
Total	**$345,100**	**$56,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$104,800			
Interior Architecture	$99,100		$2,400	$1,100
Electrical	$1,200	$800	$1,000	$2,400
Mechanical	$2,500	$1,800	$2,200	$1,700
Total	**$207,600**	**$2,600**	**$5,600**	**$5,200**
Importance Code A	$105,400	$600	$600	$600
Importance Code B	$43,700	$2,100	$5,000	$4,000
Importance Code C	$58,500			$600
Total	**$207,600**	**$2,600**	**$5,600**	**$5,200**



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FIRE DEPARTMENT - 057

BRONX COMMUNICATION DIVISION BRONX BORO. COMMAND/DIST OFFICE

Asset # : 13383

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	$25,300	
Masonry: Brick	70%	Now	$73,000	LIFE	* *	5	$22,700	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Front Facade								
Masonry: Brownstone	10%	Now	$32,800	LIFE	* *	5	$2,400	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : At Overhead Door Frames								
Worn/Eroded, Extent : Severe, Area Affected : 10%								
Location : At Overhead Door Frames								
Wood Overhead Doors	15%	4+	$16,400	2036	* *	5	$12,100	
Deteriorated Finish, Extent : Moderate, Area Affected : 20%								
Location : Overhead Doors								
Windows								
Aluminum	100%			2047	* *	5	$1,700	
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	* *	5-10	$23,000	
Masonry: Brick	60%			LIFE	* *	5-10	$16,600	
Metal Panel	20%			2041	* *	5	$3,100	
Roof								
Roll Roofing	95%	Now	$11,200	2027	$56,100	5	$10,600	
Patching Evident, Extent : Moderate, Area Affected : 5%								
Location : Main Roof								
Seams Open/Split, Extent : Moderate, Area Affected : 25%								
Location : Various Locations Throughout								
Water Penetration, Extent : Severe, Area Affected : 2%								
Location : 3rd Floor Offices								
Skylight, Metal/Glass	5%			2051	* *	10	$2,200	
Interior								
Floors								
Cast in Place Concrete	25%	2-4	$10,000	LIFE	* *	5	$9,800	
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Room								
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Room								
Ceramic Tile	5%			2040	* *	5	$900	
Panel/Paver: Cer/Brk	15%	4+	$16,900	2039	* *	5	$3,000	
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : First Floor In Bronx Borough Command								
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : 1st Floor, Garage								
Quarry Tile	10%			2044	* *	5	$2,700	
Vinyl Tile	45%			2036	* *	3	$3,000	

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FIRE DEPARTMENT - 057

BRONX COMMUNICATION DIVISION BRONX BORO. COMMAND/DIST OFFICE

Asset # : 13383

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%			2040	* *	5	$1,200	
Ceramic Tile	10%	Now	$7,300	2034	* *	5	$1,200	
Vertical Cracks, Extent : Moderate, Area Affected : 15%								
Location : Communications On Aparatus Floor								
Gypsum Board	75%			LIFE	* *	5-10	$31,500	
Masonry: Brick	10%	Now	$30,800	LIFE	* *			
Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Sidewalk Vault								
Ceilings								
AcousTileSusp.Lay-In	50%	4+	$7,800	2044	* *	5	$4,500	
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : 3rd Floor Offices								
Embossed Metal	25%			LIFE	* *	5	$4,000	
Exposed Struc: Steel	5%	0-2	$201,900	LIFE	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 30%								
Location : Basement								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Basement								
Explanation : Beams Supported By Round Columns								
Gypsum Board	10%			LIFE	* *	5-10	$6,200	
Masonry:Vault Struct	10%	Now	$70,200	LIFE	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 15%								
Location : Basement								
Loose Units, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Sidewalk Vault On Communications Side Of Building								
Site Pavements								
Public Sidewalk								
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%			2031	$5,200	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 200 Ampere Main Disconnect Switches								

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FIRE DEPARTMENT - 057

BRONX COMMUNICATION DIVISION BRONX BORO. COMMAND/DIST OFFICE

Asset # : 13383

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								
Raceway								
Conduit	80%			2051	* *	1		
Conduit	20%			2031	$6,700	1		
Panelboards								
Fused Disc Sw	5%			2047	* *	5		
Molded Case Bkrs	95%			2047	* *	5	$300	
Wiring								
Thermoplastic	80%			2051	* *	1		
Thermoplastic	20%			2031	$5,900	1		
Motor Controllers								
Locally Mounted	50%			2029	$7,700	5		
Locally Mounted	50%			2036	* *	5		
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	* *	1	$3,700	
Generators								
Diesel	100%			2040	* *	1	$4,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room								
Explanation : One 60 Kilowatts								
Batteries								
Lead/Acid	100%			2025	$1,600	5	$400	
Fuel Storage								
Main Tank	100%			2034	* *	5	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 550 Gallons								
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		
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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FIRE DEPARTMENT - 057

BRONX COMMUNICATION DIVISION BRONX BORO. COMMAND/DIST OFFICE

Asset # : 13383

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								
Hot Water Boiler	100%			2044	* *	1	$5,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	100%			2047	* *	4	$900	
Corroded, Extent : Moderate, Area Affected : 2%								
Location : There Is Corroded Piping At Manifold In Boiler Room								
Terminal Devices								
Convector/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	* *			
Other Observation, Extent : Light, Area Affected : 50%								
Location : Roof								
Explanation : 16 Split Units Using R-410 A								
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		
No Water Meter, Extent : Light, Area Affected : 100%								
Location : Basement								
Water Heater								
Gas Fired	100%			2029	$7,300	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 75 Gallon Unit								
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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Sump Pump(s)								
Non-Submersible	100%			2031	$1,800	4	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units And One Serves Each Side								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2026	$27,900	1-3	$4,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen, 1st Floor								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$144,100
Total		**$144,100**
Importance Code A		$144,100
Total		**$144,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$12,600			
Interior Architecture	$34,600		$4,600	$10,400
Electrical	$2,800	$1,800	$2,100	$3,400
Mechanical	$8,400	$3,300	$4,200	$3,600
Site Pavements	$11,900			
Total	**$70,300**	**$5,100**	**$10,900**	**$17,500**
Importance Code A	$13,100	$600	$600	$600
Importance Code B	$36,800	$4,600	$10,300	$16,300
Importance Code C	$20,400			$700
Total	**$70,300**	**$5,100**	**$10,900**	**$17,500**



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 - S.I.
Asset # : 1997

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	7%			LIFE	* *	5	$6,700	
Glass Block	4%			LIFE	* *	5	$500	
Masonry: Brick	80%			LIFE	* *	5	$15,300	
Metal Panel	4%			2051	* *	5-10	$2,600	
Window Wall	5%			2051	* *	5	$1,800	
Windows								
Aluminum	100%			2047	* *	5	$2,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Bullet Proof Glass								
Roof								
Modified Bitumen	100%			2031	$144,100	10	$9,900	
Soffits								
Aluminum Sunshades	100%			2040	* *	10	$11,700	
Interior								
Floors								
Carpet	25%			2030	$56,700	3	$6,200	
Cast in Place Concrete	25%			LIFE	* *	5	$18,200	
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	$4,200	
Gypsum Board	40%			LIFE	* *	5-10	$8,800	
Plaster	10%			LIFE	* *	5-10	$1,100	
Ceilings								
AcousTileSusp.Lay-In	30%			2044	* *	5	$5,000	
Exposed Concrete	45%			LIFE	* *	5-10	$9,400	
Exposed Struc: Steel	10%			LIFE	* *	10	$3,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Material Actually Concrete Over Metal Decking								
Gypsum Board	15%			LIFE	* *	5-10	$8,600	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	* *			
Other Observation, Extent : Light, Area Affected : 50%								
Location : Throughout								
Explanation : Vegetation Growth								
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		
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%	0-2	$11,900	2034	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Driveway Entrance								

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		
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	$300	
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	$1,600	5	$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
COMMUNICATIONS CENTER - S.I.
Asset # : 1997

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
Stand-by Power								
Fuel Storage								
Day Tank	50%			2047	* *	5	$1,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room								
Explanation : 275 Gallons Rated Capacity								
Main Tank	50%			2059	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Underground								
Explanation : 5,000 Gallon Underground Tank								
Lighting								
Interior Lighting								
Fluorescent	95%			2036	* *	10	$9,700	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Fluorescent	5%			2036	* *	10	$500	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Hallways								
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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : CCTV Surveillance System								
Fire/Smoke Detection								
Generic, Digital	100%			2036	* *	1-3	$6,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : Smoke Detectors, Alarm Bells, Manual Pull Stations, Horns, Strobe Lights								

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								
Fuel Oil No 2	100%			2057	* *	5	$3,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Buried Outside Of Building								
Explanation : One 5,000 Gallon Oil Tank								

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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		
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%			2048	* *	1	$5,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Boiler Room								
Explanation : One Hot Water Boiler								
Distribution								
Hot Wtr Piping/Pump	100%			2053	* *	4	$500	
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	
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : Two Packaged Air-cooled Chillers Located In Back Yard								
No Component	20%							
Distribution								
CW & CHW Wtr Pipe/Pump	80%			2041	* *	4	$400	
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	$9,800	
Exhaust Fans								
Roof	100%			2039	* *	2	$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	* *	1		
Water Heater								
Electric	100%			2029	$9,800	4	$100	
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sewage Ejector(s)								
Electric	100%			2039	* *	4	$700	
Backflow Preventer								
Generic	100%			2036	* *	1	$700	
Fixtures								
Generic	100%							
Fire Suppression								

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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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Fire Suppression								
Sprinkler								
No Component	85%							
Generic	15%			2057	* *	1-2	$500	
Chemical System								
Generic	100%			2030	$27,900	1-3	$3,700	

Other Observation, Extent : Light, Area Affected : 100%
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
Explanation : Four Sets Of Fire Suppression Systems

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$51,800	
Total	**$51,800**	
Importance Code A	$51,800	
Total	**$51,800**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$53,800	$2,200		
Interior Architecture	$35,900		$4,000	$5,200
Electrical	$3,100	$1,800	$2,100	$3,500
Mechanical	$8,400	$4,300	$5,600	$3,400
Total	**$101,200**	**$8,300**	**$11,800**	**$12,100**
Importance Code A	$54,400	$2,800	$600	$600
Importance Code B	$39,400	$5,500	$11,200	$11,300
Importance Code C	$7,400			$200
Total	**$101,200**	**$8,300**	**$11,800**	**$12,100**



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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
COMMUNICATIONS CENTER-BRONX
Asset # : 1996

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	7%	4+	$30,800	LIFE	* *	5	$13,800	
Staining/Discoloring, Extent : Moderate, Area Affected : 15%								
Location : Window Sill And Door Openings								
Masonry: Brick	82%	4+	$13,400	LIFE	* *	5	$20,800	
Staining/Discoloring, Extent : Moderate, Area Affected : 10%								
Location : Rear Facade								
Masonry: Limestone	5%	Now	$8,200	LIFE	* *	5	$1,000	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : Balustrade								
Staining/Discoloring, Extent : Moderate, Area Affected : 15%								
Location : Balustrade Throughout								
Metal: Cage/Fence	1%			2048	* *	5	$1,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Decorative Grilles At Window Openings								
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	$51,800	2051	* *			
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Explanation : Ice Breakers Missing								
Copper/Terne	7%			2066	* *	10	$2,800	
Panel/Paver: Cer/Brk	3%			2041	* *	10	$600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Entry Portico								
Explanation : Walking Surface Over Vault								
Soffits								
Cast Stone/Terra Cotta	100%			LIFE	* *	5		
Interior								
Floors								
Carpet	27%			2030	$62,400	3	$6,900	
Cast in Place Concrete	25%			LIFE	* *	5	$18,500	
Ceramic Tile	3%			2040	* *	5	$500	
Quarry Tile	2%			2036	* *	5	$500	
Raised Access Floor	15%			2040	* *	5	$9,500	
Terrazzo	5%			LIFE	* *	5	$1,300	
Vinyl Tile	23%			2036	* *	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
COMMUNICATIONS CENTER-BRONX
Asset # : 1996

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	3%			2040	* *	5	$400	
Concrete Masonry Unit	5%			LIFE	* *	5	$600	
Fabric on Framing	45%			2032	* *	5	$3,200	
Gypsum Board	15%			LIFE	* *	5-10	$3,600	
Masonry: Brick	10%			LIFE	* *	10	$400	
Plaster	20%			LIFE	* *	5-10	$2,400	
Wood	2%			LIFE	* *	5	$2,300	
Ceilings								
AcousTileSusp.Lay-In	15%			2044	* *	5	$2,500	
Exposed Concrete	20%			LIFE	* *	5-10	$4,200	
Gypsum Board	15%			LIFE	* *	5-10	$8,700	
Plaster	50%			LIFE	* *	5-10	$14,600	
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		
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 : Electrical Room								
Explanation : Main Service Disconnect Switch Rated At 2,000 Amperes.								
Transformers								
Dry Type	100%			2044	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 225 Kilovolt-amperes, 480/208/120 Volts								
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		
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	$300	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	* *	1	$3,500	
Generators								
Diesel	20%			2040	* *	1	$900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : Two Emergency Generator Rated At 125 Kilovolt-amperes Each.								
Diesel	80%			2040	* *	1	$3,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room								
Explanation : Two Emergency Generator Rated At 638 Kilovolt-amperes Each.								
Batteries								
Lead/Acid	100%			2025	$1,600	5	$400	
Fuel Storage								
Day Tank	5%			2047	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room								
Explanation : 250 Gallons Rated Capacity								
Underground Storage	95%			LIFE	* *	5	$1,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Underground								
Explanation : 5,000 Gallons Rated Capacity								
Lighting								
Interior Lighting								
Fluorescent	90%			2036	* *	10	$9,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Fluorescent	7%			2036	* *	10	$700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Corridors								
Explanation : Compact Fluorescent Lights								
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		
System / Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Egress Lighting								
Emergency, Service	50%			2036	* *	1		
Emergency, Battery	10%			2036	* *	10	$300	
Exit, Service	40%			2036	* *	1		
Exterior Lighting								
LED	20%			2036	* *			
No Component	80%							
Lightning Protection								
Arresters/Cabling								
No Component	90%							
Generic	10%			2059	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Tower Only								
Explanation : Lightning Rods								
Alarm								
Security System								
Generic	100%			2036	* *	1	$4,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : CCTV Surveillance Cameras And Intrusion Alarm System								
Fire/Smoke Detection								
Generic, Analog	100%			2036	* *	1-3	$7,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : Strobe Lights, Manual Pull Stations, Alarm Bells, Manual Pull Stations, Smoke Detectors								

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								
Fuel Oil No 2	100%			2051	* *	5	$3,500	
Conversion Equipment								
Hot Water Boiler	100%			2044	* *	1	$5,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Boiler Room								
Explanation : 2 Units								
Distribution								
Hot Wtr Piping/Pump	100%			2047	* *	4	$800	
Terminal Devices								
Air Handler	60%			2036	* *	1	$4,200	
Convector/Radiator	40%			2044	* *	1	$1,500	
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		
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	
R-22 Refrigerant, Extent : Light, Area Affected : 90%								
Location : Outside In The Yard								
No Component	10%							
Distribution								
CW & CHW Wtr Pipe/Pump	90%			2051	* *	4	$800	
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	$10,000	
Exhaust Fans								
Interior	100%			2036	* *	2	$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	* *	1		
Water Heater								
Oil Fired	100%			2029	$9,400	1	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
Vertical Transport								
Elevators								
Hydraulic	100%			LIFE	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : At Back Of Building,								
Explanation : For Handicap Use Only								
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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Fire Suppression								
Chemical System								
Generic	100%			2029	$27,900	1-3	$3,700	

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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$330,300	
Total	**$330,300**	
Importance Code A	$330,300	
Total	**$330,300**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$14,300	$1,700		
Interior Architecture	$38,100		$6,100	$3,600
Electrical	$2,100	$1,900	$1,700	$1,500
Mechanical	$8,400	$5,000	$4,100	$5,500
Site Enclosure	$1,100			
Site Pavements	$11,200			
Total	**$75,200**	**$8,500**	**$12,000**	**$10,600**
Importance Code A	$14,800	$2,200	$500	$500
Importance Code B	$34,000	$6,300	$11,400	$10,100
Importance Code C	$26,400			
Total	**$75,200**	**$8,500**	**$12,000**	**$10,600**



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
COMMUNICATIONS CENTER-BROOKLYN
Asset # : 1994

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	12%	4+	$114,800	LIFE	* *	5	$23,700	
Broken/Missing Elements, Extent : Light, Area Affected : 1%								
Location : Side Facade								
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
Location : Cornices And Decorative Elements								
Staining/Discoloring, Extent : Moderate, Area Affected : 25%								
Location : Cornices And Decorative Elements								
Masonry: Brick	80%	0-2	$215,500	LIFE	* *	5	$20,300	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
Location : Rear Facade								
Vertical Cracks, Extent : Moderate, Area Affected : 5%								
Location : Rear Corner								
Masonry: Limestone	8%	4+	$14,300	LIFE	* *	5	$1,500	
Cracking/Crumbling, Extent : Light, Area Affected : 2%								
Location : Throughout								
Staining/Discoloring, Extent : Moderate, Area Affected : 15%								
Location : Sills And Lintels								
Windows								
Aluminum	100%			2053	* *	5	$3,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Bullet Resistant Glass And Protective Metal Grilles								
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	
Recent Repair Evident, Extent : Light, Area Affected : 10%								
Location : Entry Portico								
Interior								
Floors								
Carpet	45%			2030	$113,000	3	$11,400	
Cast in Place Concrete	25%			LIFE	* *	5	$18,500	
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	* *	5-10	$20,700	
Masonry: Brick	15%			LIFE	* *	10	$600	
Ceilings								
AcousTileSusp.Lay-In	20%			2044	* *	5	$3,400	
Exposed Concrete	40%			LIFE	* *	5-10	$8,500	
Plaster	40%			LIFE	* *	5-10	$11,700	
Site Enclosure								

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*** 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		
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%			2041	* *			
Iron Picket	50%	4+	$1,100	2066	* *			
Impact Damage, Extent : Moderate, Area Affected : 2%								
Location : Along Washington Avenue								
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+	$6,000	2044	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Around Manholes								
Parking/Driveway								
Asphalt	80%	4+	$5,300	2040	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Driveway And Rear Gate								
Cast in Place Concrete	20%			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								
Air Circuit Breaker	100%			2057	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : Two Low Voltage Power Circuit Breaker Disconnect Switches Rated At 1600 Amperes Each.								
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	$300	
Stand-by Power								

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

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
Stand-by Power								
Transfer Switches								
Automatic	100%			2048	* *	1	$3,300	
Generators								
Diesel	100%			2044	* *	1	$4,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : Two Diesel Generators Rated At 450 Kilowatts Each.								
Batteries								
Lead/Acid	100%			2026	$1,700	5	$400	
Fuel Storage								
Day Tank	20%			2053	* *	5	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 275 Gallons Rated Capacity								
Main Tank	80%			2066	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Underground								
Explanation : 3000 Gallons Rated Capacity								
Lighting								
Interior Lighting								
Fluorescent	30%			2039	* *	10	$3,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : T-5 Lamps								
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	$300	
Alarm								
Security System								
No Component	60%							
Generic	40%			2039	* *	1	$1,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Lobby, Hallways, Outside Perimeter								
Explanation : Cctv Surveillance Cameras								
Fire/Smoke Detection								
Generic, Analog	100%			2039	* *	1-3	$6,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : Strobe Lights, Manual Pull Stations, Alarm Bells, Smoke Detectors And Horns								

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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-BROOKLYN
Asset # : 1994

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							
Fuel Oil No 2	100%		2057	* *	5	$3,400	
Conversion Equipment							
Hot Water Boiler	100%		2048	* *	1	$5,400	
	Recent Replace Evident, Extent : Light, Area Affected : 100%						
	Location : Basement Boiler Room						
Distribution							
Hot Wtr Piping/Pump	100%		2053	* *	4	$500	
Terminal Devices							
Air Handler	70%		2039	* *	1	$4,700	
Convector/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	$500	
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	$9,600	
Exhaust Fans							
Interior	100%		2039	* *	2	$300	
Plumbing							
H/C Water Piping							
Brass/Copper	100%		2057	* *	1		
Water Heater							
Not Accessible	100%						
Sanitary Piping							
Cast Iron	100%		LIFE	* *	1		
Backflow Preventer							
Generic	100%		2039	* *	1	$700	
Fixtures							
Generic	100%						
Fire Suppression							

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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
COMMUNICATIONS CENTER-BROOKLYN
Asset # : 1994

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%			2057	* *	1-2	$3,000	
Chemical System								
Dry	20%			2030	$6,100	1-3	$700	
Dry System, Extent : Light, Area Affected : 100%								
Location : 2 Sets , Fm-200, In Communication Room								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$223,300	$44,700
Electrical		$69,100
Total	**$223,300**	**$113,800**
Importance Code A	$223,300	$44,700
Importance Code B		$69,100
Total	**$223,300**	**$113,800**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$31,000	$1,200	$1,700	
Interior Architecture	$15,300	$500	$600	
Electrical	$3,100	$600	$700	$2,300
Mechanical	$3,500	$1,400	$2,000	$1,100
Site Enclosure	$100			
Total	**$53,000**	**$3,600**	**$4,900**	**$3,500**
Importance Code A	$31,300	$1,500	$2,000	$300
Importance Code B	$18,100	$2,100	$2,900	$3,200
Importance Code C	$3,500			
Total	**$53,000**	**$3,600**	**$4,900**	**$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
COMMUNICATIONS CENTER-MANHATTAN
Asset # : 1993

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	30%	Now	$122,500	LIFE	* *	5	$25,300	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 30%								
Location : All Facades								
Staining/Discoloring, Extent : Severe, Area Affected : 35%								
Location : Rear Facade								
Vegetation Growth, Extent : Severe, Area Affected : 25%								
Location : Rear Facade								
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : Cornice Trim								
Masonry: Brick	2%			LIFE	* *	5	$400	
Masonry: Granite	68%	0-2	$100,800	LIFE	* *	5	$5,500	
Worn/Eroded, Extent : Moderate, Area Affected : 20%								
Location : Rear Facade								
Windows								
Aluminum	90%			2053	* *	5	$2,400	
Metal Louvers	10%			2034	* *	10	$1,700	
Parapets								
Cast Stone/Terra Cotta	100%	Now	$30,700	LIFE	* *	5	$26,300	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
Location : Sout East Corner								
Roof								
Copper/Terne	90%			2046	* *	10	$40,200	
Copper/Terne	10%			2066	* *	10	$4,500	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : At Roof Penetrations And Eastern Step Down Roof								
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	* *	5	$16,700	
Ceramic Tile	10%			2044	* *	5	$1,000	
Vinyl Tile	10%			2039	* *	3	$400	
Under Construction	40%							
Interior Walls								
Concrete Masonry Unit	25%			LIFE	* *	5	$2,200	
Gypsum Board	10%			LIFE	* *	5-10	$1,900	
Masonry: Brick	15%			LIFE	* *	10	$500	
Plaster	10%			LIFE	* *	5-10	$900	
Under Construction	40%							
Ceilings								
AcousTileSusp.Lay-In	10%			2048	* *	5	$1,000	
Exposed Concrete	50%	4+	$3,600	LIFE	* *	5	$700	
Cracking/Crumbling, Extent : Light, Area Affected : 15%								
Location : Basement								
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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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		
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%			2051	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room Basement								
Explanation : Two 1200 Amperes Main Disconnect Switch								
Transformers								
Dry Type	100%			2029	$18,300	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	$56,500	5		
Molded Case Bkrs	40%			2051	* *	5	$100	
Raceway								
Conduit	60%			2031	$9,700	1		
Conduit	40%			2051	* *	1		
Panelboards								
Fused Disc Sw	5%			2047	* *	5		
Molded Case Bkrs	40%			2030	$6,900	5	$100	
Molded Case Bkrs	55%			2047	* *	5	$100	
Wiring								
Thermoplastic	40%			2031	$8,500	1		
Thermoplastic	60%			2051	* *	1		
Motor Controllers								
Locally Mounted	70%			2029	$24,000	5		
Locally Mounted	30%			2044	* *	5		
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.
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FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-MANHATTAN
Asset # : 1993

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
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	* *	1	$2,000	
Generators								
Diesel	100%			2040	* *	1	$2,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room								
Explanation : Two 300 Kilowatt Diesel Generators								
Batteries								
Lead/Acid	100%			2025	$1,700	5	$200	
Fuel Storage								
Day Tank	50%			2047	* *	5	$600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room								
Explanation : Two 275 Gallons Capacity								
Underground Storage	50%			LIFE	* *	5	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Underground								
Explanation : One 5000 Gallons								
Lighting								
Interior Lighting								
Fluorescent	30%			2026	$12,700	10	$1,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : T-12 Lamps								
Fluorescent	70%			2036	* *	10	$4,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Inside And Outside								
Explanation : Cctv Surveillance System And Intrusion Alarm System								

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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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	$400	
No Component	10%							
Terminal Devices								
Convector/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	$1,500	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 Pipe/Pump	30%			2051	* *	4	$100	
No Component	70%							

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

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	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	$1,700	
Other Observation, Extent : Light, Area Affected : 30%								
Location : Communication Equipment Room, Basement								
Explanation : New Ductwork								
No Component	70%							
Exhaust Fans								
Roof	30%			2026	$3,500	2	$100	
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	* *	1		
Water Heater								
Electric	100%			2026	$6,100	4	$100	
Sanitary Piping								
Cast Iron	50%			LIFE	* *	1		
Cast Iron	50%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%			2031	$1,100	4	$200	
Sewage Ejector(s)								
Electric	100%			2036	* *	4	$300	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Dry	100%			2030	$30,300	1-3	$3,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Communication Room								
Explanation : Fm-200								

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$65,600	
Mechanical		$280,400
Total	**$65,600**	**$280,400**
Importance Code A	$65,600	
Importance Code B		$280,400
Total	**$65,600**	**$280,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$50,100			
Interior Architecture	$35,900		$300	$8,000
Electrical	$2,100	$1,000	$1,100	$2,600
Mechanical	$5,100	$3,600	$2,800	$3,100
Site Enclosure	$8,800			
Site Pavements	$9,700			
Elevators/Escalators	$3,900	$3,900	$3,900	$3,900
Total	**$115,600**	**$8,500**	**$8,100**	**$17,600**
Importance Code A	$50,500	$500	$500	$500
Importance Code B	$34,200	$8,000	$7,700	$16,700
Importance Code C	$30,900			$400
Total	**$115,600**	**$8,500**	**$8,100**	**$17,600**



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

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	85%	0-2	$65,600	LIFE	* *	5	$20,400	
Rusting Masonry Supt, Extent : Moderate, Area Affected : 20%								
Location : Window Lintels								
Staining/Discoloring, Extent : Light, Area Affected : 10%								
Location : Front Facade								
Masonry: Granite	3%			LIFE	* *	5	$1,100	
Masonry: Limestone	10%	Now	$31,000	LIFE	* *	5	$1,800	
Broken/Missing Elements, Extent : Severe, Area Affected : 1%								
Location : Woodhaven Boulevard Facade								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Cornices								
Staining/Discoloring, Extent : Moderate, Area Affected : 10%								
Location : Cornices								
Worn/Eroded, Extent : Moderate, Area Affected : 10%								
Location : Drip Edges Under Window Sills								
Other Observation, Extent : Light, Area Affected : 2%								
Location : Woodhaven Boulevard								
Explanation : Tree Fell On Side Of Building October 2019								
Metal Coiling Doors	2%			2036	* *	5	$1,500	
Windows								
Aluminum	10%			2047	* *	5	$400	
Aluminum	90%			2047	* *	5	$3,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Bullet Resistant Glass								
Roof								
Clay Tile	95%	Now	$16,500	2051	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Throughout								
Other Observation, Extent : Light, Area Affected : 2%								
Location : Woodhaven Boulevard Facade								
Explanation : Tree Fell On Side Of Building October 2019								
Copper/Terne	5%			2059	* *	10	$4,900	
Interior								

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

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								
Carpet	30%	4+	$1,100	2030	$56,100	3	$6,200	
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : First Floor Main Area								
Cast in Place Concrete	20%	Now	$1,500	LIFE	* *	5	$6,000	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : East Facade In Boiler Room								
Ceramic Tile	5%			2040	* *	5	$700	
Quarry Tile	2%	2-4	$400	2036	* *	5	$200	
Worn/Eroded, Extent : Moderate, Area Affected : 10%								
Location : Below Sink In Kitchen								
Raised Access Floor	20%			2040	* *	5	$10,300	
Terrazzo	5%	2-4	$1,700	LIFE	* *	5	$500	
Worn/Eroded, Extent : Moderate, Area Affected : 5%								
Location : Basement Entry								
Vinyl Tile	18%			2036	* *	3	$900	
Interior Walls								
Cast in Place Concrete	10%			LIFE	* *	10	$4,400	
Ceramic Tile	5%			2040	* *	5	$900	
Fabric on Framing	20%			2032	* *	5	$1,800	
Gypsum Board	35%			LIFE	* *	5-10	$10,500	
Masonry: Brick	10%			LIFE	* *	10	$500	
Plaster	5%	Now	$1,300	LIFE	* *	5	$300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Communication Room								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : South Wall Room B-07, Communication Room Has Leak Repaired But Interior Damage Not Resolved								
Plaster	15%			LIFE	* *	5-10	$2,200	

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

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	45%	Now	$5,300	2044	* *	5	$3,100	
Broken/Missing Elements, Extent : Severe, Area Affected : 1%								
Location : First Floor								
Misaligned/Bulging, Extent : Light, Area Affected : 25%								
Location : Various Locations								
Staining/Discoloring, Extent : Severe, Area Affected : 2%								
Location : First Floor								
AcousTileSusp.Lay-In	5%	4+	$600	2044	* *	5	$300	
Staining/Discoloring, Extent : Moderate, Area Affected : 15%								
Location : Kitchen								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Metal Panels								
Exposed Concrete	20%			LIFE	* *	5-10	$3,400	
Exposed Struc: Steel	5%			LIFE	* *	10	$1,400	
Gypsum Board	10%			LIFE	* *	5-10	$4,700	
Plaster	5%	Now	$1,000	LIFE	* *	5	$400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Communication Room								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Communication Room Has Leak Repaired At Roof But Interior Damage Not Resolved								
Plaster	10%			LIFE	* *	5-10	$2,400	
Site Enclosure								
Fence/Gates								
Aluminum Rail	10%	Now	$500	2044	* *	5	$2,300	
Deteriorated Finish, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 5%								
Location : Main Entry Railing								
Iron Picket	90%	Now	$5,400	2066	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 5%								
Location : Base At Connections To Concrete								
Other Observation, Extent : Moderate, Area Affected : 2%								
Location : Woodhaven Boulevard								
Explanation : Gate Is Misaligned								
Retaining Walls								
Cast in Place Concrete	100%	Now	$2,900	2066	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Cheak Wall At Main Entry Steps								
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : At Railing Post Connections								
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		
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	* *			
Parking/Driveway								
Asphalt	100%	Now	$9,700	2040	* *			
Potholes, Extent : Severe, Area Affected : 10%								
Location : Rear Parking And 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%			2051	* *	5		
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		
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		
Fused Disc Sw	90%			2051	* *	5		
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	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$300	
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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FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-QUEENS
Asset # : 1995

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
Stand-by Power								
Generators								
Diesel	50%			2040	* *	1	$1,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room								
Explanation : Two 638 Kilovolt-ampere								
Diesel	50%			2040	* *	1	$1,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside The Building								
Explanation : Two 125 Kilovolt-ampere								
Batteries								
Lead/Acid	100%			2025	$1,600	5	$400	
Fuel Storage								
Day Tank	50%			2047	* *	5	$900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : Two 265 Gallons								
Underground Storage	50%			LIFE	* *	5	$600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Underground								
Explanation : 5,000 Gallons								
Lighting								
Interior Lighting								
Fluorescent	70%			2036	* *	10	$5,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Fluorescent	30%			2036	* *	10	$2,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Corridors And Offices								
Explanation : Compact Fluorescent Lamps								
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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Inside And Outside The Building								
Explanation : CCTV Surveillance System And Intrusion Alarm System								

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

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
Alarm								
Fire/Smoke Detection								
No Component	70%							
Generic, Digital	30%			2036	* *	1-3	$1,800	
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		
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%			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	$700	
Terminal Devices								
Air Handler	55%			2031	$70,900	1	$3,100	
Convector/Radiator	20%			2036	* *	1	$600	
Fan Coil Unit/Heat	25%			2031	$34,300	1	$700	
Air Conditioning								
Energy Source								
Electricity	100%			2047	* *	1		
Conversion Equipment								
Interior Pkg Unit - Cooling	15%			2032	* *	2	$100	
R-22 Refrigerant, Extent : Light, Area Affected : 15%								
Location : 4 Units, Communication Room								
Reciprocating Compr/Chiller	85%			2031	$66,100	1	$3,600	
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : Back Yard								
Distribution								
CW & CHW Wtr Pipe/Pump	85%			2051	* *	4	$600	
No Component	15%							
Terminal Devices								
Air Handler/Cool/Ht	35%			2031	$36,000	1	$2,000	
Fan Coil - 4 Pipe	50%			2031	$107,300	1	$1,500	
No Component	15%							

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

Mechanical	Current Repair			Future Replacement		Maintenance		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Heat Rejection								
Air Cooled Condenser Unit	85%			2031	$15,700	2	$5,400	
Dry Cooler	15%			2036	* *	2	$1,000	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$8,100	
Exhaust Fans								
Interior	100%			2036	* *	2	$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	* *	1		
Water Heater								
Oil Fired	50%			2026	$3,800	1	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Oil Fired	50%			2030	$3,800	1	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
Vertical Transport								
Elevators								
Hydraulic	100%			LIFE	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement To 1st Floor								
Explanation : 1 Unit								
Fire Suppression								
Sprinkler								
Generic	100%			2051	* *	1-2	$2,600	
Chemical System								
No Component	85%							
Generic	15%			2029	$4,200	1-3	$600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1 Wet Set In Kitchen, 2 Dry Sets In Communication Room								
Explanation : 3 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

Asset Name	: EMS 22 AND FDNY FLEET SERVICES, BUILDING 50 -INTEGRATED FACILITY		
Address	: SEAVIEW HOSPITAL 460 BRIELLE AVE.		
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	: 20-Dec-2016	**Landmark Status**	: HISTORICAL LANDMARK DISTRICT
Areas Surveyed	: Roof, Floors 1		
Block	: 955 **Lot** : 1	**BIN**	: 5113197

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$550,600	
Interior Architecture	$209,800	
Mechanical		$143,000
Site Pavements	$69,700	
Total	**$830,200**	**$143,000**
Importance Code A	$550,600	
Importance Code B	$209,800	$143,000
Importance Code C	$69,700	
Total	**$830,200**	**$143,000**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$31,200	$600	$700	
Interior Architecture	$3,900		$500	
Electrical	$3,300	$11,400	$1,700	$1,300
Mechanical	$1,500	$1,000	$5,400	$1,000
Site Enclosure	$26,400			
Site Pavements	$13,700			
Total	**$79,900**	**$13,100**	**$8,200**	**$2,400**
Importance Code A	$31,700	$1,200	$1,200	$500
Importance Code B	$25,100	$11,900	$7,000	$1,800
Importance Code C	$23,100			
Total	**$79,900**	**$13,100**	**$8,200**	**$2,400**



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 22 AND FDNY FLEET SERVICES, BUILDING 50 -INTEGRATED FACILITY

Asset # : 14007

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	10%	Now	$45,000	LIFE	* *	5	$17,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Column Supports At Covered Walkway								
Diagonal Cracks, Extent : Moderate, Area Affected : 10%								
Location : Column Supports At Covered Walkway								
Efflorescence, Extent : Moderate, Area Affected : 15%								
Location : Column Supports At Covered Walkway								
Spalling, Extent : Moderate, Area Affected : 10%								
Location : Column Supports At Covered Walkway								
Staining/Discoloring, Extent : Light, Area Affected : 20%								
Location : FDNY Garage - Perimeter Walls								
Vegetation Growth, Extent : Moderate, Area Affected : 10%								
Location : Base Of Building								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Building 50 - Integrated Facility								
Explanation : EMS Station / FDNY Garage Contained Within Larger Seaview Hospital Building That Includes Asset 13433								
Masonry: Brick Cavity	29%			LIFE	* *	5	$10,000	
Metal, Corrugated	20%			2048	* *	1		
Metal Panel	20%	0-2	$11,500	2048	* *	5	$12,900	
Corrosion/Rusting, Extent : Moderate, Area Affected : 50%								
Location : Bulkhead Stair And Rooftop Mechanical Enclosure - EMS Roof								
Metal Sect. OHD	10%	4+	$2,500	2041	* *	5	$5,400	
Corrosion/Rusting, Extent : Light, Area Affected : 15%								
Location : FDNY Garage Doors - At Frames								
Pre-Cast Concrete	5%			LIFE	* *	5	$5,600	
Weathering Steel	5%	Now	$13,400	LIFE	* *	1		
Staining/Discoloring, Extent : Moderate, Area Affected : 15%								
Location : Scuppers At Roof								
Other Observation, Extent : Moderate, Area Affected : 15%								
Location : Column Supports At Covered Walkway								
Explanation : Corrosion / Rusting								
Window Wall	1%			2048	* *	5	$1,300	
Windows								
Aluminum	100%			2044	* *	5	$1,300	
Parapets								
Metal Rail	3%	2-4		2041	* *	5	$100	
Deteriorated Finish, Extent : Moderate, Area Affected : 15%								
Location : Railing Atop Bulkhead Stair								
Pre-Cast Concrete	57%			LIFE	* *	5	$2,400	
No Component	10%							
Not Accessible	30%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Rooftop Of Fdny Maintenance Garage								
Explanation : No Access								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Single Ply Membrane	70%	0-2	$505,600	2038	* *			1
Blisters, Extent : Moderate, Area Affected : 30%								
Location : EMS - Main Roof								
Drains Clogged, Extent : Moderate, Area Affected : 15%								
Location : EMS Main Roof - From Accumulated Residue On Roof Surface								
Drains Inad/Misposn, Extent : Moderate, Area Affected : 40%								
Location : EMS Main Roof And Walkway Roof								
Ponding, Extent : Severe, Area Affected : 35%								
Location : All Roofs								
Scupper Non-Func/Miss, Extent : Moderate, Area Affected : 10%								
Location : Covered Walkway (East Side) And West Wall (EMS)								
Vegetation Growth, Extent : Moderate, Area Affected : 35%								
Location : Surrounding Rooftop Mechanical Equipment								
Walk Pads Miss/Displ, Extent : Moderate, Area Affected : 15%								
Location : Existing Walk Pads Very Slippery - EMS Roof								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Above EMS Whelchair Lift Shaftway And At Roof Penetration For Nederman Exhaust In Apparatus Floor								
Other Observation, Extent : Moderate, Area Affected : 25%								
Location : EMS Main Roof								
Explanation : Soft Spots Evident When Walking On Surface								
Not Accessible	30%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Rooftop Of Fdny Maintenance Garage								
Explanation : No Access								
Soffits								
Metal Panel	100%	Now	$3,800	2048	* *	5	$8,500	
Staining/Discoloring, Extent : Moderate, Area Affected : 20%								
Location : Underside Perimeter Of Covered Walkway								
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : Underside Perimeter Of Covered Walkway								
Interior								

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 22 AND FDNY FLEET SERVICES, BUILDING 50 -INTEGRATED FACILITY

Asset # : 14007

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	70%	Now	$132,900	LIFE	* *	5	$24,100	
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Fdny Apparatus Floor								
Misaligned/Bulging, Extent : Severe, Area Affected : 20%								
Location : Fdny Apparatus Floor								
Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 20%								
Location : Repair Failure - Ems Apparatus Floor								
Other Observation, Extent : Severe, Area Affected : 30%								
Location : EMS Apparatus Floor - Wash Bay Area And Fdny Apparatus Floor								
Explanation : Surface Becomes A Slip Hazard When Condensation Or Water Is Present								
Ceramic Tile	5%	0-2	$900	2037	* *	5	$400	
Worn/Eroded, Extent : Moderate, Area Affected : 15%								
Location : Locker Rooms								
Vinyl Tile	25%			2033	* *	3	$1,500	
Interior Walls								
Ceramic Tile	10%			2037	* *	5	$1,400	
Concrete Masonry Unit	30%			LIFE	* *	5	$1,700	
Gypsum Board	60%	Now	$800	LIFE	* *	5	$5,200	
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Hallwy Corridor Between Offices And Apparatus Floor								
Ceilings								
AcousTileSusp.Lay-In	20%			2041	* *	5	$3,100	
Exposed Struc: Steel	40%	0-2	$76,900	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : At Roof Penetrations Within Ems And FDNY Apparatus Floors								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : Components Are Decking And Steel Beams								
Gypsum Board	40%	4+	$1,500	LIFE	* *	5	$7,900	
Water Penetration, Extent : Light, Area Affected : 15%								
Location : Locker Rooms								
Site Enclosure								
Free Standing Walls								
Cast in Place Concrete	100%	Now	$7,900	2048	* *			
Exposed Reinforcement, Extent : Light, Area Affected : 30%								
Location : Parking Lot Walls								
Spalling, Extent : Moderate, Area Affected : 35%								
Location : Parking Lot Walls								

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 22 AND FDNY FLEET SERVICES, BUILDING 50 -INTEGRATED FACILITY

Asset # : 14007

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 Enclosure								
Retaining Walls								
Masonry: Brick	100%	Now	$18,500	2038	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : East Side Planter Adjacent To EMS Entrance								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : East Side Planter Adjacent To EMS Entrance								
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : Evident On Exterior Wall Of EMS Planter Bed								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	70%	4+	$13,700	2033	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Curbs In Parking Area								
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Entry Aprons For All Overhead Doors								
Pavers/Stone	30%			2037	* *			
Parking/Driveway								
Asphalt	100%	Now	$69,700	2037	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Various Locations - Driveway And Parking Lot								

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%			2048	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : Main Service Disconnect Switch Rated At 1,200 Amperes								
Transformers								
Liquid Filled	100%			2033	* *	5	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Electrical Room								
Explanation : No Available Nameplate Ratings								
Switchgear / Switchboard								
Fused Disc Sw	100%			2048	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : 2 - Vertical Sections								
Raceway								
Conduit	100%			2048	* *	1		
Panelboards								
Fused Disc Sw	5%			2044	* *	5		
Molded Case Bkrs	95%			2044	* *	5	$300	

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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		
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%			2048	* *	1		
Motor Controllers								
Locally Mounted	50%			2041	* *	5		
Locally Mounted	50%			2033	* *	5		
Ground								
Grounding Devices								
Not Accessible	100%							
Stand-by Power								
Transfer Switches								
Automatic	100%			2041	* *	1	$3,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : Three Automatic Transfer Switches No Available Nameplate Ratings								
Generators								
Diesel	100%			2037	* *	1	$4,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Of The Building								
Explanation : Emergency Generator Rated At 80 Kilowatts								
Batteries								
Lead/Acid	100%			2022	$1,700	5	$400	
Fuel Storage								
Main Tank	100%			2056	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 275 Gallons Rated Capacity								
Lighting								
Interior Lighting								
Fluorescent	85%			2033	* *	10	$8,200	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Fluorescent	10%			2033	* *	10	$1,000	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Lobby								
Fluorescent	2%			2023	$700	10	$200	
T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : Boiler Rooms								
HID	3%			2033	* *	10		
Other Observation, Extent : Light, Area Affected : 100%								
Location : FDNY Repair Shops								
Explanation : 9 - HID Light Fixtures								
Egress Lighting								
Emergency, Service	50%			2033	* *	1		
Exit, Service	50%			2033	* *	1		

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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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Exterior Lighting								
Fluorescent	80%			2028	$31,300	10	$800	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Outside								
Explanation : 20 Compact Fluorescent Lights.								
HID	20%			2028	$9,200	10		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Outside								
Explanation : 5 - HID Light Fixtures								
Alarm								
Fire/Smoke Detection								
Generic, Digital	100%			2033	* *	1-3	$6,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : EMS 22 Only								
Explanation : Smoke Detectors, Manual Pull Stations, Alarm Bells And Horns								

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%			2048	* *	1		
Conversion Equipment								
Furnace	50%			2033	* *	1	$2,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof, EMS And Fire Department Garages								
Explanation : 2 Packaged Rooftop Units With Gas Heat And 5 Gas Fired Space Heaters								
Hot Water Boiler	50%			2041	* *	1	$2,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : EMS And Fire Department Boiler Rooms								
Explanation : 4 Gas Fired Hot Water Boilers								
Distribution								
Hot Wtr Piping/Pump	100%	Now	$400	2044	* *	4	$500	
Insul. Deteriorating, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Terminal Devices								
Convector/Radiator	100%			2041	* *	1	$3,400	
Air Conditioning								
Energy Source								
Electricity	100%			2044	* *	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	100%			2028	$143,000	2	$600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 2 Package Rooftop Units								

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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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2	$13,700	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$5,900	
Exhaust Fans								
Roof	100%			2033	* *	2	$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2054	* *	1		
Water Heater								
Gas Fired	100%			2026	$7,000	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Explanation : 1 - 250 Gallon Unit								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Backflow Preventer								
Generic	100%			2033	* *	1	$600	
Fixtures								
Generic	100%							
Vertical Transport								
Elevators								
Geared Traction	100%			LIFE	* *			
Fire Suppression								
Sprinkler								
No Component	75%							
Generic	25%			2048	* *	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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$121,500	
Interior Architecture	$130,000	$47,400
Electrical		$93,300
Total	**$251,500**	**$140,700**
Importance Code A	$121,500	
Importance Code B	$130,000	$140,700
Total	**$251,500**	**$140,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$14,800	$300		$21,900
Interior Architecture	$26,700	$3,700	$1,000	
Electrical	$11,300		$100	$100
Mechanical	$2,800	$800	$1,100	$4,100
Total	**$55,500**	**$4,800**	**$2,200**	**$26,100**
Importance Code A	$20,500	$900	$500	$22,400
Importance Code B	$15,900	$4,000	$1,300	$3,600
Importance Code C	$19,100		$300	
Total	**$55,500**	**$4,800**	**$2,200**	**$26,100**



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 BATTALION 40
Asset # : 13164

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	65%	Now	$121,500	LIFE	* *	5	$18,900	
Horizontal Cracks, Extent : Moderate, Area Affected : 5%								
Location : South Facade								
Spalling, Extent : Moderate, Area Affected : 10%								
Location : South Facade								
Vertical Cracks, Extent : Moderate, Area Affected : 5%								
Location : South Facade								
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	$12,200	2046	* *	5	$700	
Corrosion/Rusting, Extent : Moderate, Area Affected : 25%								
Location : Various Lintel Locations Throughout Building.								
Parapets								
Masonry: Brick	75%			LIFE	* *	5	$1,800	
Masonry: Sandstone	5%	Now	$2,200	LIFE	* *	5	$200	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Worn/Eroded, Extent : Moderate, Area Affected : 15%								
Location : Coping At Front Façade								
Metal Panel	10%	Now	$400	2040	* *	5	$500	
Broken/Missing Elements, Extent : Light, Area Affected : 15%								
Location : Missing Coping Enclosure Over Front Facade.								
Stucco Cement	10%			2043	* *	5	$600	
Roof								
Built-Up (BUR)	100%			2035	* *	10	$11,000	
Interior								
Floors								
Cast in Place Concrete	35%	Now	$7,400	LIFE	* *	5	$7,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 50%								
Location : Throughout Basement								
Horizontal Cracks, Extent : Moderate, Area Affected : 10%								
Location : Throughout Basement								
Ceramic Tile	5%	Now	$200	2039	* *	5	$200	
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : 1st And 2nd Floor Bathroom								
Quarry Tile	5%			2043	* *	5	$700	
Vinyl Tile	55%			2030	$47,400	3	$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
EMS BATTALION 40
Asset # : 13164

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%			2039	* *	5	$700	
Gypsum Board	20%			LIFE	* *	5	$1,600	
Masonry: Brick	15%	Now	$16,300	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Bulkhead								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Throughout Basement								
Water Penetration, Extent : Severe, Area Affected : 25%								
Location : Front And Rear Of Basement								
Plaster	50%	Now	$2,800	LIFE	* *	5	$2,000	
Water Penetration, Extent : Light, Area Affected : 10%								
Location : 2nd Floor Bathroom And Weight Room								
Wood	10%			LIFE	* *	5	$5,200	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 2nd Floor Locker Room Area								
Explanation : Wood Paneling Finish								
Ceilings								
AcousTileSusp.Lay-In	53%			2043	* *	5	$6,700	
Exposed Concrete	30%	Now	$130,000	LIFE	* *	5	$600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 30%								
Location : Throughout Basement Ceiling								
Exposed Reinforcement, Extent : Moderate, Area Affected : 30%								
Location : Throughout Basement								
Water Penetration, Extent : Severe, Area Affected : 40%								
Location : Rusted Metal Sidewalk Hatch Allows Water Infiltration								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : North Side Of Basement								
Explanation : Lolly Columns Supporting The Truck Floor Above Are Severely Rusted. Concrete Cover Of Steel Members Has Fallen Off And Exposed Horizontal Steel Member Appears Severely Rusted.								
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	* *			

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 40
Asset # : 13164

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								
Molded Case Bkrs	100%	0-2	$5,200	2060	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : The Service Equipment Is Old And In Bad Condition. The Service End Box Is Rusted And Missing Its Cover.								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2030	$52,200	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 350 Amperes Main Circuit Breaker								
Raceway								
Conduit	100%			2030	$33,500	1		
Panelboards								
Molded Case Bkrs	100%			2029	$41,200	5	$100	
Wiring								
Thermoplastic	100%			2030	$29,600	1		
Ground								
Grounding Devices								
Generic	100%	Now	$6,100	LIFE	* *	5	$100	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Basement								
Explanation : Ground Is Disconnected From The Water Pipe.								
Lighting								
Interior Lighting								
Fluorescent	40%			2030	$6,300	10	$2,000	
Fluorescent	60%			2038	* *	10	$3,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd And 3rd Floor								
Explanation : New T-8 Lamp Type Fixtures Recently Installed.								
Exterior Lighting								
HID	30%			2030	$6,600	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								
Energy Source								
Natural Gas	100%			2050	* *	1		
Conversion Equipment								
Steam Boiler	100%			2043	* *	1	$5,400	
Distribution								
Steam Piping/Pump	100%			2040	* *			
Terminal Devices								
Convector/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	$9,100	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	$2,000	2050	* *	1		
Corroded, Extent : Severe, Area Affected : 10%								
Location : Piping In Basement Near Meter								
No Water Meter, Extent : Light, Area Affected : 100%								
Location : Basement								
Water Heater								
Gas Fired	100%			2025	$3,300	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 75 Gallons								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%			2035	* *	4	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Duplex Unit								
Fixtures								
Generic	100%							
Leaking Faucets/Valves/Heads, Extent : Moderate, Area Affected : 10%								
Location : Bathroom 2nd Floor								

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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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **18-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Roof, Floors 1**		
Block	: **2351** **Lot** : **23**	**BIN**	: **4054172**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$320,200	
Interior Architecture	$330,100	$36,500
Electrical		$80,800
Mechanical		$131,100
Site Pavements	$60,700	
Total	**$711,000**	**$248,400**
Importance Code A	$320,200	$38,000
Importance Code B	$330,100	$210,500
Importance Code C	$60,700	
Total	**$711,000**	**$248,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$41,400		$2,300	
Interior Architecture	$43,100	$5,000	$800	$1,800
Electrical	$2,700	$4,500	$48,600	$2,300
Mechanical	$17,800	$2,500	$31,400	$2,500
Total	**$105,000**	**$12,000**	**$83,100**	**$6,600**
Importance Code A	$48,300	$1,300	$3,500	$1,300
Importance Code B	$48,300	$9,800	$79,600	$5,300
Importance Code C	$8,300	$900		
Total	**$105,000**	**$12,000**	**$83,100**	**$6,600**



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

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								
Concrete Masonry Unit	10%	Now	$21,700	LIFE	* *	5	$1,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : East And West Facades								
Diagonal Cracks, Extent : Moderate, Area Affected : 10%								
Location : East Facade, West Facade								
Vertical Cracks, Extent : Moderate, Area Affected : 10%								
Location : East Facade								
Masonry: Brick	10%	4+	$15,900	LIFE	* *	5	$2,500	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Metal Panel	5%			2049	* *	5-10	$8,500	
Metal Coiling Doors	10%			2042	* *	5	$7,700	
Stucco Cement	65%	Now	$148,700	2034	* *	5	$20,000	
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : At Northeast Corner								
Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
Location : Corners, North And West Facades								
Windows								
Aluminum	75%	4+	$71,900	2045	* *	5	$2,700	
Hardware Missing, Extent : Severe, Area Affected : 60%								
Location : Various Windows In Telemetry Unit								
Unit Inoperable, Extent : Severe, Area Affected : 60%								
Location : Telemetry Unit								
Steel	25%	Now	$99,600	2054	* *	5	$11,200	
Air Infiltration, Extent : Severe, Area Affected : 50%								
Location : Garage								
Broken/Missing Elements, Extent : Severe, Area Affected : 50%								
Location : Garage								
Corrosion/Rusting, Extent : Severe, Area Affected : 50%								
Location : Garage								
Parapets								
Under Construction	100%							
Roof								
Under Construction	100%							
Interior								

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FIRE DEPARTMENT - 057

EMS BATTALION 45/RADIO REPAIR/ TELEMETRY

Asset # : 4438

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	45%	Now	$185,400	LIFE	* *	5	$36,500	
Cracking/Crumbling, Extent : Severe, Area Affected : 50%								
Location : Emergency Response Area - Garage								
Loose/Delam Surface, Extent : Severe, Area Affected : 50%								
Location : Emergency Response Area								
Uneven Surface, Extent : Severe, Area Affected : 50%								
Location : Emergency Response Area - Garage								
Ceramic Tile	3%			2038	* *	5	$1,100	
Panel/Paver: Cer/Brk	5%			2037	* *	5	$4,200	
Quarry Tile	3%			2034	* *	5	$1,700	
Raised Access Floor	5%			2038	* *	5	$7,000	
Steel Plate	1%	Now	$36,200	LIFE	* *	1		
Broken/Missing Elements, Extent : Severe, Area Affected : 25%								
Location : Emergency Response Area								
Deformed/Dented, Extent : Moderate, Area Affected : 25%								
Location : Emergency Response Area								
Uneven Surface, Extent : Moderate, Area Affected : 50%								
Location : Emergency Response Area								
Vinyl Tile	38%	4+	$25,600	2034	* *	3	$5,300	
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Interior Walls								
Ceramic Tile	5%			2038	* *	5	$1,900	
Concrete Masonry Unit	70%			LIFE	* *	5	$10,600	
Gypsum Board	25%	0-2	$8,300	LIFE	* *	5	$5,700	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Toilet Rooms								
Ceilings								
AcousTileConcealSpLn	20%			2042	* *	5	$9,300	
AcousTileSusp.Lay-In	15%	Now	$2,400	2034	* *	5	$2,800	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Office								
Exposed Struc: Steel	65%	Now	$108,500	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Emergency Response Area								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			

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

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								
Asphalt	100%	0-2	$60,700	2038	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Parking Area								
Misaligned/Bulging, Extent : Moderate, Area Affected : 20%								
Location : Parking Area								

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%			2029	$5,200	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Main Service Disconnect Switch Rated At 400 Amperes.								
Switchgear / Switchboard								
Fused Disc Sw	80%			2029	$41,700	5	$100	
Fused Disc Sw	20%			2049	* *	5		
Raceway								
Conduit	80%			2029	$26,800	1		
Conduit	20%			2049	* *	1		
Panelboards								
Fused Disc Sw	10%			2037	* *	5	$100	
Molded Case Bkrs	60%			2028	$24,700	5	$400	
Molded Case Bkrs	20%			2045	* *	5	$100	
Molded Case Bkrs	10%			2037	* *	5	$100	
Wiring								
Thermoplastic	80%			2029	$23,700	1		
Thermoplastic	20%			2049	* *	1		
Motor Controllers								
Locally Mounted	100%			2042	* *	5	$200	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$400	
Stand-by Power								
Transfer Switches								
Automatic	100%			2042	* *	1	$8,300	

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FIRE DEPARTMENT - 057

EMS BATTALION 45/RADIO REPAIR/ TELEMETRY

Asset # : 4438

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
Stand-by Power								
Generators								
Diesel	50%			2038	* *	1	$5,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rear Of The Building								
Explanation : Emergency Generator Rated At 81 Kilovolt-ampere								
Diesel	50%			2038	* *	1	$5,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Right Side Of The Building								
Explanation : Emergency Generator Rated At 83 Kilowatts								
Batteries								
Lead/Acid	100%			2023	$1,600	5	$1,000	
Fuel Storage								
Main Tank	50%			2057	* *	5	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rear Of The Building								
Explanation : 60 Gallons Rated Capacity								
Main Tank	50%			2057	* *	5	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Right Side Of The Building								
Explanation : 250 Gallons Rated Capacity								
Lighting								
Interior Lighting								
Fluorescent	20%			2029	$14,400	10	$4,500	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Telemetry Section								
Fluorescent	60%			2034	* *	10	$13,600	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Shops, Offices								
HID	10%			2029	$2,600	10	$100	
LED	10%			2037	* *			
Egress Lighting								
Emergency, Service	50%			2029	$6,500	1		
Exit, Service	50%			2029	$1,500	1		
Exterior Lighting								
HID	30%			2024	$32,700	10		
No Component	70%							
Alarm								
Security System								
No Component	70%							
Generic	30%			2029	$26,200	1	$3,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Perimeter Of The Building								
Explanation : CCTV Surveillance Cameras								

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FIRE DEPARTMENT - 057

EMS BATTALION 45/RADIO REPAIR/ TELEMETRY

Asset # : 4438

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								
Electricity	5%			2039	* *	1		
Natural Gas	95%			2039	* *	1		
Conversion Equipment								
Furnace	10%	0-2	$5,800	2039	* *	1	$1,100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Roof								
Explanation : Total Five Rooftop Units. One Abandoned Package Unit								
Furnace	20%			2029	$11,700	1	$2,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 2 Rooftop Units								
Furnace	20%			2034	* *	1	$2,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 2 Rooftop Package Units								
Furnace	45%			2029	$26,300	1	$5,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Apparatus Floor And Radio Shop Ceiling								
Explanation : 4 Gas Fired Modine Heaters								
Radiant Heater	5%			2029	$22,000	2	$600	
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	30%			2029	$93,100	2	$500	
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : Roof								
Other Observation, Extent : Light, Area Affected : 30%								
Location : Roof								
Explanation : 2 Units								
Ext Pkg Unit - Heating/Cooling	30%			2034	* *	2	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 2 Units Using Refrigerant R-410a								
Window/Wall Unit	10%			2024	$5,200	1		
No Component	30%							
Dehumidifier								
No Component	80%							
Generic	20%			2030				
Other Observation, Extent : Light, Area Affected : 100%								
Location : Radio Shop								
Explanation : 2 Units								
Ventilation								

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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 BATTALION 45/RADIO REPAIR/ TELEMETRY

Asset # : 4438

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	$11,100	
Ductwork/Diffusers	20%			LIFE	* *	2-5	$2,800	
Exhaust Fans								
Roof	60%			2029	$24,700	2	$500	
Wall Unit	10%			2024	$900	2	$100	
No Component	30%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2024	$15,100	2	$400	
Sanitary Piping								
Cast Iron	100%	0-2	$9,100	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Floor								
Storm Drain Piping								
Cast Iron	100%	0-2	$1,000	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : Roof								
Backflow Preventer								
Generic	100%			2024	$6,300	1	$1,500	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2039	* *	1-2	$6,900	

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

Asset Name	: **EMS BUILDING BATTALION 4**		
Address	: **PIERS 35 AND 36, EAST RIVER 271 MARGINAL STREET**		
Borough	: **MANHATTAN**	**Agency's Number**	: **N/A**
Program / Asset #	: **DGSP005.000 / 2405**	**Yr Built/Renovated**	: **1963 / 2000**
Area Sq Ft	: **12,322**	**Project Type**	: **FIRE DEPARTMENT**
Date of Survey	: **13-Feb-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Roof, Floors 1,2,3**		
Block	: **241** **Lot** : **13**	**BIN**	: **1079601**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$644,500	$127,100
Interior Architecture		$46,900
Electrical	$120,000	$71,700
Total	**$764,400**	**$245,700**
Importance Code A	$644,500	$127,100
Importance Code B	$120,000	$118,600
Total	**$764,400**	**$245,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$57,900		$200	$600
Interior Architecture	$28,600		$2,200	$600
Electrical	$3,700	$1,300	$1,200	$1,100
Mechanical	$2,300	$2,700	$47,800	$2,700
Site Enclosure	$10,100			
Site Pavements	$30,000			
Total	**$132,600**	**$4,000**	**$51,400**	**$5,100**
Importance Code A	$59,000	$1,200	$1,400	$1,800
Importance Code B	$11,200	$2,900	$50,000	$3,300
Importance Code C	$62,300			
Total	**$132,600**	**$4,000**	**$51,400**	**$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 BUILDING BATTALION 4
Asset # : 2405

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	5%	Now	$18,700	LIFE	* *	5	$7,800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Around Ledge Below Parapets								
Masonry: Brick Cavity	70%	Now	$43,400	LIFE	* *	5	$21,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Loose Units, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : Perimeter Of Building								
Explanation : Protection Net Attached To Building Due To Loose Units								
Metal Panel	5%	Now	$2,400	2039	* *	5	$2,900	
Deformed/Dented, Extent : Moderate, Area Affected : 20%								
Location : East Stairway								
Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 20%								
Location : East Stairway								
Metal Coiling Doors	10%			2042	* *	5	$9,700	
Paint Peeling, Extent : Light, Area Affected : 25%								
Location : East Doors								
Pre-Cast Concrete	10%			LIFE	* *	5	$10,100	
Windows								
Aluminum	10%			2045	* *	5	$1,200	
Steel	90%	Now	$601,000	2054	* *	5	$67,400	
Air Infiltration, Extent : Moderate, Area Affected : 65%								
Location : Throughout								
Corrosion/Rusting, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Deteriorated Finish, Extent : Moderate, Area Affected : 65%								
Location : Throughout								
Parapets								
Metal Panel	5%			2049	* *	5	$400	
Pre-Cast Concrete	95%			LIFE	* *	5	$11,400	
Other Observation, Extent : Moderate, Area Affected : 90%								
Location : Throughout								
Explanation : Covered By Safety Mesh/ Netting								

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 BUILDING BATTALION 4
Asset # : 2405

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								
Built-Up (BUR)	92%	Now	$16,800	2034	* *			
Blisters, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Gravel/Slag Surface, Extent : Light, Area Affected : 100%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Modified Bitumen	5%	Now	$9,100	2039	* *			
Blisters, Extent : Moderate, Area Affected : 25%								
Location : Over East Stairway								
Seams Open/Split, Extent : Moderate, Area Affected : 25%								
Location : Over East Stairway								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Over East Stairway								
Skylight, Metal/Glass	3%	Now	$6,000	2029	$59,800			
Corrosion/Rusting, Extent : Moderate, Area Affected : 25%								
Location : Over Stair								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Stair								
Interior								
Floors								
Cast in Place Concrete	65%			LIFE	* *	5	$24,500	
Ceramic Tile	5%	0-2	$1,800	2038	* *	5	$400	
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : Toilets								
Vinyl Tile	30%	Now	$4,700	2029	$46,900	3	$1,900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Patching Evident, Extent : Light, Area Affected : 10%								
Location : Throughout								
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : Throughout								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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 BUILDING BATTALION 4
Asset # : 2405

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%	2-4	$3,500	2038	* *	5	$1,200	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Shower/ Toilets								
Concrete Masonry Unit	65%	Now	$18,200	LIFE	* *	5	$6,200	
Diagonal Cracks, Extent : Moderate, Area Affected : 2%								
Location : West Stair, Mechanical Room, Throughout								
Vertical Cracks, Extent : Moderate, Area Affected : 10%								
Location : Ambulance Bay, Locker Room, Throughout								
Gypsum Board	20%	Now	$400	LIFE	* *	5	$2,800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Lounge, Stoage, Kitchen								
Masonry: Brick	5%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	25%			2034	* *	5	$4,300	
Cracking/Crumbling, Extent : Light, Area Affected : 2%								
Location : Throughout								
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : Throughout								
Exposed Concrete	70%			LIFE	* *	5	$1,900	
Exposed Struc: Steel	5%			LIFE	* *			
Site Enclosure								
Fence/Gates								
Chain Link	100%	4+	$10,100	2049	* *			
Corrosion/Rusting, Extent : Light, Area Affected : 10%								
Location : Throughout								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	Now	$1,500	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Parking/Driveway								
Asphalt	100%	4+	$28,500	2038	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 15%								
Location : Throughout								

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

FIRE DEPARTMENT - 057
EMS BUILDING BATTALION 4
Asset # : 2405

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	90%			2029	$4,700	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : One 3,000 Ampere								
Fused Disc Sw	10%			2039	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : One 400 Ampere Main Disconnect Switch For Emergency								
Switchgear / Switchboard								
Fused Disc Sw	100%			2039	* *	5	$100	
Raceway								
Conduit	90%			2029	$30,100	1		
Conduit	10%			2039	* *	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	75%			2028	$30,900	5	$200	
Molded Case Bkrs	20%			2037	* *	5	$100	
Wiring								
Thermoplastic	80%			2029	$23,700	1		
Thermoplastic	20%			2039	* *	1		
Motor Controllers								
Locally Mounted	70%			2027	$10,800	5	$100	
Locally Mounted	30%			2034	* *	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2034	* *	1	$3,800	
Generators								
Diesel	100%	Now	$70,300	2044	* *	1	$4,300	
Not in Service, Extent : Light, Area Affected : 100%								
Location : Generator Room Outside								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room Outside								
Explanation : One 80 Kilovolt-ampere								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$500	
Fuel Storage								
Day Tank	100%			2037	* *	5	$2,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room Outside								
Explanation : One 75 Gallons								
Lighting								

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FIRE DEPARTMENT - 057
EMS BUILDING BATTALION 4
Asset # : 2405

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	90%			2029	$32,100	10	$10,200	
T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
LED	10%			2037	* *			
Egress Lighting								
Emergency, Battery	50%			2029	$8,900	10	$1,500	
Exit, Service	50%			2029	$700	1		
Exterior Lighting								
HID	100%			2024	$49,700	10		
Alarm								
Security System								
No Component	90%							
Generic	10%			2029	$4,000	1	$500	
Fire/Smoke Detection								
No Component	70%							
Generic, Digital	30%			2029	$40,900	1-3	$2,300	

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%			2039	* *	1		
Conversion Equipment								
Furnace	10%			2029	$2,900	1	$600	
Other Observation, Extent : Light, Area Affected : 10%								
Location : Roof								
Explanation : 1 Package Unit								
Steam Boiler	90%			2042	* *	1	$11,000	
Other Observation, Extent : Light, Area Affected : 90%								
Location : 1st Floor Boiler Room								
Explanation : 1 Unit								
Distribution								
Central Plant Steam Piping/Pmp	90%			2039	* *	4	$800	
No Component	10%							
Terminal Devices								
Convector/Radiator	50%			2027	$33,000	1	$2,000	
Unit Heater - Steam	30%			2034	* *	4	$500	
Unit Heater - Steam	10%			2024	$4,400	4	$100	
No Component	10%							
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		

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

FIRE DEPARTMENT - 057
EMS BUILDING BATTALION 4
Asset # : 2405

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								
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	20%			2029	$30,900	2	$200	
R-22 Refrigerant, Extent : Light, Area Affected : 20%								
Location : Roof								
Window/Wall Unit	40%			2024	$10,300	1		
No Component	40%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : There Is No Ventilation For 2nd Floor Electrical Room								
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$6,900	
Exhaust Fans								
Roof	100%			2029	$20,500	2	$400	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2027	$7,500	2	$200	
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sewage Ejector(s)								
Electric	100%			2029	$3,500	4	$500	
Fixtures								
Generic	100%							
Fire Suppression								
Standpipe								
Generic	100%			2039	* *	1-5	$6,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Wall								
Explanation : Combination Connection								
Sprinkler								
Generic	100%			2039	* *	1-2	$3,500	
Chemical System								
Generic	100%			2024	$27,900	1-3	$3,700	

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

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Mechanical		$61,900
Total		**$61,900**
Importance Code B		$61,900
Total		**$61,900**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture				
Interior Architecture	$8,000		$500	$200
Electrical	$6,400	$100	$100	$100
Mechanical	$200	$100	$1,200	$100
Site Enclosure	$6,500			
Site Pavements	$25,800			
Total	**$46,900**	**$300**	**$1,800**	**$500**
Importance Code A				
Importance Code B	$15,600	$300	$1,300	$500
Importance Code C	$31,300		$500	
Total	**$46,900**	**$300**	**$1,800**	**$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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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	
Paint Peeling, Extent : Light, Area Affected : 25%								
Location : Storage Room								
Vinyl Tile	90%	Now	$8,000	2035	* *	3	$700	
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Worn/Eroded, Extent : Light, Area Affected : 100%								
Location : Throughout								
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	$6,500	2050	* *			
Impact Damage, Extent : Moderate, Area Affected : 25%								
Location : East Side								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	$1,000	2043	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : 99th Street								
On-Site Walkways								
Cast in Place Concrete	100%			2043	* *			
Parking/Driveway								
Asphalt	90%	Now	$18,200	2039	* *			
Ponding, Extent : Moderate, Area Affected : 15%								
Location : Northeast Corner								
Cast in Place Concrete	10%	Now	$6,600	2035	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : 99th Street 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								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : North Edge Of Parking Lot								
Explanation : Presently Served By Hospital								
Raceway								
Conduit	100%			2040	* *	1		
Panelboards								
Molded Case Bkrs	100%			2038	* *	5	$100	
Wiring								
Thermoplastic	100%			2040	* *	1		
Motor Controllers								
Locally Mounted	100%	Now	$3,100	2047	* *	5		
Not in Service, Extent : Moderate, Area Affected : 100%								
Location : Storage Room								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Storage Room								
Explanation : Locked Out / Tagged Out								
Stand-by Power								
Transfer Switches								
Automatic	100%			2035	* *	1	$900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Access Obstructed By Vending Machine And Connected To Portable Generator Receptacle								
Lighting								
Interior Lighting								
Fluorescent	100%			2030	$8,400	10	$2,700	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Egress Lighting								
Emergency, Battery	50%			2030	$2,100	10	$400	
Exit, LED	50%			2045	* *	1		
Exterior Lighting								
HID	50%			2030	$5,800	10		
No Component	50%							
Alarm								
Fire/Smoke Detection								
No Component	90%							
Generic, Analog	10%	0-2	$3,200	2040	* *	1-3	$200	
Local/Battery Operated Detect, Extent : Light, Area Affected : 100%								
Location : Throughout								

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

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
System / Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Electricity	30%			2050	* *	1		
HTHW/HW	70%			2050	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Adjacent Space								
Explanation : Hot Water Is Provided By The Adjacent Space								
Terminal Devices								
Convector/Radiator	100%			2043	* *	1	$900	
Air Conditioning								
Energy Source								
Electricity	100%			2046	* *	1		
Conversion Equipment								
Split Unit	100%			2030	$61,900			
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								
Electric	100%			2028	$2,600	4		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Closet								
Explanation : 50 Gallons								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2050	* *	1-2	$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.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$10,100	$1,200		
Interior Architecture	$2,300		$100	$1,600
Electrical	$100	$100	$100	$3,300
Mechanical	$300	$3,900	$1,400	$46,900
Site Pavements	$18,800			
Total	**$31,500**	**$5,200**	**$1,600**	**$51,800**
Importance Code A	$10,100	$1,200		
Importance Code B	$21,400	$4,000	$1,600	$51,800
Importance Code C				
Total	**$31,500**	**$5,200**	**$1,600**	**$51,800**



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 14 SOUTH BRONX STATION
Asset # : 13986

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	90%			LIFE	* *	5	$6,800	
Metal Coiling Doors	10%			2043	* *	5	$2,300	
Windows								
Aluminum	100%	Now	$10,100	2038	* *	5	$300	
Air Infiltration, Extent : Severe, Area Affected : 40%								
Location : Throughout								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Single Pane								
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+	$2,200	2030	$5,400	3	$200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : Rest Area								
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	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Offices								
AcousTileSusp.Lay-In	2%			2043	* *	5	$100	
Exposed Concrete	95%			LIFE	* *	5	$600	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	$18,800	2043	* *			
Misaligned/Bulging, Extent : Moderate, Area Affected : 10%								
Location : 149th Street								
Parking/Driveway								
Cast in Place Concrete	100%			2043	* *			

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								
Transformers								
Dry Type	100%			2043	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : 45 Kilovolt-ampere Transformer 480-208/120 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 14 SOUTH BRONX STATION
Asset # : 13986

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								
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	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100% Location : Throughout								
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		
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%			2030	$15,500			
Terminal Devices								
Convector/Radiator	30%			2028	$5,600	1	$300	
Fan Coil Unit/Heat	50%			2025	$26,200	1	$600	
Unit Heater - Steam	20%			2030	$2,500	4	$100	
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
EMS STATION 14 SOUTH BRONX STATION
Asset # : 13986

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								
Conversion Equipment								
Window/Wall Unit	50%			2023	$3,600	1		
No Component	50%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Chilled Water Supplied From Hospital								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2	$4,600	
Terminal Devices								
Fan Coil - 4 Pipe	50%			2025	$20,500	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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$74,900	$42,900
Total	**$74,900**	**$42,900**
Importance Code A	$74,900	$42,900
Total	**$74,900**	**$42,900**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$69,000			
Interior Architecture	$66,900	$100	$300	$400
Electrical	$12,600	$500	$2,100	$5,100
Mechanical	$7,200	$400	$600	$5,600
Site Enclosure	$400			
Site Pavements	$6,800			
Total	**$163,000**	**$1,000**	**$3,000**	**$11,100**
Importance Code A	$69,300	$200	$200	$300
Importance Code B	$68,200	$700	$2,500	$10,800
Importance Code C	$25,600		$300	
Total	**$163,000**	**$1,000**	**$3,000**	**$11,100**



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
EMS STATION 15 WILLIAMS BRIDGE STATION
Asset # : 13987

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	85%	4+	$24,000	LIFE	* *	5	$14,900	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 80%								
Location : All Facades								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Side Driveway To Basement								
Masonry: Limestone	10%			LIFE	* *	5	$1,300	
Wood Overhead Doors	5%	2-4	$3,000	2043	* *	5	$2,200	
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : Throughout								
Windows								
Aluminum	10%			2046	* *	5	$200	
Aluminum	10%	Now	$8,300	2055	* *	5	$100	
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 2%								
Location : 3rd Floor Dormitory And Locker Room								
Wood	80%	Now	$13,300	2046	* *	5	$7,400	
Air Infiltration, Extent : Severe, Area Affected : 2%								
Location : Throughout								
Deteriorated Finish, Extent : Severe, Area Affected : 2%								
Location : Throughout								
Water Penetration, Extent : Severe, Area Affected : 50%								
Location : Front Facade Windows								
Parapets								
Cast Stone/Terra Cotta	15%			LIFE	* *	5	$2,000	
Masonry: Brick	80%	Now	$16,700	LIFE	* *	5	$1,400	
Loose/Delam Surface, Extent : Severe, Area Affected : 10%								
Location : Parapet Wall								
Spalling, Extent : Severe, Area Affected : 10%								
Location : Parapet Wall								
Other Observation, Extent : Severe, Area Affected : 50%								
Location : All Faces Of Parapet Wall								
Explanation : Roof Side Of Brick Parapet Walls Coated With Bituminous Tar Which Is Damaging The Brick Units								
Masonry: Brownstone	5%			LIFE	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 5%								
Location : Parapet Coping								
Explanation : Actually Slate Coping Stones								
Roof								
Built-Up (BUR)	95%	0-2	$3,700	2025	$74,900			
Patching Evident, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Skylight, Metal/Glass	5%			2030	$42,900	10	$900	
Interior								

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

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	$27,100	LIFE	* *	5	$8,900	
Horizontal Cracks, Extent : Severe, Area Affected : 100%								
Location : Throughout Basement								
Vinyl Tile	40%	Now	$5,900	2035	* *	3	$1,200	
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : 2nd Floor								
Worn/Eroded, Extent : Severe, Area Affected : 20%								
Location : 2nd Floor								
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	$1,200	LIFE	* *	5	$1,600	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Throughout								
Masonry: Brick	20%	2-4	$11,200	LIFE	* *			
Efflorescence, Extent : Moderate, Area Affected : 10%								
Location : Throughout Basement								
Worn/Eroded, Extent : Moderate, Area Affected : 5%								
Location : Throughout Basement								
Plaster	20%	Now	$4,600	LIFE	* *	5	$800	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Basement								
Paint Peeling, Extent : Severe, Area Affected : 20%								
Location : Throughout Basement								
SGFT/Glazed Masonry	12%	4+	$1,300	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : Throughout								
Wood	2%			LIFE	* *	5	$1,100	
Ceilings								
Embossed Metal	5%	4+	$200	LIFE	* *	5	$200	
Paint Peeling, Extent : Moderate, Area Affected : 2%								
Location : Throughout								
Gypsum Board	40%	Now	$1,800	LIFE	* *	5	$4,100	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Throughout								
Plaster	40%	Now	$13,700	LIFE	* *	5	$2,000	
Broken/Missing Elements, Extent : Severe, Area Affected : 30%								
Location : 3rd Floor Under Roof								
No Component	15%							
Other Observation, Extent : Moderate, Area Affected : 5%								
Location : Basement Ceiling								
Site Enclosure								

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

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 Enclosure								
Fence/Gates								
Chain Link	100%	Now	$400	2050	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Entrance To Driveway								
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	$2,500	2043	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Rear Of Building								
Parking/Driveway								
Asphalt	100%	0-2	$4,300	2039	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								

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%			2050	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Main Service Disconnect Switch Rated At 200 Amperes.								
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	
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Stand-by Power								
Transfer Switches								
Automatic	100%			2043	* *	1	$1,500	

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
EMS STATION 15 WILLIAMS BRIDGE STATION
Asset # : 13987

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
Stand-by Power								
Generators								
Diesel	100%			2039	* *	1	$1,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rear Yard								
Explanation : Emergency Generator Rated At 40 Kilowatts.								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$200	
Fuel Storage								
Main Tank	100%			2058	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rear Yard								
Explanation : 50 Gallons Rated Capacity								
Lighting								
Interior Lighting								
Fluorescent	100%			2035	* *	10	$4,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
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	$2,000	2040	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rear Of The Building								
Explanation : Not Functional								
No Component	70%							
Alarm								
Security System								
No Component	70%							
Generic	30%			2038	* *	1	$600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Perimeter Of The Building								
Explanation : CCTV Surveillance Cameras								

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%			2050	* *	1		

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Estimates are rounded to the nearest hundred dollars.
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FIRE DEPARTMENT - 057
EMS STATION 15 WILLIAMS BRIDGE STATION
Asset # : 13987

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								
Furnace	30%			2030	$3,500	1	$700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1 Unit In Basement, 1 Unit In Apparatus Floor								
Explanation : 2 Units								
Hot Water Boiler	70%			2028	$27,000	1	$1,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Unit								
Distribution								
Hot Wtr Piping/Pump	100%			2038	* *	4	$400	
Terminal Devices								
Convector/Radiator	65%			2028	$17,400	1	$1,100	
Fan Coil Unit/Heat	5%			2030	$3,700	1	$100	
No Component	30%							
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Window/Wall Unit	50%			2025	$5,200	1		
Broken, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Unit								
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%	Now	$1,900	2040	* *	1		
Corroded, Extent : Severe, Area Affected : 5%								
Location : Water Main And Piping, Basement								
Water Heater								
Gas Fired	100%			2029	$3,000	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 75 Gallon Unit								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2024	$200	4	$100	
Fixtures								
Generic	100%							
Obsolete Fixtures, Extent : Moderate, Area Affected : 10%								
Location : 1st Floor Toilet								
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 15 WILLIAMS BRIDGE STATION

Asset # : 13987

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	80%							
Generic	20%	0-2	$4,900	2060	* *	1-2	$200	
Corroded, Extent : Severe, Area Affected : 80%								
Location : Basement								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Interior Architecture		$48,600
Total		**$48,600**
Importance Code B		$48,600
Total		**$48,600**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Interior Architecture	$23,200	$200		$700
Electrical	$100	$100	$100	$100
Mechanical	$100		$300	
Site Pavements	$7,100			
Total	**$30,400**	**$300**	**$400**	**$800**
Importance Code B	$20,500	$100	$400	$800
Importance Code C	$10,000	$200		
Total	**$30,400**	**$300**	**$400**	**$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 16 HARLEM STATION
Asset # : 13985

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								
Soffits								
Cast in Place Concrete	100%			LIFE	* *	5		
Paint Peeling, Extent : Light, Area Affected : 100%								
Location : Decontamination Bay								
Interior								
Floors								
Terrazzo	10%	0-2	$3,000	LIFE	* *	5	$500	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Vinyl Tile	90%	Now	$4,900	2030	$48,600	3	$2,000	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Interior Walls								
Ceramic Tile	5%			2033	* *	5	$400	
Glass: Single Pane	5%			LIFE	* *	5	$300	
Marble Panels	5%			LIFE	* *			
Plaster	85%	Now	$2,900	LIFE	* *	5	$2,000	
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : Mens Locker Room								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Mens Locker Room								
Ceilings								
AcousTileSusp.Lay-In	90%	Now	$2,300	2043	* *	5	$2,700	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Storage Room								
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : Mens Locker Room								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Mens Locker Room								
Exposed Concrete	10%	Now	$10,200	LIFE	* *	5	$100	
Paint Peeling, Extent : Light, Area Affected : 100%								
Location : Decontamination Bay Corridor								
Water Penetration, Extent : Severe, Area Affected : 50%								
Location : Decontamination Bay Corridor								
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+	$7,100	2035	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Decontamination Bay								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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	$10,100	10	$3,200	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Egress Lighting								
Emergency, Service	50%			2030	$900	1		
Exit, Service	50%			2035	* *	1		
Exterior Lighting								
HID	50%			2030	$7,100	10		
No Component	50%							
Alarm								
Fire/Smoke Detection								
No Component	70%							
Generic, Analog	30%			2030	$11,600	1-3	$700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Part Of Hospital System								

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								
Plant Campus Steam / PRV	25%			2040	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Supplied From Harlem Hospital								
No Component	75%							
Distribution								
Steam Piping/Pump	25%			2040	* *			
No Component	75%							
Terminal Devices								
Convector/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		
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	25%			2038	* *	2	$100	
Other Observation, Extent : Light, Area Affected : 100% Location : Hospital Roof Explanation : No Access								
Split Unit	5%			2030	$3,700			
Other Observation, Extent : Light, Area Affected : 100% Location : Medical Equipment Room Lounge Explanation : 2 Units: 1 Wall Mounted And 1 Ceiling Cassette.								
No Component	70%							
Distribution								
Ductwork/Diffusers	25%			LIFE	* *	2	$1,100	
No Component	75%							
Ventilation								
Exhaust Fans								
Roof	100%			2030	$5,800	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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **04-Jun-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Roof, Floors 1**		
Block	: **2905** **Lot** : **30**	**BIN**	: **2817123**

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$4,400		$15,900	$300
Interior Architecture	$1,900	$500		$300
Electrical	$700	$2,200	$6,100	$600
Mechanical	$500	$200	$6,600	$200
Site Pavements	$2,900			
Total	**$10,300**	**$2,900**	**$28,600**	**$1,400**
Importance Code A	$4,900	$100	$16,400	$400
Importance Code B	$2,600	$2,500	$12,100	$1,000
Importance Code C	$2,900	$300		
Total	**$10,300**	**$2,900**	**$28,600**	**$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
EMS STATION 18 BATHGATE STATION
Asset # : 13707

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								
Alum/Vinyl Siding	20%			2049	* *	10	$1,000	
Concrete Masonry Unit	10%			LIFE	* *	5	$1,000	
Masonry: Brick	55%			LIFE	* *	5	$8,800	
Metal Sect. OHD	15%			2042	* *	5	$7,500	
Windows								
Aluminum	100%			2045	* *	5	$600	
Parapets								
Masonry: Brick	90%			LIFE	* *	5	$1,500	
Pre-Cast Concrete	10%	Now	$600	LIFE	* *	5	$1,100	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : Coping								
Open Joints, Extent : Moderate, Area Affected : 25%								
Location : Coping								
Roof								
Modified Bitumen	75%			2034	* *	10	$12,600	
Recent Repair Evident, Extent : Light, Area Affected : 20%								
Location : Throughout								
Single Ply Membrane	20%			2034	* *	10	$3,400	
Sloped Glazing	5%			LIFE	* *	5	$11,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Above Exterior Awning Over Vehicle Entrance								
Explanation : Plastic Glazing								
Soffits								
Metal, Corrugated	100%			2049	* *	1		
Interior								
Floors								
Cast in Place Concrete	65%			LIFE	* *	5	$12,700	
Ceramic Tile	5%			2038	* *	5	$400	
Vinyl Tile	30%			2034	* *	3	$1,300	
Interior Walls								
Ceramic Tile	5%			2038	* *	5	$500	
Concrete Masonry Unit	60%			LIFE	* *	5	$2,600	
Gypsum Board	35%			LIFE	* *	5	$2,200	
Other Observation, Extent : Light, Area Affected : 10%								
Location : Lower Section Of Walls								
Explanation : Protected With Steel Plates								
Ceilings								
AcousTileSusp.Lay-In	35%			2042	* *	5	$3,100	
Exposed Struc: Steel	65%			LIFE	* *			
Site Enclosure								
Fence/Gates								
Cast in Place Concrete	15%			2064	* *			
Chain Link	85%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2034	* *			

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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	40%			2032	* *			
Cast in Place Concrete	60%			2034	* *			
Parking/Driveway								
Asphalt	100%	4+	$2,900	2032	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Throughout								

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%			2049	* *	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%			2049	* *	5		
Raceway								
Conduit	100%			2049	* *	1		
Panelboards								
Fused Disc Sw	20%			2045	* *	5		
Molded Case Bkrs	80%			2045	* *	5	$100	
Wiring								
Thermoplastic	100%			2049	* *	1		
Motor Controllers								
Locally Mounted	100%			2042	* *	5		
Ground								
Grounding Devices								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 100%								
Location :								
Explanation : Covered With Insulation								
Stand-by Power								
Transfer Switches								
Automatic	100%			2042	* *	1	$1,800	
Generators								
Diesel	100%			2038	* *	1	$2,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : Diesel Generator Rated At 40 Kilowatts								
Batteries								
Lead/Acid	100%			2023	$1,600	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
EMS STATION 18 BATHGATE STATION
Asset # : 13707

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
Stand-by Power								
Fuel Storage								
Main Tank	100%			2057	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 50 Gallon Capacity								
Lighting								
Interior Lighting								
Fluorescent	100%			2034	* *	10	$5,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Egress Lighting								
Emergency, Service	50%			2034	* *	1		
Exit, LED	50%			2057	* *	1		
Exterior Lighting								
HID	100%			2034	* *	10		
Alarm								
Fire/Smoke Detection								
No Component	70%							
Generic, Analog	30%			2034	* *	1-3	$1,100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor								
Explanation : Manual Pull Station, Strobe Lights And Alarm Bells								

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%			2049	* *	1		
Conversion Equipment								
Furnace	30%			2029	$4,200	1	$900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 1 Natural Gas Fired Packaged Rooftop Unit								
Radiant Heater	70%			2034	* *	2	$1,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Garage								
Explanation : 3 Natural Gas Fired Space Heaters								
Terminal Devices								
Fan Coil Unit/Heat	10%			2034	* *	1	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Vestibule								
Explanation : Electric Cabinet Unit Heater								
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	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%			2045	* *	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	30%			2029	$22,500	2	$100	
Split Unit	2%			2029	$2,600			
No Component	68%							
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2	$7,800	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$3,300	
Exhaust Fans								
Roof	60%			2029	$6,000	2	$100	
Wall Unit	40%			2029	$900	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	* *	1		
Water Heater								
Gas Fired	100%			2024	$3,700	2	$100	
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
Low Consumption Fixtures, Extent : Light, Area Affected : 100%								
Location : Men And Women Toilet Rooms								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$84,100	$123,000
Electrical	$71,800	
Total	**$155,900**	**$123,000**
Importance Code A	$84,100	$123,000
Importance Code B	$71,800	
Total	**$155,900**	**$123,000**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$23,400		$9,900	
Interior Architecture	$44,900		$2,200	$1,800
Electrical	$15,900	$800	$2,500	$900
Mechanical	$6,200	$1,100	$700	$500
Total	**$90,500**	**$1,900**	**$15,300**	**$3,200**
Importance Code A	$33,600	$300	$10,200	$300
Importance Code B	$31,400	$1,600	$5,100	$2,100
Importance Code C	$25,400			$700
Total	**$90,500**	**$1,900**	**$15,300**	**$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
EMS STATION 19 (FORMER ENGINE CO. 75)
Asset # : 13399

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	75%	Now	$47,200	LIFE	* *	5	$14,600	
Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
Location : West Facade								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 2%								
Location : At Lintel Above Bay Door								
Painted Surfaces, Extent : Moderate, Area Affected : 50%								
Location : West Facade								
Metal Sect. OHD	20%	4+	$6,500	2036	* *	5	$6,100	
Deformed/Dented, Extent : Light, Area Affected : 10%								
Location : Lower Panels Of All Bay Doors								
Pre-Cast Concrete	5%			LIFE	* *	5	$6,300	
Windows								
Aluminum	100%	0-2	$2,000	2047	* *	5	$1,100	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 5%								
Location : Second Floor Window								
Parapets								
Masonry: Brick	40%	Now	$4,500	LIFE	* *	5	$700	
Diagonal Cracks, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Metal Rail	50%			2044	* *	5-10	$16,300	
Pre-Cast Concrete	10%			LIFE	* *	5	$2,300	
Roof								
Built-Up (BUR)	20%	Now	$6,100	2036	* *			
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 10%								
Location : Lower Roof								
Modified Bitumen	80%	0-2	$36,900	2031	$123,000			
Blisters, Extent : Moderate, Area Affected : 20%								
Location : Upper Roof								
Interior								
Floors								
Cast in Place Concrete	55%	Now	$3,300	LIFE	* *	5	$13,100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Room								
Ceramic Tile	10%			2040	* *	5	$1,100	
Vinyl Tile	35%	Now	$10,400	2031	$34,500	3	$1,400	
Broken/Missing Elements, Extent : Light, Area Affected : 25%								
Location : 2nd Floor Locker Rooms								
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : 2nd Floor Locker Rooms								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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%			2040	* *	5	$1,500	
Concrete Masonry Unit	10%			LIFE	* *	5	$1,200	
Gypsum Board	10%			LIFE	* *	5-10	$2,500	
Masonry: Brick	10%			LIFE	* *	10	$400	
Masonry: Fieldstone	10%	Now	$21,500	LIFE	* *			
Other Observation, Extent : Severe, Area Affected : 25%								
Location : Basement								
Explanation : Water Penetration								
Plaster	50%	Now	$1,300	LIFE	* *	5	$2,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Basement Stair								
Ceilings								
AcousTileSusp.Lay-In	40%			2044	* *	5	$4,300	
Embossed Metal	40%			LIFE	* *	5	$3,900	
Exposed Concrete	5%			LIFE	* *	5-10	$700	
Exposed Struc: Steel	15%			LIFE	* *	10	$3,300	
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		
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%	2-4	$5,200	2061	* *	5		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : Main Service Switch Rated At 600 Amperes, Rusting Due To Water Leak Above.								
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		
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%			2041	* *	1		
Motor Controllers								
Locally Mounted	100%			2036	* *	5		
Ground								
Grounding Devices								
Generic	100%	2-4	$10,200	LIFE	* *	5	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : Corroded								
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	* *	1	$2,000	
Generators								
Diesel	100%			2034	* *	1	$2,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : Emergency Generator Rated At 40 Kilowatts								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$200	
Fuel Storage								
Main Tank	100%			2046	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Building Backyard								
Explanation : No Available Nameplate Rating Capacity								
Lighting								
Interior Lighting								
Fluorescent	60%			2031	$11,300	10	$3,600	
T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
LED	40%			2039	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Explanation : LED Fixtures Installed In 2017.								
Egress Lighting								
Emergency, Service	50%			2031	$1,700	1		
Exit, LED	50%			2046	* *	1		
Exterior Lighting								
HID	100%			2031	$26,200	10		
Alarm								
Fire/Smoke Detection								
Generic, Analog	100%	Now	$71,800	2041	* *	1-3	$3,600	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Explanation : Fire Alarm Is Not Operational.								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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%	2-4	$5,000	2036	* *	1	$2,900	
Malfunctioning, Extent : Severe, Area Affected : 10%								
Location : Basement								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	100%			2039	* *	4	$500	
Terminal Devices								
Convector/Radiator	60%			2036	* *	1	$1,300	
Unit Heater - Steam	40%			2031	$9,300	4	$400	
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Split Unit	10%			2036	* *			
Window/Wall Unit	60%			2029	$8,100	1		
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	* *	2-5	$2,300	
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								
Gas Fired	100%			2029	$4,000	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One - 80 Gallon Unit Used With Solar Unit								
HW Heat Exchanger								
Steam Fired	100%			2051	* *	4	$1,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof / Basement								
Explanation : Solar								
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		
System / Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Sump Pump(s)								
Non-Submersible	100%	0-2	$200	2031	$1,000	4	$100	
Corroded, Extent : Severe, Area Affected : 10%								
Location : The Housing								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Dual Unit								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 : **29-Nov-2016**
Landmark Status : **NONE**
Areas Surveyed : **Roof, Floors 1**
Block : **4205** **Lot** : **1**
BIN : **2097552**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$302,200	$144,100
Interior Architecture	$43,000	
Electrical	$37,200	$142,100
Mechanical	$153,900	
Site Pavements	$222,800	
Total	**$759,100**	**$286,200**
Importance Code A	$302,200	$144,100
Importance Code B	$191,100	$142,100
Importance Code C	$265,800	
Total	**$759,100**	**$286,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$58,500	$1,300		
Interior Architecture	$43,500			$200
Electrical	$7,500	$14,500	$1,200	$1,400
Mechanical	$15,400	$11,200	$400	$400
Site Pavements	$30,800			
Total	**$155,800**	**$27,000**	**$1,600**	**$2,000**
Importance Code A	$58,500	$1,300		
Importance Code B	$63,900	$25,700	$1,600	$2,000
Importance Code C	$33,400			
Total	**$155,800**	**$27,000**	**$1,600**	**$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

EMS STATION 20 MORRIS PARK STATION

Asset # : 13990

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	85%	Now	$130,800	LIFE	* *	5	$8,100	
Broken/Missing Elements, Extent : Severe, Area Affected : 15%								
Location : At Entry Doors, Flag Pole Anchors, Building Corners, Underside Of Window Sills								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Loose/Delam Surface, Extent : Severe, Area Affected : 30%								
Location : At Entry Doors, Flag Pole Anchors, Building Corners, Underside Of Window Sills								
Staining/Discoloring, Extent : Moderate, Area Affected : 50%								
Location : Lower Half Of All Facades								
Vegetation Growth, Extent : Severe, Area Affected : 20%								
Location : East Elevation And At Base Of Building - Perimeter Entire								
Water Penetration, Extent : Moderate, Area Affected : 35%								
Location : At Base Of North And East Perimeter Walls - Seeps Through From Exterior								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Northern Half Of Building								
Explanation : The Ems Facility Resides In Portion Of Building Entire								
Metal Panel	10%	Now	$700	2038	* *	5	$1,800	
Deformed/Dented, Extent : Moderate, Area Affected : 20%								
Location : At Building Corners And Window Sills								
Seams Open/Split, Extent : Moderate, Area Affected : 20%								
Location : At Building Corners And Window Sills								
Metal Coiling Doors	5%	Now	$28,900	2048	* *	5	$700	
Deformed/Dented, Extent : Moderate, Area Affected : 30%								
Location : Panel Of Door And At Door Track								
Windows								
Aluminum	100%	Now	$121,200	2053	* *	5	$1,400	
Air Infiltration, Extent : Severe, Area Affected : 30%								
Location : Windows - East Elevation								
Glazing Broken/Cracked, Extent : Severe, Area Affected : 20%								
Location : Observed Within Apparatus Floor And East Side Of Building - Assumed Throughout								
Unit Inoperable, Extent : Severe, Area Affected : 30%								
Location : Observed Within Apparatus Floor And East Side Of Building - Assumed Throughout								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Observed Within Apparatus Floor And East Side Of Building - Assumed Throughout								
Explanation : All Windows Are At The End Of Their Useful 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

EMS STATION 20 MORRIS PARK STATION

Asset # : 13990

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								
Modified Bitumen	100%	Now	$28,800	2028	$144,100			
Gut/DS Non Func/Miss, Extent : Severe, Area Affected : 25%								
Location : Water Sheeting Over Soffit Edge Eroding Grounds								
Reflective Surface, Extent : Light, Area Affected : 100%								
Location : Roof Entire								
Seams Open/Split, Extent : Moderate, Area Affected : 20%								
Location : West Side Of Roof - Observed From Ground Plane								
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : Roof Penetrations And North East Corner Of Storage Room								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof Entire								
Explanation : Condition Of Roof Observed From Ground Plane. No Access Hatch Available								
Soffits								
Metal Panel	30%			2038	* *	5-10	$4,800	
Stucco Cement	70%	Now	$50,200	2048	* *	5	$2,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Various Locations On The Underside Of Perimeter Soffit								
Loose/Delam Surface, Extent : Severe, Area Affected : 25%								
Location : East Side Of Building								
Staining/Discoloring, Extent : Moderate, Area Affected : 50%								
Location : Evidence Of Water Saturation Throughout Perimeter Soffits								
Interior								
Floors								
Cast in Place Concrete	87%	0-2	$16,100	LIFE	* *	5	$31,700	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Various Locations At Perimeter Of Apparatus Floor								
Ceramic Tile	3%			2031	$10,300	5	$500	
Vinyl Tile	10%	Now	$1,500	2033	* *	3	$600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : Dispatch Offices								
Interior Walls								
Ceramic Tile	5%	Now	$1,000	2031	$19,100	5	$300	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Partitions At Shower Stalls In Locker Rooms								
Gypsum Board	55%	Now	$1,600	LIFE	* *	5	$4,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Partitions At Shower Stalls In Locker Rooms								
SGFT/Glazed Masonry	40%	Now	$43,000	LIFE	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 15%								
Location : Apparatus Floor - At Columns, Wall Openinge - At Entry Doors								
Water Penetration, Extent : Moderate, Area Affected : 35%								
Location : At Base Of North And East Perimeter Walls - Seeps Through From Exterior								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
Plaster	100%	Now	$23,300	LIFE	* *	5	$10,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Where Ceiling Meets Wall In Corridor								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : At Exhaust Hood In Apparatus Floor And North East Corner Of Storage Room								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2038	* *			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	Now	$15,700	2048	* *			
Sinking/Subsiding, Extent : Severe, Area Affected : 40%								
Location : Perimeter Walkways At Building And Parking Lot								
Parking/Driveway								
Asphalt	10%	Now	$15,100	2043	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : North East Portion Of Lot								
Cast in Place Concrete	90%	Now	$222,800	2048	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 25%								
Location : At Apron And Approach To Overhead Entry Door								
Ponding, Extent : Severe, Area Affected : 35%								
Location : Access Road To Apparatus Floor								
Sinking/Subsiding, Extent : Moderate, Area Affected : 30%								
Location : Throughout Parking Area								

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								
Raceway								
Conduit	100%			2028	$33,500	1		
Panelboards								
Fused Disc Sw	20%			2027	$8,200	5	$100	
Molded Case Bkrs	80%			2027	$32,900	5	$300	
Wiring								
Braided Cloth	20%	2-4	$5,900	2053	* *	1		
Insulation Aged, Extent : Severe, Area Affected : 100%								
Location : Throughout The Building								
Thermoplastic	80%			2028	$23,700	1		
Motor Controllers								
Locally Mounted	100%			2026	$15,400	5	$100	
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 20 MORRIS PARK STATION
Asset # : 13990

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	100%			2023	$37,200	10	$11,800	
T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Egress Lighting								
Exit, Service	100%			2023	$1,500	1		
Alarm								
Security System								
Generic	100%			2036	* *	1	$4,800	
Other Observation, Extent : Light, Area Affected : 10%								
Location : Cctv Surveillance Camera In The Front And Back Of The Building.								
Explanation : CCTV Surveillance Camera								
Fire/Smoke Detection								
Generic, Digital	100%			2028	$142,100	1-3	$8,200	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Explanation : Strobe Lights, Manual Pull Station And Horns								

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								
Plant Campus Steam / PRV	80%			2038	* *	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 Piping/Pmp	80%	Now	$8,700	2038	* *	4	$500	
Leak Evident, Extent : Severe, Area Affected : 100%								
Location : Front Of Garage Door, 1st Floor								
No Component	20%							
Terminal Devices								
Fan Coil Unit/Heat	80%	0-2	$153,900	2038	* *	1	$3,000	
On Extended Life, Extent : Severe, Area Affected : 100%								
Location : Throughout								
No Component	20%							
Air Conditioning								
Energy Source								
Electricity	50%			2044	* *	1		
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

EMS STATION 20 MORRIS PARK STATION

Asset # : 13990

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								
Conversion Equipment								
Window/Wall Unit	30%			2023	$8,000	1		
No Component	70%							
Ventilation								
Exhaust Fans								
Interior	20%			2033	* *	2	$100	
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%	Now	$4,800	2038	* *	1		
Leak Evident, Extent : Moderate, Area Affected : 10%								
Location : Bathroom								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%	Now	$1,300	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 5%								
Location : Gutters								
Sump Pump(s)								
Submersible	100%			2022	$400	4	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : 2 Units								
Fixtures								
Generic	100%							
Obsolete Fixtures, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Fire Suppression								
Chemical System								
No Component	90%							
Generic	10%			2023	$2,800	1-3	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Fire Extinguishers								

Note : 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$37,400	
Interior Architecture	$73,700	
Electrical		$109,400
Total	**$111,200**	**$109,400**
Importance Code A	$37,400	
Importance Code B	$73,700	$109,400
Total	**$111,200**	**$109,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$21,000			$1,100
Interior Architecture	$22,400	$200		$500
Electrical	$11,200	$500	$1,300	$9,600
Mechanical	$600	$500	$500	$5,200
Site Enclosure	$5,400			
Site Pavements	$1,200			
Total	**$61,600**	**$1,300**	**$1,800**	**$16,400**
Importance Code A	$21,300	$400	$400	$1,500
Importance Code B	$28,400	$700	$1,400	$15,000
Importance Code C	$11,900	$200		
Total	**$61,600**	**$1,300**	**$1,800**	**$16,400**



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 26 MORRISANIA STATION
Asset # : 13991

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								
Metal, Corrugated	95%	Now	$21,000	2056	* *	1		
Corrosion/Rusting, Extent : Severe, Area Affected : 20%								
Location : Bottom Of Street Wall								
Deformed/Dented, Extent : Moderate, Area Affected : 40%								
Location : Throughout								
Metal Coiling Doors	5%			2035	* *	5	$2,200	
Windows								
Aluminum	100%			2046	* *	5	$600	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Roof								
Metal Panel	100%			2043	* *	10	$37,400	
Interior								
Floors								
Cast in Place Concrete	55%	0-2	$12,700	LIFE	* *	5	$12,500	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Apparatus								
Ceramic Tile	5%	0-2	$4,300	2033	* *	5	$300	
Cracking/Crumbling, Extent : Severe, Area Affected : 40%								
Location : Throughout								
Vinyl Tile	40%	Now	$37,800	2040	* *	3	$1,600	
Patching Evident, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Worn/Eroded, Extent : Severe, Area Affected : 25%								
Location : Throughout								
Interior Walls								
Ceramic Tile	5%			2033	* *	5	$500	
Concrete Masonry Unit	55%			LIFE	* *	5	$2,000	
Metal Panel	40%	0-2	$5,400	LIFE	* *			
Deformed/Dented, Extent : Light, Area Affected : 20%								
Location : Throughout								
Ceilings								
AcousTileSusp.Lay-In	100%	0-2	$36,000	2035	* *	5	$5,200	
Cracking/Crumbling, Extent : Severe, Area Affected : 60%								
Location : Throughout								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	$5,400	2050	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 100%								
Location : Front Of Building								
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 26 MORRISANIA STATION
Asset # : 13991

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								
On-Site Walkways								
Cast in Place Concrete	100%	4+	$1,200	2043	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Rear Of Building								

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%			2030	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front Office								
Explanation : One 200 Amperes Service								
Raceway								
Conduit	100%			2030	$33,500	1		
Panelboards								
Fused Disc Sw	5%			2029	$2,100	5		
Molded Case Bkrs	95%			2029	$39,100	5	$200	
Wiring								
Braided Cloth	30%	2-4	$8,900	2055	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Thermoplastic	70%			2030	$20,700	1		
Motor Controllers								
Locally Mounted	100%			2028	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2028	$5,200	1	$2,300	
Generators								
Diesel	100%			2026	$70,300	1	$2,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Rear Of Building								
Explanation : 80 Kilovolt-ampere								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$300	
Fuel Storage								
Day Tank	100%			2029	$600	5	$1,400	
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.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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

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								
HID	5%			2030	$400	10		
LED	95%			2038	* *			
Egress Lighting								
Emergency, Service	60%			2038	* *	1		
Exit, Service	40%			2030	$400	1		
Exterior Lighting								
HID	30%			2025	$9,100	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								
Energy Source								
Natural Gas	100%			2040	* *	1		
Conversion Equipment								
Furnace	50%			2035	* *	1	$1,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : 3 Units								
Hot Water Boiler	50%			2047	* *	1	$1,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Boiler Room								
Explanation : One Unit								
Distribution								
Hot Wtr Piping/Pump	50%			2038	* *	4	$300	
No Component	50%							
Terminal Devices								
Convector/Radiator	50%			2035	* *	1	$1,200	
No Component	50%							
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Window/Wall Unit	30%			2025	$4,700	1		
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	* *	1		
Water Heater								
Gas Fired	100%			2029	$4,600	2	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor Locker Room								
Explanation : Gas Fired Domestic Hot Water 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
EMS STATION 26 MORRISANIA STATION
Asset # : 13991

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								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **18-Nov-2016**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,3,4**		
Block	: **3374** **Lot** : **10**	**BIN**	: **2019007**

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture		$11,600	$600	
Interior Architecture	$900	$1,400	$800	
Electrical	$2,000	$4,000	$2,400	$2,200
Mechanical	$1,400	$1,300	$2,300	$1,400
Total	**$4,300**	**$18,200**	**$6,000**	**$3,600**
Importance Code A	$500	$12,200	$1,200	$600
Importance Code B	$3,300	$6,000	$4,900	$2,900
Importance Code C	$500			
Total	**$4,300**	**$18,200**	**$6,000**	**$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.*

FIRE DEPARTMENT - 057
EMS STATION 27
Asset # : 13993

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%			LIFE	* *	5	$17,000	
Metal Panel	10%			2048	* *	5-10	$16,700	
Metal Sect. OHD	20%			2041	* *	5	$15,200	
Windows								
Aluminum	100%			2044	* *	5	$1,200	
Parapets								
Metal Panel	100%			2048	* *	5	$6,700	
Roof								
Built-Up (BUR)	20%			2033	* *	10	$1,600	
Metal Panel	50%			2041	* *	10	$7,400	
Plaza Roof: Stone Panels	5%			2048	* *			
Single Ply Membrane	25%			2033	* *	10	$2,000	
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	* *	5	$19,700	
Ceramic Tile	5%			2037	* *	5	$900	
Sheet Vinyl/Rubber	10%			2033	* *	5	$2,700	
Vinyl Tile	35%			2033	* *	3	$2,400	
Interior Walls								
Ceramic Tile	5%			2037	* *	5	$900	
Concrete Masonry Unit	50%			LIFE	* *	5	$3,800	
Glazed Ceramic Panel	10%			LIFE	* *			
Gypsum Board	15%			LIFE	* *	5	$1,700	
Metal Panel	10%			LIFE	* *			
Plaster	10%			LIFE	* *	5	$600	
Ceilings								
Metal Panel	20%			LIFE	* *	5	$4,500	
Plaster	20%			LIFE	* *	5	$2,300	
Plaster	60%			LIFE	* *	5	$6,800	
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	100%			2041	* *			

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%			2054	* *	5	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Electrical Room Basement								
Explanation : One 400 Amperes Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2054	* *	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
EMS STATION 27
Asset # : 13993

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								
Raceway								
Conduit	100%			2054	* *	1		
Panelboards								
Fused Disc Sw	10%			2050	* *	5		
Molded Case Bkrs	90%			2050	* *	5	$300	
Wiring								
Thermoplastic	100%			2054	* *	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	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : Two Automatic Transfer Switches								
Generators								
Diesel	100%			2041	* *	1	$4,700	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Generator Room - Basement								
Explanation : One 83 Kilowatts								
Batteries								
Lead/Acid	100%			2023	$1,600	5	$400	
Fuel Storage								
Main Tank	100%			2063	* *	5	$400	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : One 2366 Gallons								
Lighting								
Interior Lighting								
Fluorescent	100%			2036	* *	10	$11,000	
T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Egress Lighting								
Emergency, Service	60%			2036	* *	1		
Exit, Service	40%			2036	* *	1		
Exterior Lighting								
HID	100%			2036	* *	10		
Alarm								
Security System								
Generic	100%			2036	* *	1	$4,500	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Inside And Outside								
Explanation : Seven CCTV Surveliance Camera								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
System / Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Alarm								
Fire/Smoke Detection								
Generic, Digital	100%			2036	* *	1-3	$7,400	

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								
Electricity	10%			2054	* *	1		
Natural Gas	90%			2054	* *	1		
Conversion Equipment								
Furnace	50%			2033	* *	1	$3,000	
Other Observation, Extent : Light, Area Affected : 50%								
Location : Roof								
Explanation : 3 Rooftop Package Units								
Hot Water Boiler	40%			2041	* *	1	$2,400	
Other Observation, Extent : Light, Area Affected : 40%								
Location : Basement Boiler Room								
Explanation : 1 Unit								
Radiant Heater	10%			2033	* *	2	$600	
Other Observation, Extent : Light, Area Affected : 10%								
Location : Staircases								
Explanation : 6 Sections Of Electric Baseboard								
Distribution								
Hot Wtr Piping/Pump	40%			2050	* *	4	$400	
No Component	60%							
Terminal Devices								
Convector/Radiator	15%			2041	* *	1	$600	
Fan Coil Unit/Heat	15%			2033	* *	1	$600	
Unit Heater - Steam	10%			2033	* *	4	$100	
No Component	60%							
Air Conditioning								
Energy Source								
Electricity	100%			2050	* *	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	50%			2036	* *	2	$400	
Other Observation, Extent : Light, Area Affected : 50%								
Location : Roof								
Explanation : 3 Rooftop Package Units. R-410a								
Split Unit	10%			2033	* *			
Other Observation, Extent : Light, Area Affected : 10%								
Location : Roof								
Explanation : 2 Units. R-410a								
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.*

FIRE DEPARTMENT - 057
EMS STATION 27
Asset # : 13993

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	10%			2033	* *	1	$400	
No Component	90%							
Heat Rejection								
Evaporative Condenser	10%			2033	* *	2	$800	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$6,700	
Exhaust Fans								
Interior	15%			2033	* *	2	$100	
Roof	85%			2033	* *	2	$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2048	* *	1		
Water Heater								
Gas Fired	100%			2026	$7,300	2	$200	
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Backflow Preventer								
Generic	100%			2036	* *	1	$700	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2054	* *	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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Interior Architecture		$35,600
Total		**$35,600**
Importance Code B		$35,600
Total		**$35,600**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture		$10,200		
Interior Architecture	$27,200		$200	$500
Electrical		$100		$2,700
Mechanical	$13,600	$100	$1,100	$7,700
Site Pavements	$26,500			
Total	**$67,300**	**$10,400**	**$1,200**	**$10,900**
Importance Code A		$10,200		
Importance Code B	$39,500	$200	$1,200	$10,900
Importance Code C	$27,700			
Total	**$67,300**	**$10,400**	**$1,200**	**$10,900**



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 31 CUMBERLAND STATION

Asset # : 13994

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	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	$2,000	LIFE	* *	5	$4,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Garage Area								
Ceramic Tile	5%			2039	* *	5	$300	
Vinyl Tile	65%	Now	$10,700	2030	$35,600	3	$1,500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Recent Repair Evident, Extent : Light, Area Affected : 20%								
Location : Throughout								
Interior Walls								
Ceramic Tile	5%	Now	$1,200	2039	* *	5	$200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Shower Stalls								
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	$13,300	2035	* *	5	$2,600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Exposed Concrete	10%			LIFE	* *	5	$100	
Exposed Struc: Steel	5%			LIFE	* *			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	Now	$3,100	2035	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 40%								
Location : Walkway Adjacent To Lieutenant Office Window								
Parking/Driveway								
Asphalt	100%	Now	$23,400	2033	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : At Vehicle Entry And Adjacent Parking Spaces								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : In Hallway								
Explanation : Breaker Panel In Use								
Wiring								
Thermoplastic	100%			2040	* *	1		
Motor Controllers								
Locally Mounted	100%			2028	$15,400	5		
Lighting								
Interior Lighting								
Fluorescent	100%			2030	$9,300	10	$2,900	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 75%								
Location : Throughout								
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 25%								
Location : Throughout								
Egress Lighting								
Emergency, Battery	50%			2025	$2,300	10	$400	
Exit, Service	50%			2030	$200	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Egress Fixtures Connected To Main Building Service								
Exterior Lighting								
HID	50%			2030	$6,500	10		
Outdr Lights On During Daytime, Extent : Light, Area Affected : 100%								
Location : Outside Perimeter								
No Component	50%							

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%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Throughout								
Explanation : Utilities Provided From Main Hospital Building								
Conversion Equipment								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Throughout								
Explanation : Provided From Main Hospital 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 31 CUMBERLAND STATION
Asset # : 13994

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								
Ductwork/Diffusers	50%	4+	$800	LIFE	* *	2-5	$900	
Damaged, Extent : Moderate, Area Affected : 100%								
Location : Diffusers In Locker Room								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Office And Break Area And Lockers								
Explanation : Area Served By Heating / Cooling Ducts And Diffusers								
Hot Wtr Piping/Pump	50%			2046	* *	4	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Garage								
Explanation : Hot Water System Serves Garage Unit Heaters								
Terminal Devices								
Fan Coil Unit/Heat	40%	Now	$9,600	2040	* *	1	$400	
Broken, Extent : Severe, Area Affected : 50%								
Location : 2 Hydronic Units In Garage								
Other Observation, Extent : Light, Area Affected : 50%								
Location : Garage								
Explanation : 2 Electric Units								
No Component	60%							
Air Conditioning								
Energy Source								
Not Accessible	100%							
Conversion Equipment								
Split Unit	50%	4+	$1,700	2030	$34,200			
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Storage Room								
Explanation : 2 Units. Condensate Drains Reported To Back Up								
Window/Wall Unit	50%			2025	$3,300	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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Water Heater								
Electric	50%			2025	$1,400	4		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Garage								
Explanation : One 50 Gallon Unit Serves Garage Utility Sink								
No Component	50%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Locker Areas								
Explanation : Hot Water Provided From Main Hospital Building								
Sanitary Piping								
Cast Iron	100%	Now	$1,200	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : Hallway								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%			2030	$500	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	$2,800	1-3	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Fire Extinguishers								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$96,100	$298,500
Mechanical		$153,700
Site Pavements	$64,900	
Total	**$161,000**	**$452,200**
Importance Code A	$96,100	$298,500
Importance Code B		$153,700
Importance Code C	$64,900	
Total	**$161,000**	**$452,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$24,600	$4,200		
Interior Architecture	$2,700	$1,800	$1,000	$400
Electrical	$1,000	$1,300	$2,800	$9,000
Mechanical	$14,000	$700	$3,500	$23,200
Site Enclosure	$2,200			
Total	**$44,600**	**$8,000**	**$7,200**	**$32,600**
Importance Code A	$25,000	$4,600	$400	$400
Importance Code B	$17,300	$3,400	$6,200	$32,200
Importance Code C	$2,200		$700	
Total	**$44,600**	**$8,000**	**$7,200**	**$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

EMS STATION 32 EMS - BROOKLYN HEIGHTS/RED HOOK

Asset # : 13875

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	65%	Now	$56,200	LIFE	* *	5	$8,700	
Efflorescence, Extent : Moderate, Area Affected : 15%								
Location : Parking Lot Facade								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 20%								
Location : East Facade								
Metal Panel	10%	0-2	$2,100	2050	* *	5	$2,500	
Corrosion/Rusting, Extent : Moderate, Area Affected : 5%								
Location : East And West Facades								
Deteriorated Finish, Extent : Light, Area Affected : 10%								
Location : East Facade								
Metal Sect. OHD	20%			2043	* *	5	$8,400	
Slate Panels	5%	Now	$7,500	LIFE	* *	5	$500	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : North Facade								
Spalling, Extent : Moderate, Area Affected : 10%								
Location : North Facade								
Windows								
Aluminum	100%			2046	* *	5	$1,500	
Parapets								
Masonry: Brick	80%	Now	$39,900	LIFE	* *	5	$3,200	
Diagonal Cracks, Extent : Moderate, Area Affected : 20%								
Location : Interior Face								
Efflorescence, Extent : Moderate, Area Affected : 10%								
Location : Interior Face								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 15%								
Location : East Facade								
Masonry: Limestone	20%			LIFE	* *	5	$1,000	
Roof								
Modified Bitumen	100%	Now	$14,900	2030	$298,500			
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Over Mens Locker Room And Conference Room								
Soffits								
Metal Panel	100%	4+	$100	2050	* *	5	$1,300	
Corrosion/Rusting, Extent : Light, Area Affected : 10%								
Location : Main Entrance								
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 32 EMS - BROOKLYN HEIGHTS/RED HOOK

Asset # : 13875

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	70%			LIFE	* *	5	$18,800	
Ceramic Tile	5%			2039	* *	5	$600	
Vinyl Tile	25%	4+	$1,400	2035	* *	3	$1,100	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Main Entrance								
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	$1,300	LIFE	* *	5	$1,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Mens Locker And Conference Room								
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : Mens Locker And Conference Room								
Site Enclosure								
Fence/Gates								
Chain Link	53%	Now	$300	2050	* *			
Impact Damage, Extent : Moderate, Area Affected : 10%								
Location : Along East Property Line								
Iron Picket	47%	Now	$1,900	2065	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : Gate Along Carroll Street								
Corrosion/Rusting, Extent : Moderate, Area Affected : 10%								
Location : Along Carroll Street								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2043	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2043	* *			
Parking/Driveway								
Asphalt	95%	Now	$64,900	2039	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
Location : Parking Lot								
Ponding, Extent : Moderate, Area Affected : 30%								
Location : Parking Lot								
Potholes, Extent : Severe, Area Affected : 20%								
Location : Parking Lot								
Cast in Place Concrete	5%			2043	* *			

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

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : One 400 Ampere Main Disconnect Switch								
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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Enclosure - Outside								
Explanation : One 180 Kilowatt Capacity								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$300	
Fuel Storage								
Day Tank	50%			2046	* *	5	$800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Enclosure - Outside								
Explanation : One 150 Gallon								
Main Tank	50%			2058	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Underground								
Explanation : One 2,500 Gallon								
Lighting								
Interior Lighting								
Fluorescent	100%			2035	* *	10	$7,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Egress Lighting								
Emergency, Service	40%			2035	* *	1		
Emergency, Battery	10%			2035	* *	10	$200	
Exit, Battery	50%			2035	* *	10	$300	

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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 32 EMS - BROOKLYN HEIGHTS/RED HOOK

Asset # : 13875

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								
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		
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								
Hot Water Boiler	100%			2035	* *	1	$4,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Mechanical Room								
Explanation : One Unit								
Distribution								
Hot Wtr Piping/Pump	100%			2038	* *	4	$600	
Terminal Devices								
Convector/Radiator	50%			2035	* *	1	$1,300	
Fan Coil Unit/Heat	50%			2030	$61,400	1	$1,300	
Air Conditioning								
Energy Source								
Electricity	100%			2046	* *	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	90%	4+	$9,200	2030	$92,300	2	$400	
Malfunctioning, Extent : Severe, Area Affected : 20%								
Location : Units Are Running But Not Sufficiently Cooling The Building								
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : 2 Units On The Roof								
Split Unit	10%			2025	$17,500			
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2	$10,700	
Ventilation								
Exhaust Fans								
Roof	100%			2030	$13,600	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.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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

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								
Gas Fired	100%			2025	$5,000	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Hot Water Heater Room								
Explanation : One 70 Gallon Unit								
Sanitary Piping								
Cast Iron	100%	Now	$3,000	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 5%								
Location : In Bathrooms When It Rains								
Storm Drain Piping								
Cast Iron	100%	Now	$900	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 5%								
Location : In Side Yard When It Rains								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$58,000
Interior Architecture		$46,100
Total		**$104,100**
Importance Code A		$58,000
Importance Code B		$46,100
Total		**$104,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$30,200	$4,800		$23,800
Interior Architecture		$1,900	$1,300	
Electrical	$1,800	$1,800	$1,600	$3,800
Mechanical	$1,700	$1,600	$5,700	$1,400
Total	**$33,700**	**$10,100**	**$8,600**	**$29,000**
Importance Code A	$30,800	$5,300	$500	$24,300
Importance Code B	$3,000	$4,800	$7,700	$4,600
Importance Code C			$400	
Total	**$33,700**	**$10,100**	**$8,600**	**$29,000**



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		
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	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	$4,100	2035	* *			
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Mens Room And Payroll Office								
Plaza Roof: Stone Panels	15%			2050	* *			
Skylight, Metal/Glass	12%			2050	* *	10	$6,400	
Sloped Glazing	13%	Now	$26,100	LIFE	* *	5	$27,900	
Glazing Broken/Cracked, Extent : Moderate, Area Affected : 10%								
Location : 2 Sections								
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	$46,100	3	$1,900	
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 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	* *			

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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%			2043	* *			
Parking/Driveway								
Asphalt	100%			2033	* *			

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%			2056	* *	5		
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		
Raceway								
Conduit	100%			2056	* *	1		
Panelboards								
Fused Disc Sw	5%			2052	* *	5		
Molded Case Bkrs	95%			2052	* *	5	$300	
Wiring								
Thermoplastic	100%			2056	* *	1		
Motor Controllers								
Locally Mounted	100%			2047	* *	5	$100	
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	
Stand-by Power								
Transfer Switches								
Automatic	100%			2050	* *	1	$3,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : New Generator Installed In 2018.								
Generators								
Diesel	100%			2045	* *	1	$4,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 80 Kilowatt Generator Installed In 2018.								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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

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
Stand-by Power								
Batteries								
Lead/Acid	100%			2025	$1,600	5	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : New Generator Installed In 2018.								
Fuel Storage								
Day Tank	25%			2055	* *	5	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : New 25 Gallon Tank Installed In 2018.								
Main Tank	75%			2065	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Oil Tank Room								
Explanation : 2,500 Gallon Tank Located In The Basement								
Lighting								
Interior Lighting								
Fluorescent	90%			2038	* *	10	$8,800	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Fluorescent	10%			2038	* *	10	$1,000	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Egress Lighting								
Emergency, Battery	50%			2038	* *	10	$1,300	
Exit, Service	50%			2038	* *	1		
Exterior Lighting								
Fluorescent	40%			2038	* *	10	$400	
HID	60%			2038	* *	10		
Alarm								
Security System								
No Component	30%							
Generic	70%			2038	* *	1	$2,800	
Fire/Smoke Detection								
Generic, Digital	100%			2038	* *	1-3	$6,500	

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%			2050	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2043	* *	1	$5,200	
Distribution								
Hot Wtr Piping/Pump	100%			2046	* *	4	$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 35
Asset # : 14770

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								
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	
Other Observation, Extent : Light, Area Affected : 100% Location : On The Roof Explanation : Two Units								
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								
Gas Fired	100%			2028	$6,500	2	$200	
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sewage Ejector(s)								
Electric	100%			2035	* *	4	$600	
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.
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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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$25,100	$5,000		$1,500
Interior Architecture		$2,100	$500	
Electrical	$5,600	$900	$800	$6,100
Mechanical	$200	$600	$1,100	$600
Site Enclosure	$6,900			
Site Pavements	$1,200			
Total	**$39,000**	**$8,500**	**$2,400**	**$8,200**
Importance Code A	$25,200	$5,400	$100	$1,900
Importance Code B	$6,900	$3,100	$2,000	$6,300
Importance Code C	$6,900		$300	
Total	**$39,000**	**$8,500**	**$2,400**	**$8,200**



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

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	25%	Now	$12,000	LIFE	* *	5	$31,100	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Along Winthrop Street								
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	$900	LIFE	* *	5	$2,600	
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : Coping Stone Throughout								
Masonry: Brick	80%			LIFE	* *	5	$1,300	
Roof								
Modified Bitumen	100%	4+	$12,100	2035	* *			
Blisters, Extent : Light, Area Affected : 5%								
Location : Upper Roof								
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	
Staining/Discoloring, Extent : Light, Area Affected : 10%								
Location : Throughout								
Exposed Struc: Steel	60%			LIFE	* *			
Site Enclosure								
Fence/Gates								
Iron Picket	100%	Now	$6,900	2065	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Gate Not Functioning Along West Side								
Impact Damage, Extent : Moderate, Area Affected : 15%								
Location : Along West Side								
Retaining Walls								
Cast in Place Concrete	100%			2065	* *			
Site Pavements								

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

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								
Public Sidewalk								
Cast in Place Concrete	100%	2-4	$1,200	2043	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Along Winthrop Street								
On-Site Walkways								
Cast in Place Concrete	100%			2043	* *			
Parking/Driveway								
Asphalt	100%			2039	* *			

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								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2050	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : One 400 Ampere Main Breaker Part Of Unit								
Raceway								
Conduit	100%			2050	* *	1		
Panelboards								
Molded Case Bkrs	100%			2046	* *	5	$200	
Other Observation, Extent : Moderate, Area Affected : 20%								
Location : Panel L P A								
Explanation : Missing Circuit Breakers At Positions 38, 40 And 42								
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	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Mechanical Room								
Explanation : Ground Connection								
Stand-by Power								
Transfer Switches								
Automatic	100%			2043	* *	1	$1,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Service Room								
Explanation : Automatic Transfer Switch Rated For 200 Amperes								

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

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
Stand-by Power								
Generators								
Diesel	100%			2043	* *	1	$2,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Exterior Location								
Explanation : Nameplate Rating Is 75 Kilovolt-ampere								
Batteries								
Not Accessible	100%							
Fuel Storage								
Main Tank	100%			2045	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Parking Lot								
Explanation : Tank Capacity Is 100 Gallons								
Lighting								
Interior Lighting								
Fluorescent	95%			2035	* *	10	$5,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : T-8 Fixtures In Use								
HID	5%			2035	* *	10		
Egress Lighting								
Exit, Service	100%			2035	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Fixtures Connected To Building Main Power Supply								
Exterior Lighting								
HID	100%	Now	$4,800	2040	* *			
Malfunctioning, Extent : Moderate, Area Affected : 50%								
Location : Parking Lot								
Alarm								
Fire/Smoke Detection								
Generic, Digital	100%			2038	* *	1-3	$3,700	

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
Heating								
Energy Source								
Natural Gas	100%			2050	* *	1		

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

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								
Furnace	50%			2035	* *	1	$1,500	
Other Observation, Extent : Light, Area Affected : 50%								
Location : Roof								
Explanation : One Gas Fired Packaged Rooftop Unit								
Radiant Heater	50%			2035	* *	2	$1,400	
Other Observation, Extent : Light, Area Affected : 50%								
Location : Garage Ceiling								
Explanation : Four Gas Fired Space Heaters								
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								
Gas Fired	100%			2028	$3,600	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Utility Closet								
Explanation : One 80 Gallon Unit								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **17-Nov-2016**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1**		
Block	: **3738** **Lot** : **7**	**BIN**	: **3048341**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$783,000	
Interior Architecture	$459,200	
Electrical	$110,600	$37,000
Total	**$1,352,800**	**$37,000**
Importance Code A	$783,000	
Importance Code B	$367,300	$37,000
Importance Code C	$202,500	
Total	**$1,352,800**	**$37,000**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$17,600			
Interior Architecture	$94,100			$400
Electrical	$13,700	$28,700	$700	$700
Mechanical	$7,100	$23,000	$800	$600
Site Pavements	$3,500			
Total	**$136,000**	**$51,700**	**$1,500**	**$1,700**
Importance Code A	$18,100	$500	$500	$500
Importance Code B	$53,000	$51,200	$1,000	$1,200
Importance Code C	$64,900			
Total	**$136,000**	**$51,700**	**$1,500**	**$1,700**



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

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	2%	Now	$400	LIFE	* *	5	$1,800	
Spalling, Extent : Moderate, Area Affected : 10%								
Location : Base Of Building - Street Facade								
Cast Stone/Terra Cotta	3%			LIFE	* *	5	$4,100	
Masonry: Brick	38%	0-2	$4,300	LIFE	* *	5	$6,700	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 15%								
Location : Street Facade								
Masonry: Brick	52%	Now	$88,300	LIFE	* *	5	$9,100	
Diagonal Cracks, Extent : Severe, Area Affected : 15%								
Location : Rear Walls And Rear Corners - Tree Roots Encroaching From Adjoining Lot								
Repointing Failure, Extent : Severe, Area Affected : 25%								
Location : Side And Rear Walls								
Spalling, Extent : Moderate, Area Affected : 15%								
Location : Side And Rear Walls								
Worn/Eroded, Extent : Severe, Area Affected : 25%								
Location : Side And Rear Walls								
Metal Sect. OHD	5%	0-2	$2,900	2041	* *	5	$1,400	
Deformed/Dented, Extent : Light, Area Affected : 15%								
Location : Side Wall Of Overhead Door								
Paint Peeling, Extent : Light, Area Affected : 10%								
Location : Jamb - Metal Door								
Windows								
Glass Block	100%			LIFE	* *	5	$2,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Street Facade								
Explanation : Most Wall Penetrations Have Been Brick Over. Glass Block Covers Less That 2% Of Facade.								

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

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	$14,000	LIFE	* *	5	$800	
Crazing, Extent : Moderate, Area Affected : 25%								
Location : Throughout Coping								
Deteriorated Finish, Extent : Moderate, Area Affected : 25%								
Location : Throughout Coping								
Cast Stone/Terra Cotta	2%			LIFE	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Street Facade								
Explanation : Decorative Element								
Masonry: Brick	30%	Now	$38,100	LIFE	* *	5	$600	1
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 30%								
Location : Rear And Side Parapet Walls								
Spalling, Extent : Severe, Area Affected : 30%								
Location : Rear And Side Parapet Walls								
Masonry: Brick	25%	4+	$1,600	LIFE	* *	5	$500	
Staining/Discoloring, Extent : Moderate, Area Affected : 35%								
Location : Street Facade								
Metal: Cage/Fence	35%	Now	$300	2041	* *	5	$2,300	
Loose/Miss Fasteners, Extent : Moderate, Area Affected : 20%								
Location : At Anchor Plates - Exterior Parapet Wall								
Pre-Cast Concrete	3%			LIFE	* *	5	$400	
Roof								
Modified Bitumen	90%	Now	$294,500	2038	* *			1
Blisters, Extent : Moderate, Area Affected : 50%								
Location : Throughout Roof								
Miss/Damaged Flashings, Extent : Severe, Area Affected : 50%								
Location : Improper Termination Of Roof Material With No Flashing - Perimeter Walls								
Seams Open/Split, Extent : Severe, Area Affected : 25%								
Location : At All Improperly Patched Areas.								
Skylight, Metal/Glass	10%	Now	$356,300	2058	* *			1
Corrosion/Rusting, Extent : Severe, Area Affected : 25%								
Location : Mullions Corroded Throughout Both Lights								
Water Penetration, Extent : Severe, Area Affected : 15%								
Location : At Curbs Of Both Lights								
Interior								

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

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	80%	0-2	$154,900	LIFE	* *	5	$30,500	
Broken/Missing Elements, Extent : Severe, Area Affected : 20%								
Location : At Trench Drain								
Drains Inad/Misposn, Extent : Severe, Area Affected : 50%								
Location : Appratus Floor Improperly Pitched To Drains - Water Runs Into Locker Rooms								
Misaligned/Bulging, Extent : Moderate, Area Affected : 40%								
Location : Throughout Apparatus Floor - At All Joints, Apron, Floor Drains And Thresholds								
Vinyl Tile	20%	0-2	$12,700	2028	$31,700	3	$1,300	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : At Thresholds								
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Corridors And Locker Rooms								
Worn/Eroded, Extent : Moderate, Area Affected : 30%								
Location : Locker Rooms And Kitchen Pantry								
Interior Walls								
Ceramic Tile	5%	Now	$34,100	2043	* *	5	$600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 75%								
Location : Toilet Rooms / Locker Rooms								
Concrete Masonry Unit	10%	0-2	$11,000	LIFE	* *	5	$900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Gypsum Board	5%	Now	$1,500	LIFE	* *	5	$700	
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : Base Of Walls Throughout								
Loose/Delam Surface, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Masonry: Brick	70%	0-2	$202,500	LIFE	* *			
Diagonal Cracks, Extent : Severe, Area Affected : 30%								
Location : Apparatus Walls, Storage Area In Rear Of Building								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Base Of Rear Wall In Storage Area								
Masonry: Fieldstone	5%	2-4	$8,300	LIFE	* *			
Other Observation, Extent : Moderate, Area Affected : 20%								
Location : Basement / Crawl Space Area								
Explanation : Joint Erosion								
Plaster	5%	Now	$9,900	LIFE	* *	5	$300	
Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
Location : Bathroom Areas / At Showers								
Staining/Discoloring, Extent : Severe, Area Affected : 20%								
Location : Bathroom Areas / At Showers								

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

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								
AcousTileConcealSpLn	10%	0-2	$15,100	2048	* *	5	$1,100	
Cracking/Crumbling, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Misaligned/Bulging, Extent : Severe, Area Affected : 20%								
Location : Bathrooms / Locker Rooms								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Bathrooms / Locker Rooms								
AcousTileSusp.Lay-In	5%	0-2	$1,500	2033	* *	5	$400	
Staining/Discoloring, Extent : Moderate, Area Affected : 15%								
Location : Offices								
Exposed Concrete	85%	0-2	$101,800	LIFE	* *	5	$2,300	
Spalling, Extent : Moderate, Area Affected : 20%								
Location : At Roof Penetrations Throughout Appratus Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 15%								
Location : Various Locations Throughout								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	$3,500	2033	* *			
Other Observation, Extent : Moderate, Area Affected : 30%								
Location : At Apron Leading To Apparatus Floor								
Explanation : Stained/ Discolored								

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%			2028	$5,200	5		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : Two 200 Ampere Main Disconnect Switches								
Raceway								
Conduit	95%			2028	$31,800	1		
Conduit	5%			2048	* *	1		
Panelboards								
Fused Disc Sw	5%			2027	$2,100	5		
Molded Case Bkrs	90%			2027	$37,000	5	$200	
Molded Case Bkrs	5%			2044	* *	5		
Wiring								
Thermoplastic	95%			2028	$28,100	1		
Thermoplastic	5%			2048	* *	1		
Motor Controllers								
Locally Mounted	100%			2026	$15,400	5	$100	
Ground								

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

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
Ground								
Grounding Devices								
Generic	100%	Now	$10,200	LIFE	* *	5	$100	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Water Main Basement								
Explanation : Corroded								
Stand-by Power								
Transfer Switches								
Automatic	100%			2026	$5,200	1	$3,100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : One Automatic Transfer Switches								
Generators								
Diesel	100%			2024	$70,300	1	$3,900	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Generator Room, Garage								
Explanation : One 81 Kilovolt-ampere								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$400	
Fuel Storage								
Day Tank	100%			2027	$800	5	$1,900	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Generator Room, Garage								
Explanation : One 60 Gallons								
Lighting								
Interior Lighting								
Fluorescent	50%			2033	* *	10	$4,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Garage And Supply Room								
Explanation : T-8 Lamps								
Fluorescent	50%			2023	$14,500	10	$4,600	
T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : Office, Locker Room, Bathroom And Hallway								
Egress Lighting								
Emergency, Service	40%			2023	$2,100	1		
Emergency, Service	10%			2033	* *	1		
Emergency, Battery	10%			2023	$1,400	10	$200	
Exit, Service	40%			2023	$500	1		
Exterior Lighting								
HID	100%			2023	$40,300	10		

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%			2038	* *	1		

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

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								
Furnace	20%			2036	* *	1	$1,000	
Other Observation, Extent : Light, Area Affected : 20%								
Location : Storage Room								
Explanation : 1 Unit								
Furnace	60%			2028	$14,100	1	$3,000	
Other Observation, Extent : Light, Area Affected : 60%								
Location : 1st Floor								
Explanation : 3 Units								
Hot Water Boiler	20%			2033	* *	1	$1,000	
Other Observation, Extent : Light, Area Affected : 20%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	20%			2027	$3,100	4	$100	
No Component	80%							
Terminal Devices								
Convector/Radiator	20%			2026	$10,700	1	$700	
No Component	80%							
Air Conditioning								
Energy Source								
Electricity	100%			2036	* *	1		
Conversion Equipment								
Split Unit	10%			2036	* *			
Other Observation, Extent : Light, Area Affected : 10%								
Location : Womens Locker Room								
Explanation : 1 Unit. R-410a								
Window/Wall Unit	20%			2023	$4,200	1		
No Component	70%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2036	* *	1	$300	
No Component	90%							
Heat Rejection								
Evaporative Condenser	10%			2036	* *	2	$700	
No Component	90%							
Ventilation								
Exhaust Fans								
Roof	100%	Now	$1,700	2023	$16,600	2	$200	
Not in Service, Extent : Severe, Area Affected : 50%								
Location : 1 Unit, Roof								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Garage Ceiling								
Explanation : 2 Units								
Plumbing								
H/C Water Piping								
Brass/Copper	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
EMS STATION 39 PENNSYLVANIA STATION
Asset # : 13997

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								
Gas Fired	100%			2026	$6,100	2	$100	
Sanitary Piping								
Cast Iron	100%	Now	$3,700	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 30%								
Location : Garage Sewage Drain Line								
Storm Drain Piping								
Cast Iron	100%	Now	$1,000	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 5%								
Location : Office Area								
Sump Pump(s)								
Non-Submersible	100%			2023	$1,500	4	$300	
Fixtures								
Generic	100%							
Obsolete Fixtures, Extent : Severe, Area Affected : 100%								
Location : 1st Floor								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **14-Nov-2016**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,3**		
Block	: **241** **Lot** : **13**	**BIN**	: **1811158**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$297,500	$106,100
Interior Architecture	$139,400	
Electrical		$293,700
Mechanical		$84,200
Site Pavements	$60,700	$303,500
Total	**$497,700**	**$787,500**
Importance Code A	$297,500	$141,600
Importance Code B	$77,200	$342,400
Importance Code C	$122,900	$303,500
Total	**$497,700**	**$787,500**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$42,600			
Interior Architecture	$60,000			$2,000
Electrical	$5,700	$23,000	$5,300	$3,600
Mechanical	$11,500	$30,200	$9,000	$2,300
Site Enclosure	$31,200			
Total	**$151,000**	**$53,300**	**$14,300**	**$7,900**
Importance Code A	$43,700	$900	$1,100	$900
Importance Code B	$75,200	$52,400	$13,200	$7,100
Importance Code C	$32,100			
Total	**$151,000**	**$53,300**	**$14,300**	**$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
EMS STATION 4 LOWER EAST SIDE OP
Asset # : 13982

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	5%	Now	$700	LIFE	* *	5	$2,800	
Cracking/Crumbling, Extent : Light, Area Affected : 2%								
Location : West Side At Roof Level								
Masonry: Brick	73%	0-2	$26,700	LIFE	* *	5	$8,300	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 80%								
Location : North Facade								
Metal Panel	2%	Now	$200	2048	* *	5	$400	
Other Observation, Extent : Moderate, Area Affected : 2%								
Location : North Side								
Explanation : Damaged Metal Panels								
Metal Coiling Doors	4%			2041	* *	5	$1,400	
Metal Coiling Doors	1%	Now	$6,900	2048	* *	5	$200	1
Broken/Missing Elements, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Pre-Cast Concrete	15%			LIFE	* *	5	$5,500	
Windows								
Aluminum	100%	2-4	$107,000	2053	* *	5	$1,200	
Glazing Clouded, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Worn/Eroded, Extent : Moderate, Area Affected : 70%								
Location : Throughout								
Parapets								
Cast in Place Concrete	98%	0-2	$69,700	LIFE	* *	5	$106,100	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Metal Panel	2%	0-2	$1,700	2048	* *	5	$400	
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : Throughout								
Roof								
Built-Up (BUR)	95%	0-2	$120,800	2033	* *			
Miss/Damaged Flashings, Extent : Severe, Area Affected : 95%								
Location : Throughout								
Ponding, Extent : Moderate, Area Affected : 5%								
Location : North Drain								
Water Penetration, Extent : Light, Area Affected : 2%								
Location : 3rd Floor Work Area								
Roll Roofing	5%	0-2	$6,400	2030	$6,400	5	$1,200	1
Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
Location : Throughout								
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 4 LOWER EAST SIDE OP
Asset # : 13982

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	45%	0-2	$29,800	LIFE	* *	5	$29,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Mezzanine Level								
Ceramic Tile	2%	0-2	$600	2037	* *	5	$300	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Vinyl Tile	53%	Now	$28,700	2033	* *	3	$5,900	
Water Penetration, Extent : Moderate, Area Affected : 2%								
Location : First Floor Throughout								
Interior Walls								
Ceramic Tile	2%	0-2	$900	2037	* *	5	$300	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Concrete Masonry Unit	86%	Now	$62,200	LIFE	* *	5	$10,500	
Cracking/Crumbling, Extent : Light, Area Affected : 2%								
Location : First Floor Truck Port								
Gypsum Board	5%			LIFE	* *	5	$900	
Masonry: Brick	2%			LIFE	* *			
Plaster	5%			LIFE	* *	5	$500	
Ceilings								
AcousTileSusp.Lay-In	60%	Now	$77,200	2033	* *	5	$8,900	
Misaligned/Bulging, Extent : Moderate, Area Affected : 20%								
Location : Third Floor Office								
Staining/Discoloring, Extent : Moderate, Area Affected : 40%								
Location : Third Floor Office								
Other Observation, Extent : Light, Area Affected : 2%								
Location : Third Floor Work Area								
Explanation : Damaged Ceiling Tiles								
Exposed Concrete	35%			LIFE	* *	5	$1,600	
Exposed Struc: Steel	5%			LIFE	* *			
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	$31,200	2038	* *			
Other Observation, Extent : Severe, Area Affected : 10%								
Location : Northeast Corner								
Explanation : Structural Member Is Leaning At An Extreme Angle								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2041	* *			
On-Site Walkways								
Cast in Place Concrete	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.
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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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Site Pavements								
Parking/Driveway								
Asphalt	90%	0-2	$60,700	2031	$303,500			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Cast in Place Concrete	10%			2041	* *			

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%			2048	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : Main Service Switch Rated At 3,000 Amperes.								
Transformers								
Dry Type	100%			2041	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : 1,000 Kilovolt-ampere, 480/277/208 Volts								
Switchgear / Switchboard								
Fused Disc Sw	100%			2048	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : 2- Vertical Sections								
Raceway								
Conduit	80%			2048	* *	1		
Conduit	20%			2028	$6,700	1		
Panelboards								
Fused Disc Sw	2%			2027	$800	5		
Molded Case Bkrs	80%			2044	* *	5	$400	
Molded Case Bkrs	18%			2027	$7,400	5	$100	
Wiring								
Thermoplastic	20%			2028	$5,900	1		
Thermoplastic	80%			2048	* *	1		
Motor Controllers								
Locally Mounted	100%			2026	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$300	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Boiler Room								
Explanation : Connected To Metal Water Pipe								
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
EMS STATION 4 LOWER EAST SIDE OP
Asset # : 13982

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
Stand-by Power								
Transfer Switches								
Automatic	100%			2041	* *	1	$6,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor Service Room								
Explanation : Asco Type Switch, 200 A								
Generators								
Diesel	100%			2037	* *	1	$7,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 80 Kilovolt-ampere								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$700	
Fuel Storage								
Day Tank	100%			2044	* *	5	$3,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Belly Tank / Outside								
Explanation : 60 Gallons								
Lighting								
Interior Lighting								
Fluorescent	90%			2033	* *	10	$16,500	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
HID	10%			2028	$2,100	10	$100	
Egress Lighting								
Emergency, Battery	50%			2033	* *	10	$2,400	
Exit, Battery	50%			2033	* *	10	$700	
Exterior Lighting								
HID	100%			2033	* *	10	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside/ Perimeter								
Explanation : 16 Hid Light Fixtures								
Alarm								
Security System								
Generic	100%			2028	$64,700	1	$7,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 13 CCTV Surveillance Cameras								
Fire/Smoke Detection								
Generic, Analog	100%			2028	$221,600	1-3	$12,700	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Hallways And Office								
Explanation : Manual Pull Station, Strobe Lights, Horns								

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

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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

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								
Electricity	10%			2048	* *	1		
Natural Gas	90%			2048	* *	1		
Conversion Equipment								
Hot Water Boiler	90%			2045	* *	1	$8,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Mechanical Room								
Explanation : One Unit								
Radiant Heater	10%			2028	$35,500	2	$900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 3rd Floor Men And Womens Locker Rooms								
Explanation : Trane Electric Cabinet Unit Heater								
Distribution								
Hot Wtr Piping/Pump	100%	0-2	$600	2044	* *	4	$1,000	
Insul. Deteriorating, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Terminal Devices								
Convector/Radiator	80%			2041	* *	1	$5,200	
Unit Heater - Steam	20%			2028	$14,300	4	$400	
Other Observation, Extent : Light, Area Affected : 20%								
Location : 1st Floor Ceiling								
Explanation : Good Condition								
Air Conditioning								
Energy Source								
Electricity	100%			2044	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	30%			2028	$48,700	2	$400	
Window/Wall Unit	60%	Now	$5,000	2023	$25,100	1		
Broken, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor Office Area								
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%			2033	* *	2	$600	
Plumbing								
H/C Water Piping								
Brass/Copper	100%	Now	$3,000	2048	* *	1		
Leak Evident, Extent : Severe, Area Affected : 100%								
Location : Mens Locker Room								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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

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								
Gas Fired	100%			2028	$12,200	2	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Boiler Room								
Explanation : 1 - 74 Gallon Unit								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
Fire Suppression								
Standpipe								
Generic	100%			2054	* *	1-5	$10,100	
Sprinkler								
Generic	100%			2048	* *	1-2	$5,600	
Chemical System								
Dry	10%			2026	$2,800	1-3	$400	
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : Kitchen								
Explanation : Pcl-160								
No Component	80%							
Generic	10%			2023	$2,800	1-3	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Fire Extinguishers								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$95,300	
Interior Architecture	$96,300	
Total	**$191,500**	
Importance Code A	$95,300	
Importance Code C	$96,300	
Total	**$191,500**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$38,200			
Interior Architecture	$14,500		$900	$500
Electrical	$200	$100	$100	$200
Mechanical	$5,100	$200	$1,700	$200
Site Pavements	$8,900			
Total	**$66,900**	**$300**	**$2,800**	**$800**
Importance Code A	$38,200			
Importance Code B	$16,700	$300	$2,800	$500
Importance Code C	$12,000			$300
Total	**$66,900**	**$300**	**$2,800**	**$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 43 GRAVESEND STATION
Asset # : 14009

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	80%	Now	$57,500	LIFE	* *	5	$17,800	
Horizontal Cracks, Extent : Severe, Area Affected : 10%								
Location : Main Entrance								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%								
Location : Throughout Entire Facade								
Loose/Delam Surface, Extent : Severe, Area Affected : 10%								
Location : At Entrance								
Rusting Masonry Supt, Extent : Moderate, Area Affected : 25%								
Location : Over Main Entrance								
Spalling, Extent : Severe, Area Affected : 5%								
Location : East Facade								
Metal Coiling Doors	20%	4+	$27,000	2036	* *	5	$7,000	
Corrosion/Rusting, Extent : Light, Area Affected : 10%								
Location : East Facade								
Deformed/Dented, Extent : Light, Area Affected : 10%								
Location : East Facade								
Windows								
Aluminum	100%	2-4	$37,800	2056	* *	5	$400	
Air Infiltration, Extent : Light, Area Affected : 50%								
Location : Throughout								
Parapets								
Masonry: Brick	100%	Now	$11,200	LIFE	* *	5	$1,800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Roof								
Not Accessible	100%							
Interior								
Floors								
Cast in Place Concrete	90%	Now	$6,100	LIFE	* *	5	$11,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Ceramic Tile	5%			2040	* *	5	$300	
Vinyl Tile	5%	Now	$100	2036	* *	3	$100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Break Room								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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	
Concrete Masonry Unit	15%			LIFE	* *	5	$1,300	
Fiberglass Panel	5%			LIFE	* *	10	$100	
Gypsum Board	20%			LIFE	* *	5-10	$3,600	
Masonry: Brick	55%	Now	$96,300	LIFE	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 40%								
Location : Throughout								
Misaligned/Bulging, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Ceilings								
AcousTileSusp.Lay-In	30%			2044	* *	5	$1,800	
AcousTileSusp.Lay-In	15%	Now	$1,600	2044	* *	5	$500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : Corridors, Lockers, Storage Rooms And Throughout								
Exposed Concrete	50%			LIFE	* *	5-10	$3,800	
Plaster	5%			LIFE	* *	5-10	$500	
Water Penetration, Extent : Light, Area Affected : 5%								
Location : Tour Lieutenant Office								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2051	* *			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	16%	Now	$5,100	2036	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : East Side								
Sinking/Subsiding, Extent : Light, Area Affected : 10%								
Location : East Side								
Cast in Place Concrete	84%			2036	* *			
Parking/Driveway								
Asphalt	80%	4+	$3,800	2040	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : East Side								
Cast in Place Concrete	20%			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								
Raceway								
Conduit	100%			2041	* *	1		
Panelboards								
Fused Disc Sw	5%			2030	$2,100	5		
Molded Case Bkrs	95%			2047	* *	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 43 GRAVESEND STATION
Asset # : 14009

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								
Wiring								
Thermoplastic	100%			2041	* *	1		
Motor Controllers								
Locally Mounted	100%			2036	* *	5		
Lighting								
Interior Lighting								
Fluorescent	100%			2036	* *	10	$3,800	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Egress Lighting								
Emergency, Battery	50%			2031	$3,000	10	$500	
Exit, Battery	50%			2031	$800	10	$100	
Exterior Lighting								
HID	50%			2031	$8,300	10		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Perimeter								
Explanation : Operated Via Photocell								
No Component	50%							
Alarm								
Security System								
No Component	50%							
Under Construction	50%							
Fire/Smoke Detection								
No Component	50%							
Generic, Digital	50%			2031	$22,900	1-3	$1,300	

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								
Plant Campus Steam / PRV	100%			2041	* *	1		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Power Plant								
Explanation : Steam Provided From Adjacent Power Plant Building								
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		
System / Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Int Pkg Unit - Heating/Cooling	40%			2032	* *	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Above The Ceiling Of The Garage								
Explanation : Unit Is Located Above The Ceiling In The Garage								
Window/Wall Unit	10%			2026	$900	1		
No Component	50%							
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2	$6,700	
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	* *	2-5	$1,500	
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	$3,000	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 10%								
Location : Under The Floor Of The Pantry								
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.
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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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Interior Architecture		$38,400
Electrical	$70,300	
Total	**$70,300**	**$38,400**
Importance Code B	$70,300	$38,400
Total	**$70,300**	**$38,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture		$19,600		$33,200
Interior Architecture	$43,200	$900		$500
Electrical	$2,000	$700	$600	$800
Mechanical	$32,000	$600	$900	$10,000
Site Enclosure				
Total	**$77,200**	**$21,700**	**$1,400**	**$44,500**
Importance Code A	$29,200	$19,900	$300	$33,600
Importance Code B	$19,600	$1,200	$1,100	$10,900
Importance Code C	$28,400	$700		
Total	**$77,200**	**$21,700**	**$1,400**	**$44,500**



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 44 BROWNSVILLE STATION

Asset # : 13998

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								
Metal Sect. OHD	10%			2043	* *	5	$4,800	
Stucco Cement	90%			2043	* *	5	$34,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
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	$7,700	2030	$38,400	3	$1,600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Interior Walls								
Ceramic Tile	10%			2033	* *	5	$1,300	
Concrete Masonry Unit	30%	Now	$28,400	LIFE	* *	5	$1,600	
Diagonal Cracks, Extent : Severe, Area Affected : 5%								
Location : Apparatus Room								
Other Observation, Extent : Severe, Area Affected : 5%								
Location : Apparatus Room								
Explanation : Daylight Seen Through Crack In Wall								
Gypsum Board	60%			LIFE	* *	5	$4,800	
Ceilings								
AcousTileSusp.Lay-In	50%	Now	$2,000	2035	* *	5	$2,400	
Staining/Discoloring, Extent : Moderate, Area Affected : 10%								
Location : Second Floor								
Gypsum Board	50%	Now	$5,100	LIFE	* *	5	$5,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Room								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Apparatus Room								
Site Enclosure								
Fence/Gates								
Chain Link	90%			2040	* *			
Wood	10%			2028	$3,600			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2035	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2035	* *			

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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 44 BROWNSVILLE STATION
Asset # : 13998

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								
Molded Case Bkrs	100%			2040	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : No Nameplate Ratings Available								
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	$5,200	1	$2,500	
Generators								
Diesel	100%	2-4	$70,300	2045	* *	1	$2,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Mechanical Room								
Explanation : Emergency Generator Rated At 6.3 Kilovolt-ampere. It Is An Obsolete Generator That Is Not Regularly Tested.								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$300	
Fuel Storage								
Main Tank	100%			2045	* *	5	$200	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Mechanical Room								
Explanation : 60 Gallon Capacity								
Lighting								
Interior Lighting								
Fluorescent	90%			2030	$16,400	10	$5,200	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Fluorescent	10%			2030	$1,800	10	$600	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Apparatus Floor								
Egress Lighting								
Emergency, Service	50%			2030	$1,700	1		
Exit, Service	50%			2030	$400	1		
Exterior Lighting								
HID	100%			2030	$32,300	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
EMS STATION 44 BROWNSVILLE STATION
Asset # : 13998

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%			2040	* *	1		
Conversion Equipment								
Furnace	40%			2030	$5,900	1	$1,200	
Other Observation, Extent : Light, Area Affected : 40%								
Location : Truck Bay								
Explanation : 3 Gas Fired Unit Heaters								
Hot Water Boiler	60%	0-2	$29,100	2050	* *	1	$1,700	
Corroded, Extent : Moderate, Area Affected : 2%								
Location : 1st Floor Mechanical Room								
On Extended Life, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor Mechanical Room								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor Mechanical Room								
Explanation : 2 Weil Mclain Hot Water Boilers								
Distribution								
Hot Wtr Piping/Pump	60%	0-2	$2,400	2029	$5,900	4	$200	
Corroded, Extent : Moderate, Area Affected : 5%								
Location : 1st Floor Mechanical Room								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor Mechanical Room								
Explanation : 2 Hot Water Pumps								
No Component	40%							
Terminal Devices								
Convector/Radiator	60%			2028	$20,200	1	$1,200	
No Component	40%							
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Split Unit	10%			2030	$13,400			
Other Observation, Extent : Light, Area Affected : 100%								
Location : First Floor Offices And Lounge								
Explanation : Two 2-ton Units								
Window/Wall Unit	60%			2025	$7,900	1		
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	25%			LIFE	* *	2-5	$900	
No Component	75%							
Exhaust Fans								
Interior	25%			2030	$5,600	2	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Men's And Women's Locker Rooms								
Explanation : Inline Fan Above Hung Ceiling								
No Component	75%							

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 44 BROWNSVILLE STATION
Asset # : 13998

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%			2040	* *	1		
Water Heater								
Gas Fired	100%			2028	$3,800	2	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : First Floor Mechanical Space								
Explanation : 75 Gallon Capacity								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Backflow Preventer								
Generic	100%			2025	$1,600	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.
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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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	:	**22-Nov-2016**	**Landmark Status**	:	**NONE**
Areas Surveyed	:	**Roof, Floors 1**			
Block	:	**1500** **Lot** : **2**	**BIN**	:	**4437132**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Interior Architecture		$42,800
Electrical		$201,500
Total		**$244,300**
Importance Code B		$244,300
Total		**$244,300**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture				
Interior Architecture	$700	$2,400		$600
Electrical	$1,200	$9,100	$1,000	$1,200
Mechanical	$20,600	$6,200	$800	$500
Total	**$22,500**	**$17,700**	**$1,800**	**$2,300**
Importance Code A	$200	$200	$200	$200
Importance Code B	$22,300	$17,500	$1,700	$2,200
Importance Code C	$100			
Total	**$22,500**	**$17,700**	**$1,800**	**$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
EMS STATION 46 ELMHURST STATION
Asset # : 14002

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	20%			LIFE	* *	5	$1,400	
Other Observation, Extent : Light, Area Affected : 25%								
Location : North Side								
Explanation : One Floor/ Split Level,The North Section Of Building Is Attached To The Old Nurses Building Of Elmhurst Hospital.								
Metal Sect. OHD	10%			2041	* *	5	$2,200	
No Component	70%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Throughout								
Explanation : One Floor/ Split Level,The North Section Of Building Is Attached To The Old Nurses Building Of Elmhurst Hospital.								
Parapets								
No Component	75%							
Not Accessible	25%							
Roof								
Not Accessible	100%							
Other Observation, Extent : Light, 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	
Ceramic Tile	2%			2031	$2,600	5	$100	
Vinyl Tile	75%			2028	$42,800	3	$2,400	
Interior Walls								
Ceramic Tile	5%			2037	* *	5	$100	
Concrete Masonry Unit	15%			LIFE	* *	5	$200	
Gypsum Board	40%			LIFE	* *	5	$700	
Masonry: Brick	5%			LIFE	* *			
Plaster	25%			LIFE	* *	5	$200	
SGFT/Glazed Masonry	10%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	75%			2033	* *	5	$4,700	
Exposed Struc: Steel	20%			LIFE	* *			
Gypsum Board	5%			LIFE	* *	5	$400	

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								
Not Accessible	100%							
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		
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%			2036	* *	5		
Molded Case Bkrs	95%			2036	* *	5	$300	
Wiring								
Thermoplastic	100%			2038	* *	1		
Motor Controllers								
Locally Mounted	100%			2033	* *	5	$100	
Lighting								
Interior Lighting								
Fluorescent	80%			2033	* *	10	$8,100	
T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : Offices								
HID	20%			2028	$2,300	10	$100	
Egress Lighting								
Emergency, Service	50%			2033	* *	1		
Exit, Service	50%			2033	* *	1		
Exterior Lighting								
HID	100%			2028	$44,400	10		
Alarm								
Security System								
Generic	100%			2028	$35,500	1	$4,100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Outside								
Explanation : CCTV Surveillance Cameras								
Fire/Smoke Detection								
Generic, Digital	100%			2028	$121,600	1-3	$7,000	

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	30%			2038	* *	1		
No Component	70%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Throughout								
Explanation : Hot Water Provided From Hospital								
Conversion Equipment								
Furnace	30%			2028	$7,800	1	$1,600	
Other Observation, Extent : Light, Area Affected : 30%								
Location : Apparatus Floor								
Explanation : 2 Modine Heaters								
No Component	70%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Heating Water Supplied From Hospital 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

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	70%			2027	$3,600	4	$600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : There Is No Temperature Control								
No Component	30%							
Terminal Devices								
Convector/Radiator	70%			2026	$12,400	1	$2,500	
No Component	30%							
Air Conditioning								
Energy Source								
Electricity	100%			2036	* *	1		
Conversion Equipment								
Window/Wall Unit	70%			2022	$16,000	1		
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	30%			LIFE	* *	2-5	$1,800	
No Component	70%							
Exhaust Fans								
Roof	30%			2023	$5,500	2	$100	
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2038	* *	1		
Sanitary Piping								
Cast Iron	100%	Now	$4,000	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 20%								
Location : Water Backs Up On Apparatus Floor								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	70%							
Generic	30%			2028	$32,300	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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Site Pavements		$61,600
Total		**$61,600**
Importance Code C		$61,600
Total		**$61,600**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture				$2,800
Interior Architecture		$600		
Electrical	$100			
Mechanical	$200		$400	
Site Pavements	$2,000	$300	$300	$2,000
Total	**$2,300**	**$900**	**$700**	**$4,900**
Importance Code A	$200		$200	$2,800
Importance Code B	$100	$600	$300	
Importance Code C	$2,000	$300	$300	$2,000
Total	**$2,300**	**$900**	**$700**	**$4,900**



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 50 - BLDG 2 TRAILER
Asset # : 14005

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									
Alum/Vinyl Siding	100%			2050	* *		10	$2,700	
Recent Replace Evident, Extent : Light, Area Affected : 100%									
Location : All Facades									
Other Observation, Extent : Light, Area Affected : 100%									
Location : Entire Building									
Explanation : Reported 2016 New Construction									
Windows									
Aluminum	100%			2046	* *		5	$500	
Recent Replace Evident, Extent : Light, Area Affected : 100%									
Location : Throughout									
Roof									
Modified Bitumen	100%			2035	* *		10	$2,800	
Recent Installation, Extent : Light, Area Affected : 100%									
Location : Roof									
Interior									
Floors									
Vinyl Tile	100%			2035	* *		3	$1,700	
Recent Installation, Extent : Light, Area Affected : 100%									
Location : Throughout									
Interior Walls									
Gypsum Board	100%			LIFE	* *		5	$400	
Recent Construction, Extent : Light, Area Affected : 100%									
Location : Throughout									
Ceilings									
Gypsum Board	100%			LIFE	* *		5	$5,600	
Recent Construction, Extent : Light, Area Affected : 100%									
Location : Throughout									
Site Enclosure									
Fence/Gates									
Chain Link	100%			2050	* *				
Site Pavements									
Public Sidewalk									
Cast in Place Concrete	100%			2043	* *				
On-Site Walkways									
Wood	100%			2028		$61,600	1-3	$9,800	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Front And Rear									
Explanation : Ramp									
Parking/Driveway									
Asphalt	75%			2039	* *				
Cast in Place Concrete	25%			2043	* *				

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

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : Main Service Disconnect Switch Rated At 400 Amperes								
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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Perimeter								
Explanation : CCTV Surveillance Cameras								

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								
Electricity	100%			2056	* *	1		
Conversion Equipment								
Heat Pump Air Sourced	100%			2034	* *	2	$900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside End Of The Building								
Explanation : 5 Units								
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		
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%			2052	* *	1		
Ventilation								
Exhaust Fans								
Roof	10%			2038	* *	2		
No Component	90%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2056	* *	1		
Water Heater								
Electric	100%			2029	$2,600	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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **06-Jun-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **6858** **Lot** : **1**	**BIN**	: **4866423**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$77,700	$41,700
Electrical		$43,100
Total	**$77,700**	**$84,900**
Importance Code A	$77,700	$41,700
Importance Code B		$43,100
Total	**$77,700**	**$84,900**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$1,900			$9,700
Interior Architecture	$10,700			$2,200
Electrical	$1,300	$1,300	$3,900	$1,300
Mechanical	$1,100	$1,600	$7,300	$1,600
Elevators/Escalators	$3,900	$3,900	$3,900	$3,900
Total	**$18,800**	**$6,900**	**$15,100**	**$18,700**
Importance Code A	$2,500	$600	$700	$10,400
Importance Code B	$12,200	$6,200	$14,500	$8,300
Importance Code C	$4,100			
Total	**$18,800**	**$6,900**	**$15,100**	**$18,700**



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. 1
Asset # : 14934

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								
Concrete Masonry Unit	5%			LIFE	* *	5	$1,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Structural Glazed Face Tile								
Metal Panel	5%			2055	* *	5-10	$11,800	
Metal Sect. OHD	10%			2046	* *	5	$10,700	
Pre-Cast Concrete	15%			LIFE	* *	5	$16,700	
Window Wall	65%			2055	* *	5	$83,500	
Windows								
Aluminum	75%			2051	* *	5	$900	
Metal Louvers	25%			2042	* *	10	$1,900	
Parapets								
Metal Panel	25%			2055	* *	5	$2,400	
No Component	75%							
Roof								
Single Ply Membrane	100%			2037	* *	10	$26,200	
Drains Clogged, Extent : Light, Area Affected : 5%								
Location : Throughout								
Ponding, Extent : Light, Area Affected : 5%								
Location : Throughout								
Soffits								
Metal Panel	100%			2055	* *	5-10	$49,400	
Interior								
Floors								
Carpet	10%			2028	$39,800	3	$5,800	
Cast in Place Concrete	40%			LIFE	* *	5	$25,500	
Ceramic Tile	30%			2042	* *	5	$8,800	
Vinyl Tile	20%			2037	* *	3	$2,900	
Interior Walls								
Cast in Place Concrete	10%			LIFE	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Precast Concrete								
Ceramic Tile	10%			2042	* *	5	$5,400	
Glass: Special Gauge	10%			LIFE	* *	1		
Gypsum Board	30%	4+	$1,400	LIFE	* *	5	$9,600	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Kitchen / Lunch Room								
SGFT/Glazed Masonry	40%			LIFE	* *			
Ceilings								
Exposed Struc: Steel	50%			LIFE	* *			
Gypsum Board	50%			LIFE	* *	5	$17,500	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2055	* *			

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Site Enclosure								
Free Standing Walls								
Cast in Place Concrete	100%			2073	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2046	* *			
Parking/Driveway								
Asphalt	80%			2042	* *			
Cast in Place Concrete	20%			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
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2059	* *	5	$100	
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	
Raceway								
Conduit	100%			2059	* *	1		
Panelboards								
Fused Disc Sw	5%			2054	* *	5		
Molded Case Bkrs	95%			2054	* *	5	$300	
Wiring								
Thermoplastic	100%			2059	* *	1		
Motor Controllers								
Locally Mounted	100%			2049	* *	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2049	* *	1	$4,000	
Generators								
Diesel	100%			2044	* *	1	$5,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside The Building								
Explanation : One 117.3 Kilowatt								
Batteries								
Lead/Acid	100%			2024	$1,600	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.
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*** 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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Stand-by Power								
Fuel Storage								
Day Tank	30%			2054	* *	5	$700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room Outside								
Explanation : One 79 Gallon								
Main Tank	70%			2069	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Underground								
Explanation : One 2,500 Gallon								
Lighting								
Interior Lighting								
Fluorescent	100%			2039	* *	10	$11,900	
Egress Lighting								
Emergency, Service	60%			2039	* *	1		
Exit, LED	40%			2069	* *	1		
Exterior Lighting								
LED	100%			2039	* *			
Alarm								
Security System								
No Component	70%							
Generic	30%			2039	* *	1	$1,500	
Fire/Smoke Detection								
No Component	70%							
Generic, Digital	30%			2029	$43,100	1-3	$2,400	

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%			2059	* *	1		
Conversion Equipment								
Furnace	100%			2039	* *	1	$6,400	
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$7,300	
Terminal Devices								
Fan Coil Unit/Heat	20%			2039	* *	1	$800	
Other Observation, Extent : Light, Area Affected : 20%								
Location : First Floor Ceiling								
Explanation : 4 Units								
No Component	80%							
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
EMS STATION 50 - BLDG. 1
Asset # : 14934

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								
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	100%			2039	* *	2	$800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 6 Units								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2	$16,900	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$7,300	
Exhaust Fans								
Roof	100%			2039	* *	2	$400	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2059	* *	1		
Water Heater								
Gas Fired	100%			2029	$7,900	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : First Floor								
Explanation : 2 Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Backflow Preventer								
Generic	100%			2039	* *	1	$800	
Fixtures								
Generic	100%							
Vertical Transport								
Elevators								
Hydraulic	100%			LIFE	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement To 2nd Floor								
Explanation : 1 Unit								
Fire Suppression								
Sprinkler								
Generic	100%			2059	* *	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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$268,400	$123,600
Interior Architecture		$57,100
Total	**$268,400**	**$180,700**
Importance Code A	$268,400	$123,600
Importance Code B		$57,100
Total	**$268,400**	**$180,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$5,200			$2,000
Interior Architecture	$42,900	$1,000		$800
Electrical	$100	$100	$100	$6,400
Mechanical	$800	$800	$1,100	$9,500
Site Enclosure				
Site Pavements	$10,300			
Total	**$59,200**	**$2,000**	**$1,100**	**$18,600**
Importance Code A	$5,800	$600	$600	$2,600
Importance Code B	$17,200	$1,400	$500	$16,000
Importance Code C	$36,200			
Total	**$59,200**	**$2,000**	**$1,100**	**$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
EMS STATION 52 FLUSHING STATION
Asset # : 14006

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	85%	4+	$206,600	LIFE	* *	5	$21,400	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
Location : All Facades								
Masonry: Granite	5%			LIFE	* *	5	$900	
Masonry: Limestone	5%			LIFE	* *	5	$900	
Metal Sect. OHD	5%			2035	* *	5	$3,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Main Apparatus Door								
Explanation : Wood Sectional Door								
Windows								
Aluminum	100%			2046	* *	5	$1,900	
Parapets								
Masonry: Brick	95%			LIFE	* *	5	$1,800	
Masonry: Limestone	5%	Now	$5,200	LIFE	* *	5	$100	
Caulking Deteriorated, Extent : Moderate, Area Affected : 75%								
Location : Various Locations Along Parapet								
Roof								
Modified Bitumen	100%	Now	$61,800	2030	$123,600			1
Ponding, Extent : Severe, Area Affected : 30%								
Location : Main Roof, Front And Back								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Main Roof To 2nd Floor Locker Room								
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	$2,900	2030	$57,100	3	$2,400	
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%								
Location : Second Floor								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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	9%	Now	$15,000	LIFE	* *			
Staining/Discoloring, Extent : Moderate, Area Affected : 25%								
Location : Basement								
Water Penetration, Extent : Severe, Area Affected : 25%								
Location : Basement								
Ceramic Tile	2%	0-2	$700	2039	* *	5	$100	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Toilets								
Masonry: Brick	12%			LIFE	* *			
Plaster	63%	Now	$6,700	LIFE	* *	5	$2,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout Stairs And Corridors								
SGFT/Glazed Masonry	14%	Now	$3,600	LIFE	* *			
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Apparatus Room								
Ceilings								
AcousTileSusp.Lay-In	10%			2043	* *	5	$900	
Exposed Concrete	15%	Now	$4,600	LIFE	* *	5	$200	
Exposed Reinforcement, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Spalling, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Plaster	75%	Now	$9,400	LIFE	* *	5	$4,200	
Paint Peeling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Second Floor, Locker Room And Hallway								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2030	$15,000			
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	$10,300	2035	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
Location : Back And Side Of The Building								
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		
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	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Main Service Switch Rated At 200 Amperes.								
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	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Garage And Front Of The Building								
Explanation : CCTV Surveillance Cameras								

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%			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								
Convector/Radiator	100%			2043	* *	1	$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Window/Wall Unit	40%			2025	$5,000	1		
No Component	60%							
Ventilation								
Exhaust Fans								
Interior	10%			2030	$2,100	2		
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor Bathrooms								
Explanation : Toilet Exhaust								
No Component	90%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	* *	1		
No Water Meter, Extent : Light, Area Affected : 100%								
Location : Basement								
Water Heater								
Gas Fired	100%			2025	$3,700	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 74 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2024	$200	4	$100	
Fixtures								
Generic	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.
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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$51,600	
Total	**$51,600**	
Importance Code A	$51,600	
Total	**$51,600**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$7,300		$1,200	$800
Interior Architecture	$1,400	$800		
Electrical	$800	$2,800	$800	$6,400
Mechanical	$400	$400	$500	$4,100
Total	**$9,900**	**$4,000**	**$2,600**	**$11,300**
Importance Code A	$7,600	$300	$1,500	$1,100
Importance Code B	$2,300	$3,400	$1,100	$10,200
Importance Code C		$300		
Total	**$9,900**	**$4,000**	**$2,600**	**$11,300**



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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

EMS STATION 54 SPRINGFIELD GARDENS STATION

Asset # : 4524

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								
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+	$51,600	2035	* *			
Drains Inad/Misposn, Extent : Moderate, Area Affected : 25%								
Location : Over Locker Room								
Not Insulated, Extent : Severe, Area Affected : 25%								
Location : Over Locker Room								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Captain Office And Corridors								
Soffits								
Exposed Struc: Steel	40%	4+	$4,400	LIFE	* *	5	$1,400	
Corrosion/Rusting, Extent : Moderate, Area Affected : 100%								
Location : Front Of Building Awning								
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+	$1,400	2047	* *	5	$1,600	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Female Locker Room, Corridor And Captain Office								
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	* *			

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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 54 SPRINGFIELD GARDENS STATION

Asset # : 4524

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								
On-Site Walkways								
Cast in Place Concrete	100%			2047	* *			
Parking/Driveway								
Asphalt	100%			2039	* *			

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%			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%			2023	$1,600	5	$200	
Fuel Storage								
Main Tank	100%			2058	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 150 Gallons Rated Capacity								
Lighting								

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FIRE DEPARTMENT - 057

EMS STATION 54 SPRINGFIELD GARDENS STATION

Asset # : 4524

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	100%			2035	* *	10	$5,600	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Egress Lighting								
Emergency, Service	50%			2035	* *	1		
Exit, LED	50%			2058	* *	1		
Exterior Lighting								
HID	30%			2035	* *	10		
No Component	70%							
Alarm								
Security System								
No Component	70%							
Generic	30%			2035	* *	1	$700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Perimeter								
Explanation : CCTV Surveillance Cameras								
Fire/Smoke Detection								
Generic, Digital	100%			2035	* *	1-3	$3,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : Strobe Lights, Manual Pull Stations, Alarm Bells, Smoke Detectors								

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%			2050	* *	1		
Conversion Equipment								
Furnace	100%			2035	* *	1	$3,000	
Other Observation, Extent : Light, Area Affected : 95%								
Location : Modine Heaters In Garage, Package Unit On Roof								
Explanation : 4 Modine Heaters, 1 Rooftop Package Unit								
Air Conditioning								
Energy Source								
Electricity	100%			2046	* *	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	30%			2030	$22,900	2	$100	
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : Roof								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Roof Mounted								
Explanation : 1 Rooftop Package Unit For Office Only								
No Component	70%							

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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

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	30%			LIFE	* *	2-5	$1,000	
No Component	70%							
Exhaust Fans								
Roof	50%			2030	$5,100	2	$100	
Wall Unit	50%			2030	$1,100	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2050	* *	1		
Water Heater								
Gas Fired	100%			2025	$3,700	2	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor Mechanical Room								
Explanation : One (A O Smith) Gas Fired Water Heater								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$241,200	
Interior Architecture	$45,000	
Electrical	$49,200	$144,700
Mechanical		$102,900
Site Enclosure	$62,700	
Site Pavements	$105,800	
Total	**$504,000**	**$247,600**
Importance Code A	$241,200	
Importance Code B	$49,200	$247,600
Importance Code C	$213,600	
Total	**$504,000**	**$247,600**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$33,700		$500	$3,500
Interior Architecture	$49,900	$2,400		$300
Electrical	$2,800	$1,200	$1,100	$1,000
Mechanical	$3,700	$3,100	$2,000	$13,500
Total	**$90,100**	**$6,700**	**$3,700**	**$18,400**
Importance Code A	$34,900	$1,200	$1,700	$4,800
Importance Code B	$48,000	$4,800	$1,900	$13,700
Importance Code C	$7,200	$700		
Total	**$90,100**	**$6,700**	**$3,700**	**$18,400**



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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
EMS STATION 55
Asset # : 13231

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								
Alum/Vinyl Siding	2%	Now	$2,000	2040	* *			
Deteriorated Finish, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Masonry: Brick	25%	Now	$104,200	LIFE	* *	5	$7,100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Throughout.								
Diagonal Cracks, Extent : Moderate, Area Affected : 2%								
Location : North Facade								
Staining/Discoloring, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Other Observation, Extent : Severe, Area Affected : 25%								
Location : Front Facade								
Explanation : Debris Netting Secured To Front Facade								
Masonry: Brick	50%	Now	$22,900	LIFE	* *	5	$14,200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : Ground Face Brick-surrounding Masonry Openings Throughout Building.								
Masonry: Limestone	5%	Now	$9,200	LIFE	* *	5	$1,100	
Staining/Discoloring, Extent : Severe, Area Affected : 80%								
Location : Throughout								
Vertical Cracks, Extent : Light, Area Affected : 25%								
Location : Front Facade								
Stucco Cement	13%	Now	$114,100	2050	* *	5	$4,600	
Cracking/Crumbling, Extent : Severe, Area Affected : 75%								
Location : Various Locations Throughout, Near Top Of Building								
Wood Overhead Doors	5%			2035	* *	5	$7,100	
Windows								
Aluminum	100%			2046	* *	5	$1,700	
Unit Inoperable, Extent : Light, Area Affected : 2%								
Location : Rear Office Window								
Parapets								
Masonry: Brick	90%	Now	$3,400	LIFE	* *	5	$2,700	
Broken/Missing Elements, Extent : Light, Area Affected : 50%								
Location : Parapet Wall Adjacent To Roof Hatch								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
Location : Various Locations Throughout								
Paint Peeling, Extent : Light, Area Affected : 15%								
Location : Various Locations Throughout								
Masonry: Limestone	10%	0-2	$700	LIFE	* *	5	$400	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
Location : Various Locations Throughout								
Caulking Deteriorated, Extent : Light, Area Affected : 10%								
Location : Various Locations Throughout								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
System / Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	90%	4+	$16,400	2035	* *			
Blisters, Extent : Moderate, Area Affected : 10%								
Location : Upper Roof								
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 15%								
Location : Various Locations Throughout								
Roll Roofing	5%			2029	$2,800	5	$1,000	
Skylight, Metal/Glass	5%	0-2	$2,000	2050	* *			
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Upper Roof								
Explanation : Failing Caulk Joints								
Interior								
Floors								
Cast in Place Concrete	50%	Now	$5,100	LIFE	* *	5	$20,000	
Horizontal Cracks, Extent : Moderate, Area Affected : 75%								
Location : Throughout Basement.								
Uneven Surface, Extent : Moderate, Area Affected : 30%								
Location : Basement And Apparatus Floor								
Ceramic Tile	2%			2033	* *	5	$400	
Ceramic Tile	3%			2043	* *	5	$500	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Toilet Room								
Quarry Tile	5%			2043	* *	5	$1,400	
Vinyl Tile	15%	Now	$24,900	2040	* *	3	$1,000	
Broken/Missing Elements, Extent : Severe, Area Affected : 2%								
Location : Landing By Rear Stairs And Locker Room.								
Vinyl Tile	25%			2038	* *	3	$1,700	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Throughout								

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*** 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		
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	* *	5	$500	
Ceramic Tile	3%			2043	* *	5	$800	
Recent Construction, Extent : Light, Area Affected : 100%								
Location : Toilet Room								
Gypsum Board	35%			LIFE	* *	5	$5,700	
Masonry: Brick	40%	Now	$45,000	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Basement And Various Locations Throughout.								
Masonry: Fieldstone	5%	Now	$6,100	LIFE	* *			
Other Observation, Extent : Light, Area Affected : 5%								
Location : Basement.								
Explanation : Parged Over Granite Foundation Wall Showed Missing Mortar In Various Locations.								
Plaster	10%	Now	$1,200	LIFE	* *	5	$800	
Broken/Missing Elements, Extent : Light, Area Affected : 75%								
Location : Various Locations Throughout 1st Floor.								
Wood	5%			LIFE	* *	5	$5,400	
Worn/Eroded, Extent : Light, Area Affected : 100%								
Location : Womens Locker Room								
Ceilings								
AcousTileSusp.Lay-In	20%	2-4	$1,600	2043	* *	5	$1,800	
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : Various Locations Throughout, Computer Lounge								
AcousTileSusp.Lay-In	10%			2047	* *	5	$1,800	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Toilet Rooms								
Embossed Metal	30%	Now	$10,300	LIFE	* *	5	$2,500	
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : Over Main Truck Bays								
Paint Peeling, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Exposed Struc: Steel	30%			LIFE	* *			
Gypsum Board	10%			LIFE	* *	5	$2,300	
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	$62,700	2060	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Throughout								
Corrosion/Rusting, Extent : Moderate, Area Affected : 25%								
Location : Rear Parking Lot								
Free Standing Walls								
Cast in Place Concrete	100%			2065	* *			
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
EMS STATION 55
Asset # : 13231

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								
Asphalt	80%	Now	$105,800	2045	* *			
Ponding, Extent : Severe, Area Affected : 15%								
Location : Rear Parking Lot								
Potholes, Extent : Severe, Area Affected : 5%								
Location : Rear Parking Lot								
Sinking/Subsiding, Extent : Severe, Area Affected : 10%								
Location : Rear Parking Lot								
Cast in Place Concrete	20%			2043	* *			

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%			2030	$5,200	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Amperes								
Raceway								
Conduit	100%			2030	$33,500	1		
Panelboards								
Fused Disc Sw	5%			2029	$2,100	5		
Molded Case Bkrs	95%			2029	$39,100	5	$300	
Wiring								
Thermoplastic	100%			2030	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2028	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2028	$5,200	1	$3,800	
Generators								
Diesel	100%			2026	$70,300	1	$4,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : One 81 Kilovolt-ampere								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$500	
Fuel Storage								
Main Tank	100%			2033	* *	5	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : One 60 Gallons								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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

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	100%			2030	$35,300	10	$11,200	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Egress Lighting								
Emergency, Service	50%			2030	$3,200	1		
Exit, Service	50%			2030	$700	1		
Exterior Lighting								
HID	100%			2025	$49,200	10		
Alarm								
Security System								
No Component	70%							
Generic	30%			2030	$11,800	1	$1,400	

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%			2040	* *	1		
Conversion Equipment								
Steam Boiler	100%			2035	* *	1	$12,100	
Distribution								
Steam Piping/Pump	100%	0-2	$1,100	2030	$53,900			
Insul. Deteriorating, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Terminal Devices								
Convector/Radiator	75%			2028	$49,000	1	$3,000	
Unit Heater - Steam	25%			2030	$10,900	4	$400	
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Split Unit	75%			2035	* *			
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 1st And 2nd Floors								
Explanation : 8 Units. R-410a Refrigerant								
Window/Wall Unit	10%			2025	$2,500	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								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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

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								
Interior	10%			2030	$4,300	2		
Roof	10%			2030	$2,000	2		
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	* *	1		
Water Heater								
Gas Fired	100%			2025	$7,400	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Boiler Room								
Explanation : 75 Gallons								
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	
Obsolete Equipment, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%	0-2	$300	2030	$300	1-3		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Kitchen								
Explanation : 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **18-Nov-2016**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,3**		
Block	: **2419** **Lot** : **1**	**BIN**	: **2001898**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$670,400	$515,100
Interior Architecture	$314,700	$183,100
Electrical	$17,400	$60,400
Site Pavements		$98,700
Total	**$1,002,500**	**$857,400**
Importance Code A	$670,400	$515,100
Importance Code B	$228,100	$243,500
Importance Code C	$104,000	$98,700
Total	**$1,002,500**	**$857,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$17,000	$2,000		
Interior Architecture	$25,800	$1,200		$2,500
Electrical	$4,200	$17,900	$4,200	$2,100
Mechanical	$31,600	$8,300	$3,200	$4,500
Site Pavements	$13,300			
Total	**$91,900**	**$29,400**	**$7,400**	**$9,100**
Importance Code A	$19,000	$4,000	$2,000	$2,000
Importance Code B	$53,200	$25,400	$5,400	$7,100
Importance Code C	$19,800			
Total	**$91,900**	**$29,400**	**$7,400**	**$9,100**



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 55 MELROSE STATION
Asset # : 13992

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	$20,700	
Masonry: Brick	88%	Now	$449,800	LIFE	* *	5	$46,500	1
Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Metal Panel	2%			2038	* *	5-10	$7,300	
Metal Sect. OHD	5%			2041	* *	5	$8,300	
Windows								
Aluminum	100%			2036	* *	5	$8,200	
Parapets								
Cast Stone/Terra Cotta	10%	Now	$17,000	LIFE	* *	5	$2,400	
Open Joints, Extent : Severe, Area Affected : 100%								
Location : Top Main Roof								
Water Penetration, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Masonry: Brick	90%	Now	$173,700	LIFE	* *	5	$2,800	
Spalling, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Roof								
Modified Bitumen	100%	Now	$46,900	2028	$468,600			
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Around Roof Hatch								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Around Roof Hatch								
Interior								
Floors								
Cast in Place Concrete	25%			LIFE	* *	5	$17,000	
Ceramic Tile	5%			2037	* *	5	$1,600	
Quarry Tile	5%			2033	* *	5	$2,300	
Vinyl Tile	65%	Now	$18,300	2028	$183,100	3	$7,600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : Offices								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future 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 55 MELROSE STATION
Asset # : 13992

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%	Now	$4,100	2037	* *	5	$1,400	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Second Floor Toilets								
Concrete Masonry Unit	2%			LIFE	* *	5	$400	
Gypsum Board	64%			LIFE	* *	5	$21,300	
Masonry: Brick	15%	Now	$104,000	LIFE	* *			
Water Penetration, Extent : Severe, Area Affected : 50%								
Location : Boiler Room								
Masonry: Fieldstone	2%			LIFE	* *			
Plaster	10%	Now	$2,400	LIFE	* *	5	$1,700	
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : Second Floor Under Roof Hatch								
Wood	2%			LIFE	* *	5	$4,400	
Ceilings								
AcousTileSusp.Lay-In	2%	Now	$300	2033	* *	5	$300	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : First Floor								
Embossed Metal	91%	Now	$210,700	LIFE	* *	5	$13,500	
Broken/Missing Elements, Extent : Severe, Area Affected : 30%								
Location : First And Second Floor								
Deformed/Dented, Extent : Severe, Area Affected : 30%								
Location : First And Second Floor								
Exposed Struc: Steel	2%			LIFE	* *			
Plaster	5%			LIFE	* *	5	$1,000	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2048	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2041	* *			
On-Site Walkways								
Cast in Place Concrete	100%	Now	$3,400	2041	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Concrete Pavement Area Between The Building And Parking Lot								
Parking/Driveway								
Asphalt	80%	Now	$9,900	2031	$98,700			
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : Parking Lot								
Cast in Place Concrete	20%			2041	* *			

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
EMS STATION 55 MELROSE STATION
Asset # : 13992

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%			2028	$5,200	5	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Electrical Room Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2028	$52,200	5	$500	
Raceway								
Conduit	95%			2028	$31,800	1		
Conduit	5%			2048	* *	1		
Panelboards								
Fused Disc Sw	5%			2027	$2,100	5		
Molded Case Bkrs	20%			2027	$8,200	5	$100	
Molded Case Bkrs	75%			2044	* *	5	$400	
Wiring								
Thermoplastic	25%			2028	$7,400	1		
Thermoplastic	75%			2048	* *	1		
Motor Controllers								
Locally Mounted	100%			2041	* *	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$300	
Stand-by Power								
Transfer Switches								
Automatic	100%			2041	* *	1	$6,200	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : Two Automatic Transfer Switches								
Generators								
Diesel	100%			2037	* *	1	$7,800	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Rear Yard								
Explanation : One 81 Kilovolt-ampere								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$700	
Fuel Storage								
Day Tank	100%			2044	* *	5	$3,700	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : One 60 Gallon								
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 55 MELROSE STATION
Asset # : 13992

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	50%			2033	* *	10	$9,200	
T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : Ist Floor								
Fluorescent	30%			2023	$17,400	10	$5,500	
T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Fluorescent	20%			2038	* *	10	$3,700	
T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : 2nd Floor								
Egress Lighting								
Emergency, Service	45%			2033	* *	1		
Emergency, Battery	15%			2033	* *	10	$700	
Exit, Service	40%			2033	* *	1		
Exterior Lighting								
HID	100%			2033	* *	10	$100	
Alarm								
Security System								
Generic	100%			2036	* *	1	$7,500	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Outside And Inside								
Explanation : Nine CCTV Inside								

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%			2048	* *	1		
Conversion Equipment								
Steam Boiler	100%			2041	* *	1	$19,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Unit								
Distribution								
Steam Piping/Pump	100%			2048	* *			
Terminal Devices								
Convector/Radiator	80%			2033	* *	1	$5,200	
Unit Heater - Hot Water	20%			2033	* *			
Air Conditioning								
Energy Source								
Electricity	100%			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
EMS STATION 55 MELROSE STATION
Asset # : 13992

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								
Conversion Equipment								
Split Unit	40%			2033	* *			
Other Observation, Extent : Light, Area Affected : 40%								
Location : Various								
Explanation : 8 Units. R-410a								
Window/Wall Unit	10%			2023	$4,200	1		
No Component	50%							
Terminal Devices								
Fan Coil - 2 Pipe	40%			2033	* *	1	$2,600	
Other Observation, Extent : Light, Area Affected : 40%								
Location : Offices								
Explanation : 7 Units								
No Component	60%							
Heat Rejection								
Evaporative Condenser	40%			2033	* *	2	$5,600	
No Component	60%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	* *	2-5	$1,100	
No Component	90%							
Exhaust Fans								
Roof	10%			2033	* *	2	$100	
No Component	90%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2048	* *	1		
Water Heater								
Gas Fired	100%			2026	$12,200	2	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 - 75 Gallon Unit								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$700	4	$600	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Dry	100%	Now	$27,900	2028	$27,900	1-3	$3,400	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Kitchen								
Explanation : Ars-15b, Needs To Be Replaced								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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

Total

Importance Code

Total

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$21,600	$5,900		
Interior Architecture	$11,200	$200	$500	
Electrical	$600	$2,600	$500	$600
Mechanical	$6,100	$500	$3,000	$500
Site Enclosure	$10,000			
Site Pavements	$7,900			
Total	**$57,500**	**$9,100**	**$4,000**	**$1,100**
Importance Code A	$24,700	$6,200	$300	$300
Importance Code B	$6,600	$3,000	$3,400	$800
Importance Code C	$26,200		$300	
Total	**$57,500**	**$9,100**	**$4,000**	**$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

EMS STATION 57 BEDFORD STUYVESANT STATION

Asset # : 13999

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%			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	
Glazing Broken/Cracked, Extent : Severe, Area Affected : 5%								
Location : West Office Window								
Parapets								
Masonry: Brick	70%			LIFE	* *	5	$1,300	
Pre-Cast Concrete	30%			LIFE	* *	5	$3,500	
Roof								
Single Ply Membrane	100%	4+	$2,900	2035	* *			
Ponding, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Vegetation Growth, Extent : Light, Area Affected : 5%								
Location : Throughout								
Soffits								
Metal/Glass Curt Wall	100%	2-4	$17,100	LIFE	* *	5	$1,900	
Corrosion/Rusting, Extent : Moderate, Area Affected : 35%								
Location : Throughout								
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+	$10,200	LIFE	* *	5	$3,500	
Horizontal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Truck Bay								
Vertical Cracks, Extent : Moderate, Area Affected : 5%								
Location : Truck Bay								
Gypsum Board	25%			LIFE	* *	5	$1,900	
Ceilings								
AcousTileSusp.Lay-In	25%	Now	$1,000	2043	* *	5	$1,100	
Staining/Discoloring, Extent : Light, Area Affected : 3%								
Location : Throughout								
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		
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%			2050	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Iron Picket	40%	Now	$6,500	2065	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Deteriorated Finish, Extent : Moderate, Area Affected : 35%								
Location : Throughout								
Other Observation, Extent : Severe, Area Affected : 20%								
Location : East Fence								
Explanation : Sliding Gate Is Inoperable								
Free Standing Walls								
Cast in Place Concrete	100%	Now	$3,500	2065	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : North Wall								
Retaining Walls								
Cast in Place Concrete	100%			2065	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	2-4	$1,900	2035	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : West Sidewalk								
Parking/Driveway								
Asphalt	78%	Now	$4,100	2039	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Parking Lot At Rear Of Building								
Cast in Place Concrete	22%	2-4	$1,900	2043	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : West 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%			2040	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : One 400 Ampere Service Switch								
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.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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

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								
Wiring								
Thermoplastic	100%			2040	* *	1		
Motor Controllers								
Locally Mounted	10%	4+	$200	2035	* *	5		
Corroded, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Motor Control Center	90%			2035	* *	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Mechanical Room								
Explanation : Copper Clamp Type Hub Connection								
Stand-by Power								
Transfer Switches								
Automatic	100%			2035	* *	1	$1,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : 104 Ampere Switch								
Generators								
Diesel	100%			2033	* *	1	$2,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside On Lower Roof								
Explanation : 70 Kilo-volt-ampere								
Batteries								
Lead/Acid	100%			2023	$1,600	5	$200	
Fuel Storage								
Day Tank	50%			2038	* *	5	$600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside On Lower Roof								
Explanation : 56 Gallon								
Main Tank	50%			2045	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Underground								
Explanation : 2,500 Gallon Tank Shared With Apparatus Fuel Station								
Lighting								
Interior Lighting								
Fluorescent	100%			2030	$17,400	10	$5,500	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Egress Lighting								
Emergency, Service	50%			2030	$1,600	1		
Exit, Service	50%			2030	$400	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Fixtures Are Connected To Building 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

EMS STATION 57 BEDFORD STUYVESANT STATION

Asset # : 13999

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								
Exterior Lighting								
HID	50%			2030	$12,100	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	$5,800	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
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	$2,800	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	$10,600	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								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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

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	100%	Now	$2,800	LIFE	* *	2-5	$3,300	
Leak Evident, Extent : Severe, Area Affected : 5%								
Location : Leaking In Mens Locker Room When It Rains								
Exhaust Fans								
Roof	100%			2035	* *	2	$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2050	* *	1		
Water Heater								
Gas Fired	100%			2028	$3,700	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Water Heater Room								
Explanation : One 74 Gallon Unit								
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	

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **01-Dec-2016**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Floors 1,MEZ**		
Block	: **1562** **Lot** : **36**	**BIN**	: **1050434**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$36,700	$462,800
Interior Architecture	$430,300	$180,400
Electrical	$100,800	$70,300
Mechanical		$346,700
Site Pavements	$84,300	
Total	**$652,000**	**$1,060,100**
Importance Code A	$36,700	$684,300
Importance Code B	$615,300	$375,900
Total	**$652,000**	**$1,060,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$23,200			$7,200
Interior Architecture	$62,900		$300	$1,800
Electrical	$4,700	$3,600	$2,700	$2,700
Mechanical	$27,800	$27,800	$10,300	$500
Total	**$118,600**	**$31,400**	**$13,300**	**$12,100**
Importance Code A	$24,300	$100	$1,200	$7,200
Importance Code B	$54,700	$31,300	$12,100	$5,000
Importance Code C	$39,600			
Total	**$118,600**	**$31,400**	**$13,300**	**$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.*

FIRE DEPARTMENT - 057
EMS STATION 58 EAST 83RD STREET STATION
Asset # : 14000

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 Cavity	60%	Now	$36,700	LIFE	* *	5	$18,300	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Bottom Corner Of Facade At Street Corner								
Vegetation Growth, Extent : Severe, Area Affected : 10%								
Location : Base Of Building Along Preston Court								
Metal Coiling Doors	25%			2026	$462,800	5	$23,900	
Metal Coiling Doors	15%			2045	* *	5	$14,300	
Windows								
Aluminum	100%	0-2	$23,200	2053	* *	5	$300	
Air Infiltration, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Broken/Missing Elements, Extent : Light, Area Affected : 30%								
Location : Throughout								
Hardware Missing, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Unit Inoperable, Extent : Severe, Area Affected : 15%								
Location : Mezzanine Offices								
Parapets								
Not Accessible	100%							
Roof								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Roof Hatch								
Explanation : Access Required Through Neighboring Tenant								
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		
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	$297,000	LIFE	* *	5	$58,500	
Horizontal Cracks, Extent : Severe, Area Affected : 25%								
Location : Truck Bay Floor								
Misaligned/Bulging, Extent : Severe, Area Affected : 30%								
Location : At Column Supports And Control Joints Throughout Truck Bays								
Other Observation, Extent : Severe, Area Affected : 25%								
Location : Various Locations Throughout Truck Bays Due To Differential Settlement Of Slab								
Explanation : Tripping Hazards								
Cast in Place Concrete	5%	Now	$5,400	LIFE	* *	5	$5,300	
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Male / Female Locker Rooms								
Ceramic Tile	5%	Now	$10,100	2031	$50,300	5	$1,200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : Toilet Rooms And Corridors								
Vinyl Tile	15%	Now	$13,200	2028	$66,200	3	$2,700	
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : Throughout First Floor Offices / Corridors								
Vinyl Tile	5%			2036	* *	3	$900	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Mezzanine Offices								
Vinyl Tile 9" X 9"	15%	Now	$85,800	2038	* *	3	$2,700	
Broken/Missing Elements, Extent : Severe, Area Affected : 25%								
Location : Throughout 1st Floor Gymnasium, Kitchen, Breakroom, Captain Locker Room								
Interior Walls								
Ceramic Tile	5%	Now	$6,900	2031	$34,600	5	$600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : Toilet Rooms And Base Of Corridor Walls								
Concrete Masonry Unit	40%	Now	$22,300	LIFE	* *	5	$3,800	
Diagonal Cracks, Extent : Severe, Area Affected : 15%								
Location : Storage Mezzanine								
Gypsum Board	50%	Now	$10,400	LIFE	* *	5	$7,000	
Paint Peeling, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Floor								
Vertical Cracks, Extent : Light, Area Affected : 15%								
Location : Offices And Hallways								
Wood	5%			LIFE	* *	5	$4,700	
Ceilings								
AcousTileSusp.Lay-In	50%	Now	$42,000	2033	* *	5	$12,200	
Misaligned/Bulging, Extent : Moderate, Area Affected : 25%								
Location : Offices And Corridors								
Staining/Discoloring, Extent : Moderate, Area Affected : 10%								
Location : Locker Rooms, Toilet Rooms								
Exposed Struc: Steel	50%			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
EMS STATION 58 EAST 83RD STREET STATION
Asset # : 14000

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								
Public Sidewalk								
Cast in Place Concrete	100%	Now	$84,300	2048	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 75%								
Location : Entire Perimeter Sidewalk								

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%			2038	* *	5	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor Service Room								
Explanation : 2- 400 Amperes Service Switches								
Raceway								
Conduit	100%			2038	* *	1		
Panelboards								
Molded Case Bkrs	100%			2036	* *	5	$700	
Wiring								
Thermoplastic	100%			2038	* *	1		
Motor Controllers								
Locally Mounted	100%			2026	$15,400	5	$200	
Ground								
Grounding Devices								
Not Accessible	100%							
Stand-by Power								
Transfer Switches								
Automatic	100%			2033	* *	1	$7,700	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor Service Room								
Explanation : 600 Amperes Switch								
Generators								
Diesel	100%			2031	$70,300	1	$9,700	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor Service Room								
Explanation : 188 Kilovolt-ampere Generator								
Batteries								
Lead/Acid	100%			2022	$1,600	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

EMS STATION 58 EAST 83RD STREET STATION

Asset # : 14000

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
Stand-by Power								
Fuel Storage								
Day Tank	30%			2036	* *	5	$1,400	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor Rear								
Explanation : 30 Gallon Tank								
Main Tank	70%			2043	* *	5	$500	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Underground								
Explanation : 5,000 Gallons								
Lighting								
Interior Lighting								
Fluorescent	98%			2036	* *	10	$22,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Fixtures								
HID	2%			2023	$500	10		
Egress Lighting								
Emergency, Service	50%			2028	$6,600	1		
Exit, Service	50%			2028	$1,500	1		
Exterior Lighting								
HID	100%			2023	$100,800	10	$100	
Alarm								
Security System								
Generic	100%			2033	* *	1	$9,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Inside, Outside								
Explanation : Exterior Security Camera, Door Alarm								

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%			2048	* *	1		
Conversion Equipment								
Radiant Heater	50%			2028	$221,500	2	$5,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Garage								
Explanation : (4) Gas Fired Radiant Heaters								
Not Accessible	50%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Roof								
Explanation : 3 Gas Fired Rooftop Packaged Units								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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

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								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$13,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Office Space								
Explanation : Office And Support Space Only								
Air Conditioning								
Energy Source								
Electricity	100%			2044	* *	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	40%	Now	$25,000	2028	$125,200	2	$500	
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Roof, Defective Compressors								
Window/Wall Unit	10%			2023	$5,200	1		
No Component	50%							
Distribution								
Ductwork/Diffusers	50%			LIFE	* *	2	$16,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Office / Support Space								
Explanation : Garage Space Is Not Covered By This System								
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	50%			LIFE	* *	2-5	$7,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Garage								
Explanation : Flat Canvas Duct System								
Ductwork/Diffusers	50%			LIFE	* *	2-5	$7,000	
Exhaust Fans								
Interior	25%			2028	$22,200	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 83rd Street Side								
Explanation : Serves Garage Only								
Roof	50%			2028	$20,800	2	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : Serves Garage Only								
Roof	25%	Now	$500	2028	$10,400	2	$200	
Malfunctioning, Extent : Moderate, Area Affected : 25%								
Location : Defective Male And Female Locker Room / Toilet Exhaust Fans								
Plumbing								
H/C Water Piping								
Brass/Copper	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
EMS STATION 58 EAST 83RD STREET STATION
Asset # : 14000

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								
Electric	100%			2023	$22,000	4	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Male Locker Room, Apparatus Floor								
Explanation : 3 - 50 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
Other Observation, Extent : Light, Area Affected : 2%								
Location : Garage								
Explanation : Broken Water Cooler								
Fire Suppression								
Sprinkler								
Generic	100%			2038	* *	1-2	$7,000	

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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$46,200
Total		**$46,200**
Importance Code A		$46,200
Total		**$46,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture		$7,400		
Interior Architecture	$8,300	$1,900	$900	$500
Electrical				$5,900
Mechanical	$500	$200	$1,800	$200
Site Pavements	$700			
Elevators/Escalators	$3,900	$3,900	$3,900	$3,900
Total	**$13,500**	**$13,500**	**$6,700**	**$10,600**
Importance Code A		$7,400		
Importance Code B	$9,400	$6,100	$5,800	$10,600
Importance Code C	$4,000		$900	
Total	**$13,500**	**$13,500**	**$6,700**	**$10,600**



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 8 KIPS BAY
Asset # : 14778

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								
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	$2,300	LIFE	* *	5	$9,100	
Paint Peeling, Extent : Moderate, Area Affected : 15%								
Location : Vehicle Bay								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Vehicle Bay								
Explanation : Concrete Floor Is Coated With Premium Coating, Concrete Topping, Not Regular Paint.								
Ceramic Tile	10%	Now	$400	2039	* *	5	$500	
Broken/Missing Elements, Extent : Light, Area Affected : 1%								
Location : 2nd Floor Shower								
Vinyl Tile	45%	Now	$1,900	2035	* *	3	$1,600	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : 1st And 2nd Floor Corridors, Offices, Storage Rooms And Locker Rooms								
Worn/Eroded, Extent : Moderate, Area Affected : 30%								
Location : 1st And 2nd Floor Corridors, Offices, Storage Rooms And Locker Rooms								
Interior Walls								
Cast in Place Concrete	10%			LIFE	* *			
Ceramic Tile	10%			2039	* *	5	$1,800	
Concrete Masonry Unit	35%	4+	$3,000	LIFE	* *	5	$2,500	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%								
Location : 1st Floor Stair Landing								
Gypsum Board	45%	4+	$700	LIFE	* *	5	$4,900	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : 2nd Floor Crew Area								
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								

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 8 KIPS BAY
Asset # : 14778

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								
Public Sidewalk								
Cast in Place Concrete	100%	4+	$400	2043	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Along East 26th Street								
On-Site Walkways								
Cast in Place Concrete	100%			2043	* *			
Parking/Driveway								
Cast in Place Concrete	100%	4+	$300	2043	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Vehicle Entrance								

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								
Transformers								
Dry Type	100%			2043	* *	5		
Raceway								
Conduit	100%			2050	* *	1		
Panelboards								
Fused Disc Sw	20%			2046	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : First And Second Floor Electrical Closets								
Explanation : Disconnect Switches Mounted To Bus Duct Serving Building Power Supply.								
Molded Case Bkrs	80%			2046	* *	5	$100	
Wiring								
Thermoplastic	100%			2050	* *	1		
Lighting								
Interior Lighting								
Fluorescent	75%			2035	* *	10	$4,200	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Fluorescent	25%			2035	* *	10	$1,400	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Second Floor								
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		
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
EMS STATION 8 KIPS BAY
Asset # : 14778

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%			2046	* *	4	$500	
Terminal Devices								
Convector/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%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Asset Served By Office Of Chief Medical Examiner								
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	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st To 2nd Floor								
Explanation : One Unit								
Fire Suppression								
Sprinkler								
Generic	100%			2050	* *	1-2	$1,700	
Dry System, Extent : Light, Area Affected : 50%								
Location : Garage								

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Mechanical		$74,600
Site Pavements	$124,500	
Total	**$124,500**	**$74,600**
Importance Code B		$74,600
Importance Code C	$124,500	
Total	**$124,500**	**$74,600**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$33,700	$11,200		$6,900
Interior Architecture	$63,300			$1,200
Electrical	$17,900	$1,200	$1,000	$26,300
Mechanical	$11,100	$8,300	$2,500	$2,400
Site Enclosure	$9,800			
Total	**$135,900**	**$20,700**	**$3,500**	**$36,800**
Importance Code A	$35,100	$12,600	$1,400	$8,500
Importance Code B	$61,800	$8,100	$2,200	$28,400
Importance Code C	$38,900			
Total	**$135,900**	**$20,700**	**$3,500**	**$36,800**



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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
Exterior								
Exterior Walls								
Masonry: Brick	15%	4+	$4,300	LIFE	* *	5	$2,700	
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : East Wall Of Engine Company 328								
Masonry: Granite	5%			LIFE	* *	5	$700	
Staining/Discoloring, Extent : Light, Area Affected : 2%								
Location : Facade Base; Front Facade.								
Masonry: Limestone	15%	0-2	$6,300	LIFE	* *	5	$2,000	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : At Joint Between Limestone And Granite								
Caulking Deteriorated, Extent : Moderate, Area Affected : 15%								
Location : Around All Overhead Doors And Adjacent Building								
Staining/Discoloring, Extent : Light, Area Affected : 2%								
Location : Cornice, Front Facade								
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+	$800	LIFE	* *	5	$700	
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 2%								
Location : Parapet Wall South side								
Masonry: Limestone	10%			LIFE	* *	5	$100	
Staining/Discoloring, Extent : Light, Area Affected : 20%								
Location : Coping On Main Roof								
Stucco Cement	15%			2035	* *	5	$300	
Roof								
Built-Up (BUR)	100%	Now	$22,200	2035	* *			
Debris on Roof, Extent : Moderate, Area Affected : 5%								
Location : Southeast Corner								
Miss/Damaged Flashings, Extent : Light, Area Affected : 5%								
Location : Fourth Floor Roof East Wall								
Patching Evident, Extent : Moderate, Area Affected : 10%								
Location : Various Locations								
Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%								
Location : At Patched Locations								
Interior								

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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								
Floors								
Cast in Place Concrete	75%	Now	$8,700	LIFE	* *	5	$34,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Third Floor Gymnasium								
Horizontal Cracks, Extent : Light, Area Affected : 5%								
Location : Various Locations Throughout All Floors								
Ceramic Tile	5%	0-2	$1,100	2033	* *	5	$500	
Worn/Eroded, Extent : Light, Area Affected : 10%								
Location : Toilets Throughout								
Quarry Tile	5%			2035	* *	5	$1,600	
Worn/Eroded, Extent : Light, Area Affected : 10%								
Location : Kitchen								
Vinyl Tile	15%	Now	$2,800	2035	* *	3	$1,200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Various Locations Throughout								
Worn/Eroded, Extent : Light, Area Affected : 75%								
Location : Throughout								

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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	$1,300	2033	* *	5	$400	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Toilets And Kitchen								
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Toilets And Kitchen								
Gypsum Board	15%	2-4	$600	LIFE	* *	5	$1,600	
Paint Peeling, Extent : Light, Area Affected : 5%								
Location : Various Locations Throughout								
Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%								
Location : Various Locations								
Masonry: Brick	15%	Now	$5,600	LIFE	* *			
Horizontal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%								
Location : Engine Company Basement Under Sidewalk Grate								
Paint Peeling, Extent : Light, Area Affected : 50%								
Location : Basement								
Plaster	45%	Now	$6,900	LIFE	* *	5	$2,400	
Cracking/Crumbling, Extent : Severe, Area Affected : 15%								
Location : Various Locations								
Paint Peeling, Extent : Light, Area Affected : 20%								
Location : Various Locations								
Spalling, Extent : Light, Area Affected : 10%								
Location : Various Locations								
Water Penetration, Extent : Severe, Area Affected : 25%								
Location : Various Locations								
SGFT/Glazed Masonry	20%	Now	$14,800	LIFE	* *			
Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Room								
Horizontal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Room								

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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								
Ceilings								
AcousTileSusp.Lay-In	55%	Now	$5,000	2043	* *	5	$5,700	
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : Various Locations								
Misaligned/Bulging, Extent : Moderate, Area Affected : 25%								
Location : Various Locations								
Staining/Discoloring, Extent : Light, Area Affected : 10%								
Location : Truck Bunk Room								
Exposed Concrete	15%	Now	$10,800	LIFE	* *	5	$500	
Cracking/Crumbling, Extent : Severe, Area Affected : 15%								
Location : Basement								
Exposed Reinforcement, Extent : Severe, Area Affected : 20%								
Location : Engine Company Basement								
Spalling, Extent : Severe, Area Affected : 10%								
Location : Basement								
Other Observation, Extent : Severe, Area Affected : 20%								
Location : North Side Of Ladder Company Basement.								
Explanation : Corroded Steel Beam. Supplemental Supports Are In Place.								
Gypsum Board	10%			LIFE	* *	5	$2,600	
Other Observation, Extent : Light, Area Affected : 10%								
Location : Toilets And Showers								
Explanation : Paint Peeling								
Plaster	20%	Now	$5,800	LIFE	* *	5	$2,600	
Cracking/Crumbling, Extent : Severe, Area Affected : 15%								
Location : Various Locations								
Paint Peeling, Extent : Light, Area Affected : 15%								
Location : Various Locations								
Staining/Discoloring, Extent : Light, Area Affected : 15%								
Location : Various Locations								
Water Penetration, Extent : Severe, Area Affected : 15%								
Location : Various Locations								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	$9,800	2060	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 60%								
Location : Throughout								
Corrosion/Rusting, Extent : Severe, Area Affected : 60%								
Location : Throughout								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2043	* *			
On-Site Walkways								
Cast in Place Concrete	100%	Now	$86,800	2050	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Side Yard Steps And Walkway								

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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
Site Pavements								
Parking/Driveway								
Asphalt	100%	Now	$37,800	2045	* *			
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		
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	5%			2050	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : One 100 Ampere For Solar Panel								
Molded Case Bkrs	95%			2060	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : North Side Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Raceway								
Conduit	70%			2040	* *	1		
Conduit	30%			2060	* *	1		
Panelboards								
Fused Disc Sw	4%			2038	* *	5		
Fused Disc Sw	1%			2046	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : One Photovoltaic Inverter								
Molded Case Bkrs	55%			2038	* *	5	$200	
Molded Case Bkrs	40%			2055	* *	5	$100	
Wiring								
Thermoplastic	70%			2040	* *	1		
Thermoplastic	30%			2060	* *	1		
Motor Controllers								
Locally Mounted	100%			2035	* *	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2043	* *	1	$4,300	

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FIRE DEPARTMENT - 057
ENG CO 264, 328/ LAD CO 134
Asset # : 13153

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
Stand-by Power								
Generators								
Diesel	100%			2039	* *	1	$5,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : One 75 Kilowatts								
Batteries								
Nickel Cadmium	100%			2025	$1,600	5	$3,100	
Fuel Storage								
Day Tank	100%			2046	* *	5	$2,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : One 125 Gallons								
Lighting								
Interior Lighting								
Fluorescent	50%			2035	* *	10	$6,400	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Garage, Basement And 3rd Floor								
Fluorescent	5%			2030	$2,000	10	$600	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement								
LED	45%			2040	* *			
Egress Lighting								
Emergency, Service	30%			2030	$2,200	1		
Emergency, Service	20%			2040	* *	1		
Emergency, Battery	5%			2030	$1,000	10	$200	
Exit, LED	35%			2070	* *	1		
Exit, Service	10%			2030	$200	1		
Exterior Lighting								
HID	30%	Now	$16,900	2040	* *			
Not in Service, Extent : Moderate, Area Affected : 100%								
Location : Outside Wall Perimeter								
No Component	70%							
Alarm								
Fire/Smoke Detection								
No Component	90%							
Generic, Analog	10%			2025	$15,400	1-3	$900	

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%			2050	* *	1		

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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

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	100%			2043	* *	1	$13,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	10%	0-2	$300	2040	* *			
Malfunctioning, Extent : Moderate, Area Affected : 10%								
Location : Thermostats, Various Locations								
Steam Piping/Pump	90%			2040	* *			
Terminal Devices								
Convector/Radiator	100%			2028	$74,600	1	$4,500	
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Split Unit	20%			2038	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Lower Roof								
Explanation : 4 Units, R-410a								
Window/Wall Unit	20%			2023	$5,800	1		
Window/Wall Unit	20%			2028	$5,800	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	20%			2038	* *	1	$900	
No Component	80%							
Heat Rejection								
Air Cooled Condenser Unit	20%			2038	* *	2	$1,900	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	* *	2-5	$800	
No Component	90%							
Exhaust Fans								
Roof	10%			2038	* *	2		
Wall Unit	30%	0-2	$1,500	2040	* *	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : 2 Old Units, Extended Life Time. Serves Engine Bays Only								
No Component	60%							
Plumbing								

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FIRE DEPARTMENT - 057
ENG CO 264, 328/ LAD CO 134
Asset # : 13153

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	3%	0-2	$100	2050	* *	1		
Not Insulated, Extent : Light, Area Affected : 10%								
Location : Near Water Main Valve, Basement								
Brass/Copper	97%			2040	* *	1		
Water Heater								
Gas Fired	100%			2028	$8,500	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	20%	0-2	$6,100	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : Kitchen And East Side Of The Basment								
Corroded, Extent : Moderate, Area Affected : 20%								
Location : Front Of Basement								
Leak Evident, Extent : Moderate, Area Affected : 10%								
Location : From 3rd Floor Shower To 2nd Floor								
Cast Iron	80%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	20%	0-2	$300	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 5%								
Location : East Side Of The Roof								
Cast Iron	80%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%	0-2	$500	2025	$500	4	$300	
Obsolete Equipment, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Fixtures								
Generic	100%							
Other Observation, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Mens Room								
Explanation : Broken Toilet								
Fire Suppression								
Chemical System								
No Component	98%							
Generic	2%			2023	$600	1-3	$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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$724,000	
Electrical	$64,700	$54,400
Mechanical	$46,700	$255,500
Total	**$835,400**	**$309,900**
Importance Code A	$724,000	$38,800
Importance Code B	$111,500	$271,100
Total	**$835,400**	**$309,900**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$22,000	$3,400		
Interior Architecture	$30,800	$2,200	$2,700	$500
Electrical		$300	$100	$8,000
Mechanical	$1,900	$1,400	$6,000	$48,000
Site Enclosure	$18,400			
Total	**$73,100**	**$7,300**	**$8,700**	**$56,600**
Importance Code A	$22,400	$3,600	$400	$200
Importance Code B	$16,300	$3,700	$7,300	$56,400
Importance Code C	$34,400		$1,100	
Total	**$73,100**	**$7,300**	**$8,700**	**$56,600**



Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
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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		
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	$158,600	LIFE	* *	5	$12,300	
Rusting Masonry Supt, Extent : Moderate, Area Affected : 50%								
Location : Lintels Supporting Masonry Above Windows And Brick Reliefs.								
Metal Sect. OHD	10%			2043	* *	5	$6,400	
Granite Panels	30%	Now	$69,700	LIFE	* *	5	$4,600	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 30%								
Location : Throughout								
Windows								
Aluminum	50%	Now	$18,100	2055	* *	5	$200	
Unit Inoperable, Extent : Severe, Area Affected : 70%								
Location : Throughout								
Aluminum	50%			2038	* *	5	$400	
Parapets								
Masonry: Brick	82%	Now	$59,500	LIFE	* *	5	$4,800	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Missing Portion Of Brick Parapet At Front Facade, Roof Level								
Diagonal Cracks, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Metal Cornice	5%			2058	* *	10	$900	
Metal Rail	3%	Now	$300	2035	* *	5	$1,300	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Section Of Railing Missing Along Front Of Building								
Loose/Miss Fasteners, Extent : Light, Area Affected : 10%								
Location : Front Facade								
Granite Panels	10%	Now	$3,600	LIFE	* *	5	$600	
Caulking Deteriorated, Extent : Severe, Area Affected : 100%								
Location : Caulking At Granite Capstones Failed								
Roof								
Modified Bitumen	100%	0-2	$436,200	2040	* *			1
Alligatoring, Extent : Light, Area Affected : 15%								
Location : Asphalt Joints Throughout.								
Blisters, Extent : Moderate, Area Affected : 30%								
Location : Roof Membrane Delaminate From Substrate Throughout								
Broken/Missing Elements, Extent : Severe, Area Affected : 75%								
Location : Roofing Termination Delaminated At Parapets Throughout								
Interior								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
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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		
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	$6,800	LIFE	* *	5	$26,700	
Horizontal Cracks, Extent : Light, Area Affected : 5%								
Location : Apparatus Floor And Stair Shaft Landings.								
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	$5,000	LIFE	* *	5	$400	
Diagonal Cracks, Extent : Light, Area Affected : 15%								
Location : Mechanical Penthouse.								
Gypsum Board	10%			LIFE	* *	5	$1,300	
Other Observation, Extent : Moderate, Area Affected : 90%								
Location : Partial Renovation At 2nd Floor Spaces								
Explanation : Currently Under Construction								
Plaster	35%			LIFE	* *	5	$2,200	
SGFT/Glazed Masonry	25%	Now	$11,000	LIFE	* *			
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : Gymnasium And Apparatus Floor								
SGFT/Glazed Masonry	15%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	10%			2050	* *	5	$1,000	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Partial Renovation At 2nd Floor Spaces								
Explanation : Currently Under Construction								
Exposed Concrete	35%			LIFE	* *	5	$600	
Plaster	55%	0-2	$8,000	LIFE	* *	5	$3,600	
Paint Peeling, Extent : Light, Area Affected : 2%								
Location : Stair Shaft And Shower Area On 2nd Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 20%								
Location : Kitchen And 2nd Floor Throughout								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2050	* *			
Free Standing Walls								
Masonry: Brick	100%	2-4	$18,400	2050	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : East Side - Within Outdoor Parking Area								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : East Side - Within Outdoor Parking Area								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2035	* *			

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
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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		
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%			2035	* *			
Parking/Driveway								
Asphalt	100%			2033	* *			

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								
Not Accessible	100%							
Switchgear / Switchboard								
Not Accessible	100%							
Raceway								
Conduit	50%			2030	$16,700	1		
Conduit	50%			2050	* *	1		
Panelboards								
Molded Case Bkrs	75%			2046	* *	5	$400	
Molded Case Bkrs	25%			2029	$10,300	5	$100	
Wiring								
Thermoplastic	100%			2040	* *	1		
Motor Controllers								
Motor Control Center	100%			2028	$15,400	5	$600	
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
Fluorescent	40%			2038	* *	10	$8,000	
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	$25,400	10	$8,000	
LED	20%			2025	$39,300			
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	$44,200	10		
No Component	50%							

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								

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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		
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		
	Other Observation, Extent : Light, Area Affected : 100%							
	Location : 1st Floor							
	Explanation : Serves Borough Commander Space On 2nd Floor							
Not Accessible	75%							
	Other Observation, Extent : Light, Area Affected : 0%							
	Location : Throughout							
	Explanation : Served By Adjacent Building							
Conversion Equipment								
Hot Water Boiler	15%			2050	* *	1	$1,600	
	Other Observation, Extent : Light, Area Affected : 100%							
	Location : 1st Floor							
	Explanation : Serves 2nd Floor Borough Command							
Radiant Heater	10%			2030	$38,800	2	$1,000	
	Other Observation, Extent : Severe, Area Affected : 100%							
	Location : All Rooms							
	Explanation : No Hot Water For Heating Is Being Provided By Adjacent Space So Electric Unit Heaters Are Being Used							
Not Accessible	75%							
	Other Observation, Extent : Light, Area Affected : 0%							
	Location : Served By Adjacent Building							
	Explanation : No Heat Being Provided							
Distribution								
Hot Wtr Piping/Pump	85%			2046	* *	4	$1,400	
	Other Observation, Extent : Severe, Area Affected : 100%							
	Location : 1st Floor							
	Explanation : No Hot Water Being Provided By Adjacent Building							
Hot Wtr Piping/Pump	15%			2055	* *	4	$200	
	Other Observation, Extent : Light, Area Affected : 100%							
	Location : 2nd Floor							
	Explanation : 2nd Floor Borough Command							
Terminal Devices								
Air Handler	40%			2030	$123,200	1	$5,400	
Convector/Radiator	60%			2035	* *	1	$4,200	
Air Conditioning								
Energy Source								
Electricity	100%			2046	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%			2035	* *	2	$300	
	Other Observation, Extent : Light, Area Affected : 100%							
	Location : Roof							
	Explanation : R 410a							
Split Unit	20%			2030	$93,500			
Window/Wall Unit	60%			2025	$27,400	1		

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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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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	$46,700	2	$400	
Roof	40%			2030	$14,500	2	$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	* *	1		
Water Heater								
Electric	100%			2025	$19,300	4	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Two 120 Gallon Units								
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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Gymnasium Locker Rooms And Pole Shaft								
Explanation : Limited Coverage								

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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$54,600
Mechanical		$140,400
Total		**$195,000**
Importance Code A		$54,600
Importance Code B		$140,400
Total		**$195,000**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$2,900	$6,600		
Interior Architecture	$16,700		$1,600	
Electrical	$800	$800	$2,600	$3,000
Mechanical	$46,700	$1,300	$6,500	$5,000
Site Enclosure	$2,600			
Total	**$69,700**	**$8,700**	**$10,700**	**$8,000**
Importance Code A	$3,500	$7,100	$600	$600
Importance Code B	$62,600	$1,600	$9,800	$7,400
Importance Code C	$3,600		$400	
Total	**$69,700**	**$8,700**	**$10,700**	**$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.
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FIRE DEPARTMENT - 057
ENGINE CO. 1/ HOOK AND LADDER 24
Asset # : 13001

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	75%			LIFE	* *	5	$21,000	
Masonry: Limestone	5%			LIFE	* *	5	$1,100	
Metal Panel	5%	2-4	$200	2050	* *	5	$2,600	
Corrosion/Rusting, Extent : Moderate, Area Affected : 5%								
Location : Front Of Building, Main Entrance								
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	$2,700	2026	$54,600	5	$10,300	
Drains Clogged, Extent : Moderate, Area Affected : 10%								
Location : Main Roof								
Gut/DS Non Func/Miss, Extent : Light, Area Affected : 10%								
Location : Upper Roof								
Ponding, Extent : Moderate, Area Affected : 10%								
Location : Main Roof								
Other Observation, Extent : Light, Area Affected : 60%								
Location : Throughout								
Explanation : Alligatoring At Seams								
Skylight, Metal/Glass	5%			2050	* *	10	$2,200	
Interior								
Floors								
Cast in Place Concrete	45%	0-2	$4,000	LIFE	* *	5	$15,800	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Basement Boiler Area								
Ceramic Tile	15%			2039	* *	5	$2,400	
Wood	40%	0-2	$11,300	2058	* *	5	$6,000	
Deteriorated Finish, Extent : Light, Area Affected : 50%								
Location : Throughout								

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*** 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		
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	$400	LIFE	* *	5	$2,700	
Cracking/Crumbling, Extent : Light, Area Affected : 1%								
Location : Stairwell All Floors								
Masonry: Brick	5%	Now	$600	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Around Fuel Fill In Basement								
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	$300	LIFE	* *	5	$2,000	
Water Penetration, Extent : Light, Area Affected : 5%								
Location : 2nd Floor Ceiling And Skylight								
Metal Panel	10%			LIFE	* *	5	$2,000	
Plaster	55%			LIFE	* *	5	$5,500	
Site Enclosure								
Fence/Gates								
Chain Link	90%	2-4	$2,600	2040	* *			
Impact Damage, Extent : Moderate, Area Affected : 10%								
Location : West Side								
Chain Link	10%			2050	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 5%								
Location : North Side								
Other Observation, Extent : Light, Area Affected : 100%								
Location : North Side								
Explanation : Material Metal Panel								
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		
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		
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		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : The Switch Is Rated 400 Amperes. It Is In Good Condition.								
Switchgear / Switchboard								
Fused Disc Sw	100%			2050	* *	5		
Raceway								
Conduit	70%			2030	$23,400	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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : The Engine Has A 65 Kilowatt Portable Generator.								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$400	
Fuel Storage								
Day Tank	100%			2046	* *	5	$2,100	
Lighting								
Interior Lighting								
Fluorescent	20%			2035	* *	10	$2,100	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Corridors								
HID	10%			2035	* *	10		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : Mostly Pendant Fixtures								
LED	70%			2038	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st, 2nd And 3rd Floor								
Explanation : Most Lighting Fixtures Were Replaced With LED Type Fixtures Last Year.								
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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Exterior Lighting								
HID	100%			2035	* *	10		

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%			2050	* *	1		
Conversion Equipment								
Furnace	50%			2030	$13,300	1	$2,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 4 Heating / Cooling Units								
Hot Water Boiler	50%			2035	* *	1	$2,800	
Distribution								
Ductwork/Diffusers	50%			LIFE	* *	2-5	$3,200	
Hot Wtr Piping/Pump	50%			2038	* *	4	$400	
Terminal Devices								
Convector/Radiator	100%			2043	* *	1	$3,700	
Air Conditioning								
Energy Source								
Electricity	100%			2046	* *	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	99%			2030	$140,400	2	$700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 4 Heating / Cooling Units R-22								
Window/Wall Unit	1%			2025	$200	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.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Water Heater								
Gas Fired	50%			2025	$3,500	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 72 Gallon Unit								
Gas Fired	50%			2029	$3,500	2	$100	
Recent Replace Evident, Extent : Light, Area Affected : 50%								
Location : Basement								
Other Observation, Extent : Light, Area Affected : 50%								
Location : Basement								
Explanation : One 72 Gallon Unit								
Sanitary Piping								
Cast Iron	100%	Now	$33,200	LIFE	* *	1		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : Reported That Main Drain Requires Monthly Cleaning. Reason For Require Cleaning Was Not Visible. 2nd Time Reported								
Storm Drain Piping								
Cast Iron	100%	2-4	$11,800	LIFE	* *	1		
Cracked, Extent : Moderate, Area Affected : 50%								
Location : Roof								
Damaged, Extent : Moderate, Area Affected : 50%								
Location : Roof								
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	$600	1-3	$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.
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*** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Mechanical		$138,500
Total		**$138,500**
Importance Code B		$138,500
Total		**$138,500**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$45,900		$5,200	
Interior Architecture	$34,000		$1,100	$400
Electrical	$600	$400	$500	$2,000
Mechanical	$4,200	$1,100	$800	$1,100
Total	**$84,800**	**$1,500**	**$7,600**	**$3,500**
Importance Code A	$45,900		$5,200	$200
Importance Code B	$26,000	$1,500	$2,400	$3,300
Importance Code C	$12,900			
Total	**$84,800**	**$1,500**	**$7,600**	**$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. 10
Asset # : 13009

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								
Exposed Struc: Steel	2%			LIFE	* *	5	$3,200	
Masonry: Brick	75%	4+	$30,600	LIFE	* *	5	$19,000	
Rusting Masonry Supt, Extent : Moderate, Area Affected : 5%								
Location : Bulkhead Windows								
Metal Panel	18%			2051	* *	5-10	$31,300	
Wood Overhead Doors	5%			2044	* *	5	$6,300	
Windows								
Aluminum	95%	Now	$500	2047	* *	5	$300	
Hardware Missing, Extent : Severe, Area Affected : 2%								
Location : 2nd Floor Engine Office								
Metal Louvers	5%			2040	* *	10	$200	
Parapets								
Cast Stone/Terra Cotta	10%	0-2	$600	LIFE	* *	5	$700	
Broken/Missing Elements, Extent : Severe, Area Affected : 2%								
Location : Main Roof								
Masonry: Brick	70%			LIFE	* *	5-10	$4,400	
Metal Rail	20%			2044	* *	5-10	$3,300	
Roof								
Modified Bitumen	100%	2-4	$8,900	2036	* *			
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 5%								
Location : Main Roof								
Soffits								
Stucco Cement	100%			2044	* *	5		
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	* *	5	$15,000	
Ceramic Tile	10%			2040	* *	5	$900	
Quarry Tile	5%			2036	* *	5	$600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Painted Surface								
Sheet Vinyl/Rubber	45%	Now	$6,100	2036	* *	5	$2,900	
Punct/Tear/Impact Damage, Extent : Light, Area Affected : 2%								
Location : 2nd Floor Corridor, Office And Locker Room								
Interior Walls								
Ceramic Tile	10%	Now	$700	2040	* *	5	$600	
Broken/Missing Elements, Extent : Severe, Area Affected : 2%								
Location : 2nd Floor Mens Toilet								
Concrete Masonry Unit	35%			LIFE	* *	5	$3,300	
Gypsum Board	15%			LIFE	* *	5-10	$3,000	
SGFT/Glazed Masonry	25%			LIFE	* *	10	$1,500	
Wood	15%			LIFE	* *	5	$14,200	

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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. 10
Asset # : 13009

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	25%			2044	* *	5	$2,100	
Exposed Concrete	70%			LIFE	* *	5-10	$7,500	
Gypsum Board	5%			LIFE	* *	5-10	$1,500	
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	* *			
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		
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	
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	$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	* *	1	$1,600	
Generators								
Diesel	100%			2040	* *	1	$2,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room Basement								
Explanation : One 80 Kilovolt Ampere								
Batteries								
Lead/Acid	100%			2025	$1,600	5	$200	

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FIRE DEPARTMENT - 057
ENGINE CO. 10
Asset # : 13009

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
Stand-by Power								
Fuel Storage								
Main Tank	100%			2059	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 275 Gallons								
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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Only								
Explanation : Survelliance Camera Cctv								

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								
Utility Steam	100%	Now	$900	2051	* *	1		
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Explanation : High Pressure Steam Pipe Needs Insulation And New Valves								
Conversion Equipment								
Pres. Reducing Valve/LP Steam	100%			2040	* *	5	$300	
Distribution								
Hot Wtr Piping/Pump	100%			2039	* *	4	$400	
Insul. Deteriorating, Extent : Light, Area Affected : 30%								
Location : Basement								
Terminal Devices								
Convector/Radiator	90%			2044	* *	1	$1,500	
Unit Heater - Hot Water	10%			2031	$2,000			
Air Conditioning								
Energy Source								
Electricity	100%			2047	* *	1		

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*** 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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Conversion Equipment								
Interior Pkg Unit - Cooling	70%			2029	$138,500	2	$200	
Window/Wall Unit	10%			2029	$1,100	1		
No Component	20%							
Heat Rejection								
Air Cooled Condenser Unit	90%			2031	$7,700	2	$3,300	
No Component	10%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$4,700	
Exhaust Fans								
Interior	5%			2036	* *	2		
Roof	80%			2036	* *	2	$100	
Roof	15%	Now	$1,300	2041	* *	2		
Unit Inoperable, Extent : Moderate, Area Affected : 20%								
Location : Roof. Serves Locker Room								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Electric	100%			2029	$4,700	4		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 119 Gallon Units								
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	$2,800	1-3	$400	
No Component	90%							

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$164,400	
Total	**$164,400**	
Importance Code A	$164,400	
Total	**$164,400**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$38,800			
Interior Architecture	$80,300		$600	$800
Electrical	$100			
Mechanical	$4,100	$700	$700	$800
Total	**$123,300**	**$700**	**$1,300**	**$1,600**
Importance Code A	$39,300	$500	$500	$500
Importance Code B	$75,700	$200	$800	$500
Importance Code C	$8,300			$600
Total	**$123,300**	**$700**	**$1,300**	**$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.
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FIRE DEPARTMENT - 057
ENGINE CO. 14
Asset # : 13010

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	10%			LIFE	* *	5	$24,500	
Masonry: Brick	65%			LIFE	* *	5	$20,400	
Masonry: Granite	5%	Now	$10,100	LIFE	* *	5	$600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : At Base								
Masonry: Limestone	10%			LIFE	* *	5	$2,400	
Wood Overhead Doors	10%			2036	* *	5	$7,900	
Windows								
Wood	100%	Now	$65,200	2056	* *	5	$10,900	
Thermally Inefficient, Extent : Moderate, Area Affected : 100%								
Location : Front Facade								
Split/Cracked, Extent : Moderate, Area Affected : 50%								
Location : Front Facade								
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	30%			LIFE	* *	5-10	$5,000	
Other Observation, Extent : Light, Area Affected : 20%								
Location : Front Facade								
Explanation : Stone Terra Cotta Cornice								
Masonry: Brick	55%	4+	$1,000	LIFE	* *	5	$300	
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 2%								
Location : Main Roof								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Parapet Walls								
Explanation : Covered With Roof Membrane								
Metal Panel	15%			2051	* *	5	$300	
Roof								
Asphalt Shingle	10%	0-2	$400	2040	* *			
Misaligned/Bulging, Extent : Moderate, Area Affected : 10%								
Location : Raised Roof Area Towards Front Of Building								
Modified Bitumen	85%	0-2	$60,500	2041	* *			
Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 20%								
Location : Raised Roof Area Towards Front Of Building								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : 3rd Floor								
Skylight, Metal/Glass	5%	Now	$38,700	2061	* *			
Deteriorated Finish, Extent : Severe, Area Affected : 10%								
Location : Roof								
Glazing Broken/Cracked, Extent : Moderate, Area Affected : 10%								
Location : Over Third Floor								
Thermally Inefficient, Extent : Severe, Area Affected : 75%								
Location : Roof								
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 14
Asset # : 13010

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%			LIFE	* *	5	$19,200	
Ceramic Tile	5%	Now	$2,700	2040	* *	5	$200	
Water Penetration, Extent : Severe, Area Affected : 30%								
Location : 2nd Floor Laundry Room And 3rd Floor Bathroom								
Quarry Tile	5%			2044	* *	5	$700	
Vinyl Tile	20%	Now	$16,000	2041	* *	3	$700	
Broken/Missing Elements, Extent : Severe, Area Affected : 25%								
Location : 2nd Floor, Bunk Rooms								
Cracking/Crumbling, Extent : Severe, Area Affected : 25%								
Location : 2nd Floor								
Worn/Eroded, Extent : Severe, Area Affected : 25%								
Location : Second Floor								
Wood	20%	Now	$12,400	2046	* *	5	$1,600	
Deteriorated Finish, Extent : Moderate, Area Affected : 25%								
Location : Third Floor								
Split/Cracked, Extent : Moderate, Area Affected : 20%								
Location : Third Floor								
Interior Walls								
Ceramic Tile	10%			2040	* *	5	$1,200	
Masonry: Brick	15%			LIFE	* *	10	$500	
Plaster	75%	Now	$7,800	LIFE	* *	5	$2,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : East Side								
Ceilings								
AcousTileSusp.Lay-In	5%			2044	* *	5	$400	
Embossed Metal	70%	Now	$28,900	LIFE	* *	5	$2,800	
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : Third Floor								
Deteriorated Finish, Extent : Moderate, Area Affected : 25%								
Location : Third Floor								
Exposed Concrete	20%			LIFE	* *	5-10	$2,200	
Gypsum Board	5%	0-2	$500	LIFE	* *	5	$600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Attic Ceiling Due To Roof Leaks								
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		
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 : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
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	$200	
Lighting								
Interior Lighting								
LED	100%			2036	* *			
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Exterior Lighting								
LED	20%			2036	* *			
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%			2041	* *	1		
Conversion Equipment								
Steam Boiler	100%			2044	* *	1	$5,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	100%			2051	* *			
Terminal Devices								
Convector/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.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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								
Conversion Equipment								
Window/Wall Unit	50%			2026	$5,300	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	* *	2-5	$500	
No Component	90%							
Exhaust Fans								
Roof	10%			2031	$800	2		
Wall Unit	10%			2026	$200	2		
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2029	$3,100	2	$100	
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	50%			LIFE	* *	1		
Cast Iron	50%	Now	$3,200	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 50%								
Location : Cellar And Floor Drain. Occasional Sewer Backups								
Fixtures								
Generic	90%							
Generic	10%							
Leaking Connections, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor Bathroom Leaking To 1st Floor								
Fire Suppression								
Chemical System								
Wet	10%			2026	$2,800	1-3	$500	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Interior Architecture	$70,800	
Total	**$70,800**	
Importance Code B	$70,800	
Total	**$70,800**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$56,300		$6,500	
Interior Architecture	$47,800			$800
Electrical	$800	$500	$600	$2,100
Mechanical	$8,300	$900	$1,200	$900
Site Enclosure	$3,000			
Total	**$116,200**	**$1,400**	**$8,300**	**$3,800**
Importance Code A	$57,000	$700	$7,100	$700
Importance Code B	$36,000	$800	$1,100	$3,000
Importance Code C	$23,200			$200
Total	**$116,200**	**$1,400**	**$8,300**	**$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. 151/ LADDER CO. 76
Asset # : 13081

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	$17,800	
Masonry: Brick	70%			LIFE	* *	5	$32,000	
Masonry: Granite	5%	4+	$2,900	LIFE	* *	5	$900	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%								
Location : Front Elevation								
Metal Sect. OHD	15%			2044	* *	5	$10,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front Elevation								
Explanation : Apparatus Overhead Door Replaced With Fiberglass Doors								
Stucco Cement	5%	Now	$3,500	2036	* *	5	$1,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Stair Bulkhead								
Windows								
Aluminum	100%			2039	* *	5	$1,900	
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	* *	5-10	$15,700	
Masonry: Brick	80%	0-2	$13,600	LIFE	* *	5	$2,200	
Spalling, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Roof								
Asphalt Shingle	8%			2034	* *	10	$100	
Modified Bitumen	90%			2041	* *	10	$9,500	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Main Roof								
Skylight, Metal/Glass	2%			2051	* *	10	$700	
Interior								
Floors								
Cast in Place Concrete	50%	Now	$5,800	LIFE	* *	5	$11,500	
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : Roof Bulkhead Landing And Apparatus Floor								
Ceramic Tile	3%			2040	* *	5	$300	
Quarry Tile	10%			2036	* *	5	$1,600	
Terrazzo	2%			LIFE	* *	5	$300	
Vinyl Tile	35%	0-2	$16,700	2031	$33,300	3	$1,400	
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Throughout 2nd Floor								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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	$9,000	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Ceramic Tile	3%			2040	* *	5	$400	
Masonry: Brick	10%			LIFE	* *	10	$400	
Marble Panels	1%			LIFE	* *	10	$100	
Plaster	30%	Now	$6,800	LIFE	* *	5	$1,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Stairwell And Hose Tower Bulkhead								
Deteriorated Finish, Extent : Moderate, Area Affected : 15%								
Location : 2nd Floor Bathroom Areas								
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : Stairwell And Hose Tower Bulkhead								
SGFT/Glazed Masonry	44%			LIFE	* *	10	$2,900	
Wood	2%			LIFE	* *	5	$2,100	
Ceilings								
AcousTileSusp.Lay-In	10%	4+	$500	2036	* *	5	$500	
Staining/Discoloring, Extent : Moderate, Area Affected : 20%								
Location : Kitchen								
Exposed Struc: Steel	60%	Now	$70,800	LIFE	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 5%								
Location : Under Right Apparatus Floor Drain								
Plaster	30%	Now	$4,400	LIFE	* *	5	$2,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : 2nd Floor								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	* *			
Free Standing Walls								
Concrete Masonry Unit	100%	Now	$3,000	2041	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : Top Of Wall At Rear Yard								
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		
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		
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 : 200 Ampere								
Raceway								
Conduit	75%			2051	* *	1		
Conduit	25%			2031	$8,400	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		
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Overhead Door Operators								
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	* *	1	$2,200	
Generators								
Diesel	100%			2040	* *	1	$2,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outdoor								
Explanation : 60 Kilowatts								
Batteries								
Lead/Acid	100%			2025	$1,600	5	$300	
Fuel Storage								
Main Tank	100%			2059	* *	5	$200	
Lighting								
Interior Lighting								
Fluorescent	95%			2031	$19,300	10	$6,100	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Incandescent	5%			2031	$2,400	2		
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Incandescent Lamps								

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. 151/ LADDER CO. 76
Asset # : 13081

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								
Exterior Lighting								
HID	39%			2031	$11,000	10		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Exterior								
Explanation : Switch Operated								
LED	1%			2039	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Truck Entrance Door								
Explanation : Installed To Illuminate Large Entrance Door								
No Component	60%							

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%			2051	* *	1		
Conversion Equipment								
Furnace	10%			2036	* *	1	$400	
Other Observation, Extent : Light, Area Affected : 10%								
Location : 1st Floor Lounge								
Explanation : Gas Fireplace								
Steam Boiler	90%			2036	* *	1	$6,300	
Distribution								
Steam Piping/Pump	100%			2051	* *			
Terminal Devices								
Convector/Radiator	100%			2036	* *	1	$2,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : All Original Equipment								
Air Conditioning								
Energy Source								
Electricity	100%			2047	* *	1		
Conversion Equipment								
Split Unit	10%			2031	$15,000			
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Serves 1st Floor Office								
Window/Wall Unit	50%	Now	$2,200	2026	$7,300	1		
Malfunctioning, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
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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FIRE DEPARTMENT - 057
ENGINE CO. 151/ LADDER CO. 76
Asset # : 13081

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	90%			2031	$22,500	2	$200	
Wall Unit	10%			2036	* *	2		
Other Observation, Extent : Light, Area Affected : 10%								
Location : Exterior Wall								
Explanation : Kitchen Hood Exhaust								
Plumbing								
H/C Water Piping								
Brass/Copper	10%			2051	* *	1		
Galvanized Steel	90%			2036	* *	1		
Water Heater								
Gas Fired	100%			2026	$4,300	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Cellar								
Explanation : Two 75 Gallon Heaters								
Sanitary Piping								
Cast Iron	100%	Now	$5,100	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 20%								
Location : Water Backs Up Through Floor Drains In Garage								
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		
Other Observation, Extent : Light, Area Affected : 10%								
Location : Cellar								
Explanation : On Boiler Make Up Water Feed								
Fixtures								
Generic	100%							
Obsolete Fixtures, Extent : Light, Area Affected : 100%								
Location : All Bathrooms								

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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

Asset Name : **ENGINE CO. 152**
Address : **256 HYLAN BOULEVARD**
Borough : **STATEN ISLAND**
Program / Asset # : **FIRSECO.152 / 13082**
Area Sq Ft : **6,128**
Date of Survey : **15-Jun-2020**
Areas Surveyed : **Basement, Roof, Floors 1,2**
Block : **2856** **Lot** : **15**

Agency's Number : **N/A**
Yr Built/Renovated : **1930 /**
Project Type : **FIRE DEPARTMENT**
Landmark Status : **NONE**
BIN : **5042846**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$110,400
Interior Architecture	$93,500	
Electrical		$30,900
Total	**$93,500**	**$141,200**
Importance Code A		$110,400
Importance Code B	$93,500	$30,900
Total	**$93,500**	**$141,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$58,000		$100	
Interior Architecture	$44,800		$800	$400
Electrical	$9,600	$400	$400	$500
Mechanical	$26,700	$800	$1,100	$900
Site Pavements	$3,100			
Total	**$142,100**	**$1,300**	**$2,400**	**$1,800**
Importance Code A	$58,800	$600	$700	$600
Importance Code B	$52,800	$700	$1,100	$1,200
Importance Code C	$30,500		$600	
Total	**$142,100**	**$1,300**	**$2,400**	**$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. 152
Asset # : 13082

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	80%			LIFE	* *	5	$33,500	
Paint Peeling, Extent : Moderate, Area Affected : 10%								
Location : South, East And West Elevations								
Painted Surfaces, Extent : Light, Area Affected : 80%								
Location : South, East And West Elevations								
Masonry: Granite	3%			LIFE	* *	5	$900	
Masonry: Limestone	7%	2-4	$8,600	LIFE	* *	5	$1,100	
Spalling, Extent : Moderate, Area Affected : 10%								
Location : Jamb At Overhead Doors								
Masonry: Sandstone	5%			LIFE	* *	5	$1,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Window Lintels								
Explanation : This Is Actually Bluestone								
Wood Overhead Doors	5%			2036	* *	5	$5,200	
Windows								
Aluminum	100%	0-2	$7,600	2039	* *	5	$900	
Caulking Deteriorated, Extent : Moderate, Area Affected : 90%								
Location : Perimeter Sealant At All Windows								
Parapets								
Masonry: Brick	80%			LIFE	* *	5-10	$14,600	
Painted Surfaces, Extent : Light, Area Affected : 100%								
Location : Throughout								
Masonry: Limestone	20%			LIFE	* *	5-10	$6,500	
Roof								
Asphalt Shingle	7%			2034	* *	10	$100	
Modified Bitumen	90%	4+	$5,500	2031	$110,400			
Alligatoring, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Ponding, Extent : Light, Area Affected : 5%								
Location : Hylan Boulevard Elevation								
Seams Open/Split, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Skylight, Metal/Glass	3%			2051	* *	10	$800	
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. 152
Asset # : 13082

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	$50,900	LIFE	* *	5	$10,000	
Cracking/Crumbling, Extent : Severe, Area Affected : 15%								
Location : Main Entrance And At Several Locations On Apparatus Floor								
Water Penetration, Extent : Moderate, Area Affected : 25%								
Location : Basement At All Elevations, Cellar Stairs								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : Floor Is Currently Shored By Steel Columns, Repair Or Replacement Is Required								
Ceramic Tile	5%			2034	* *	5	$500	
Quarry Tile	5%			2036	* *	5	$700	
Terrazzo	5%	Now	$500	LIFE	* *	5	$400	
Broken/Missing Elements, Extent : Light, Area Affected : 2%								
Location : Office Space By Entrance								
Vinyl Tile	35%	0-2	$11,700	2036	* *	3	$1,200	
Loose/Delam Surface, Extent : Moderate, Area Affected : 40%								
Location : Vinyl Base								
Worn/Eroded, Extent : Moderate, Area Affected : 40%								
Location : Throughout								
Interior Walls								
Cast in Place Concrete	25%	Now	$20,100	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Diagonal Cracks At North And West Foundation								
Ceramic Tile	10%			2034	* *	5	$1,200	
Gypsum Board	5%			LIFE	* *	5-10	$1,000	
Marble Panels	5%			LIFE	* *	10	$200	
Plaster	25%	0-2	$2,500	LIFE	* *	5	$900	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Stair And Bathroom								
SGFT/Glazed Masonry	25%			LIFE	* *	10	$1,500	
Wood	5%			LIFE	* *	5	$4,800	

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. 152
Asset # : 13082

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	20%	Now	$800	2044	* *	5	$900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : Kitchen								
Exposed Concrete	45%	Now	$42,500	LIFE	* *	5	$600	
Exposed Reinforcement, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Spalling, Extent : Moderate, Area Affected : 15%								
Location : Basement								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Cellar								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Cellar								
Explanation : Apparatus Floor Is Temporarily Shored With Steel Columns, Replacement Is Required.								
Plaster	35%	Now	$4,500	LIFE	* *	5	$2,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Floor								
Staining/Discoloring, Extent : Moderate, Area Affected : 50%								
Location : 2nd Floor Throughout								
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	$2,400	2036	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Pavement Located Adjacent To Generator								
Parking/Driveway								
Cast in Place Concrete	100%	Now	$700	2036	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%								
Location : Northwest Corner Of Building								

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. 152
Asset # : 13082

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%	Now	$300	2031	$5,200	5		
Enclosure Corroded, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Main Service 200 Ampere								
Switchgear / Switchboard								
Fused Disc Sw	100%			2041	* *	5		
Raceway								
Conduit	95%			2031	$31,800	1		
Conduit	5%			2041	* *	1		
Panelboards								
Molded Case Bkrs	75%			2030	$30,900	5		$100
Molded Case Bkrs	25%			2047	* *	5		
Wiring								
Thermoplastic	100%			2041	* *	1		
Motor Controllers								
Locally Mounted	100%			2029	$15,400	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Motor Controller For Overhead Door								
Ground								
Grounding Devices								
Generic	100%	0-2	$2,000	LIFE	* *	5		$100
Other Observation, Extent : Moderate, Area Affected : 50%								
Location : Basement								
Explanation : Corroded								
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	* *	1		$1,900
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Rating Not Visible								
Generators								
Diesel	100%			2040	* *	1		$2,400
Other Observation, Extent : Light, Area Affected : 100%								
Location : Exterior Side Yard								
Explanation : Rated At 40 Kilovolt-ampere								
Batteries								
Nickel Cadmium	100%			2026	$1,600	5		$1,400
Fuel Storage								
Day Tank	100%			2047	* *	5		$1,100
Other Observation, Extent : Light, Area Affected : 100%								
Location : Side Yard								
Explanation : 50 Gallon Capacity								
Lighting								

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. 152
Asset # : 13082

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	100%			2026	$17,800	10	$5,600	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Exterior Lighting								
HID	75%			2026	$18,500	10		
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	$5,200	2		

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%			2051	* *	1		
Conversion Equipment								
Steam Boiler	100%			2036	* *	1	$6,100	
Distribution								
Steam Piping/Pump	100%			2041	* *			
Terminal Devices								
Convector/Radiator	100%			2029	$32,800	1	$2,000	
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Window/Wall Unit	80%			2026	$10,200	1		
No Component	20%							
Dehumidifier								
Generic	100%			2029	$200			
Ventilation								
Exhaust Fans								
Interior	30%			2031	$6,500	2	$100	
Roof	10%			2036	* *	2		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : Kitchen Exhaust								
Wall Unit	10%	Now	$100	2036	* *	2		
Abandoned in Place, Extent : Severe, Area Affected : 100%								
Location : Basement								
Malfunctioning, Extent : Moderate, Area Affected : 30%								
Location : Basement								
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. 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								
Gas Fired	100%			2026	$3,700	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Cellar								
Explanation : Two 75 Gallon Heaters								
Sanitary Piping								
Cast Iron	100%	4+	$17,900	LIFE	* *	1		
Corroded, Extent : Moderate, Area Affected : 30%								
Location : Basement								
Storm Drain Piping								
Cast Iron	100%	4+	$7,700	LIFE	* *	1		
Corroded, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Sump Pump(s)								
Submersible	100%			2024	$200	4	$200	
Backflow Preventer								
No Component	95%							
Generic	5%			2039	* *	1		
Other Observation, Extent : Light, Area Affected : 10%								
Location : Cellar								
Explanation : Boiler Feed								
Fixtures								
Generic	100%							
Obsolete Fixtures, Extent : Light, Area Affected : 40%								
Location : 2nd Floor								
Fire Suppression								
Chemical System								
No Component	90%							
Generic	10%			2026	$2,800	1-3	$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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$210,800	$171,200
Interior Architecture	$201,000	$61,500
Total	**$411,800**	**$232,700**
Importance Code A	$210,800	$171,200
Importance Code B	$164,100	$61,500
Importance Code C	$37,000	
Total	**$411,800**	**$232,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$103,000	$3,700		
Interior Architecture	$62,000			$1,700
Electrical	$4,300		$200	
Mechanical	$20,800	$1,400	$1,500	$1,600
Site Enclosure	$20,900			
Site Pavements	$400			
Total	**$211,400**	**$5,100**	**$1,600**	**$3,400**
Importance Code A	$104,000	$4,600	$900	$900
Importance Code B	$72,200	$400	$700	$1,500
Importance Code C	$35,200			$900
Total	**$211,400**	**$5,100**	**$1,600**	**$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. 153/ LADDER CO. 77
Asset # : 13083

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	75%	Now	$171,600	LIFE	* *	5	$17,800	
Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Stair Bulkhead								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%								
Location : Throughout								
Rusting Masonry Supt, Extent : Moderate, Area Affected : 30%								
Location : Rusted Relieving Angles At Windows								
Spalling, Extent : Moderate, Area Affected : 15%								
Location : East Facade, West Facade								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Bunk Room West Wall								
Worn/Eroded, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Masonry: Granite	5%	4+	$15,200	LIFE	* *	5	$900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : Chipped Corners At Overhead Doors								
Masonry: Limestone	10%	4+	$27,600	LIFE	* *	5	$1,800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Entrance								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 75%								
Location : Cornice And Window Sill At Entry Facade								
Metal Sect. OHD	10%			2048	* *	5	$7,400	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Main Apparatus Doors								
Windows								
Aluminum	100%	2-4	$14,600	2039	* *	5	$800	
Deteriorated Finish, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Glazing Broken/Cracked, Extent : Moderate, Area Affected : 100%								
Location : Side Yard								
Parapets								
Cast Stone/Terra Cotta	10%	Now	$9,700	LIFE	* *	5	$2,800	
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : Terra Cotta Copings Are Broken								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%								
Location : Deteriorated Mortar Joints At Coping Units, Various Locations								
Masonry: Brick	90%			LIFE	* *	5-10	$22,000	
Roof								
Modified Bitumen	95%	4+	$17,100	2031	$171,200			
Ponding, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Skylight, Metal/Glass	3%			2051	* *	10	$1,200	
Skylight, Metal/Glass	2%	Now	$39,200	2061	* *			
Water Penetration, Extent : Moderate, Area Affected : 50%								
Location : Second Floor - Skylight Deteriorated								

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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. 153/ LADDER CO. 77
Asset # : 13083

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	35%	Now	$10,300	LIFE	* *	5	$10,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : Apparatus Floor								
Water Penetration, Extent : Moderate, Area Affected : 50%								
Location : Basement Towards Front Of Building								
Ceramic Tile	10%			2040	* *	5	$1,300	
Quarry Tile	5%	Now	$4,100	2036	* *	5	$500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Kitchen								
Terrazzo	5%			LIFE	* *	5	$1,000	
Traffic Topping	35%	Now	$12,300	2031	$61,500	5	$2,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor Bunk Areas And Locker Room								
Deteriorated Finish, Extent : Moderate, Area Affected : 30%								
Location : 2nd Floor Bunk Areas And Locker Room								
Vinyl Tile	10%			2031	$12,000	3	$700	
Interior Walls								
Cast in Place Concrete	30%	Now	$37,000	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : North Foundation Wall								
Water Penetration, Extent : Moderate, Area Affected : 2%								
Location : North Foundation Wall								
Ceramic Tile	10%			2040	* *	5	$1,800	
Masonry: Brick	30%	4+	$4,600	LIFE	* *			
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : First Floor								
Plaster	30%	Now	$9,400	LIFE	* *	5	$1,600	
Diagonal Cracks, Extent : Moderate, Area Affected : 25%								
Location : Various Second Floor Locations								
Paint Peeling, Extent : Moderate, Area Affected : 100%								
Location : Hose Tower								
Water Penetration, Extent : Moderate, Area Affected : 30%								
Location : Kitchen, Second Floor Bunk Room								

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FIRE DEPARTMENT - 057
ENGINE CO. 153/ LADDER CO. 77
Asset # : 13083

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	10%	Now	$1,100	2044	* *	5	$700	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Kitchen								
Exposed Struc: Steel	55%	Now	$164,100	LIFE	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 75%								
Location : Steel In Cellar Near North Foundation Wall Is Deteriorating								
Other Observation, Extent : Moderate, Area Affected : 25%								
Location : 1st Floor Framing Near North Foundation Wall								
Explanation : Missing Fireproofing								
Plaster	35%	Now	$19,500	LIFE	* *	5	$2,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : Second Floor Around Skylight Area								
Water Penetration, Extent : Moderate, Area Affected : 30%								
Location : Second Floor Around Skylight Area								
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%	Now	$20,900	2041	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Perimeter Wall In Rear Yard								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
Location : Perimeter Wall In Rear Yard								
Spalling, Extent : Moderate, Area Affected : 15%								
Location : Perimeter Wall In Rear Yard								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2036	* *			
On-Site Walkways								
Cast in Place Concrete	100%	Now	$400	2036	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%								
Location : Glass Blocks In Pavement At Side Yard								
Parking/Driveway								
Cast in Place Concrete	100%			2036	* *			

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		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 400 Ampere Disconnect Switch								
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		
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%			2051	* *	1		
Conduit	10%	0-2	$1,700	2041	* *	1		
Corroded, Extent : Light, Area Affected : 100%								
Location : Excessive Corrosion In Basement								
Panelboards								
Molded Case Bkrs	100%			2039	* *	5	$300	
Wiring								
Thermoplastic	100%			2051	* *	1		
Motor Controllers								
Locally Mounted	100%			2044	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Motorized Door Operators-garage Doors								
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$300	
Lighting								
Interior Lighting								
Fluorescent	75%			2031	$20,600	10	$6,500	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Fluorescent	25%			2026	$6,900	10	$2,200	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Second Floor								
Egress Lighting								
Exit, Service	25%	Now	$300	2041	* *	1		
Not Functioning, Extent : Moderate, Area Affected : 100%								
Location : Throughout Building								
No Component	75%							
Exterior Lighting								
LED	100%			2039	* *			

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%			2041	* *	1		
Corroded, Extent : Light, Area Affected : 10%								
Location : Mild Corrosion Due To Moisture From Ground Water In Basement								
Conversion Equipment								
Steam Boiler	100%			2048	* *	1	$9,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2016 Installation								

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FIRE DEPARTMENT - 057
ENGINE CO. 153/ LADDER CO. 77
Asset # : 13083

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								
Central Plant Steam Piping/Pmp	100%			2057	* *	4	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2016 Installation								
Terminal Devices								
Convector/Radiator	100%			2036	* *	1	$3,100	
Air Conditioning								
Energy Source								
Electricity	100%			2053	* *	1		
Conversion Equipment								
Window/Wall Unit	70%			2026	$13,900	1		
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2-5	$1,700	
No Component	80%							
Exhaust Fans								
Interior	80%			2031	$27,000	2	$200	
Roof	20%	Now	$600	2031	$3,200	2		
Not in Service, Extent : Severe, Area Affected : 100%								
Location : Bathroom Exhaust Fans On Roof								
Plumbing								
H/C Water Piping								
Brass/Copper	90%			2041	* *	1		
Galvanized Steel	10%			2036	* *	1		
Other Observation, Extent : Light, Area Affected : 10%								
Location : Basement								
Explanation : No Dielectric Fittings At Connection.								
Water Heater								
Gas Fired	100%			2029	$5,800	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 75 Gallon Water Heater								
Sanitary Piping								
Cast Iron	100%	2-4	$13,900	LIFE	* *	1		
Corroded, Extent : Severe, Area Affected : 50%								
Location : Pipe Hangers And Piping Are Corroded In Basement								
Storm Drain Piping								
Cast Iron	100%	2-4	$4,000	LIFE	* *	1		
Corroded, Extent : Severe, Area Affected : 25%								
Location : Piping Corrosion Due To Moisture From Ground Water In Basement								

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		
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%			2022	$300	4	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Ground Water Continuously Flows Into Pit. Sump Pumps Are Constantly Running.								
Backflow Preventer								
Generic	100%			2031	$2,400	1	$600	
Other Observation, Extent : Light, Area Affected : 10%								
Location : 1st Floor								
Explanation : Main Water Service								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$98,400	$212,600
Electrical		$8,200
Site Pavements	$76,600	
Total	**$175,000**	**$220,800**
Importance Code A	$98,400	$212,600
Importance Code B		$8,200
Importance Code C	$76,600	
Total	**$175,000**	**$220,800**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$129,900		$6,900	
Interior Architecture	$31,700		$1,300	$900
Electrical	$12,700		$100	
Mechanical	$4,200	$600	$600	$900
Site Enclosure	$6,600			
Total	**$185,100**	**$600**	**$8,900**	**$1,700**
Importance Code A	$130,200	$300	$7,200	$300
Importance Code B	$38,400	$300	$1,700	$800
Importance Code C	$16,500			$600
Total	**$185,100**	**$600**	**$8,900**	**$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. 155/ LADDER CO. 78
Asset # : 13085

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								
Alum/Vinyl Siding	20%	Now	$19,700	2041	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : South Elevation								
Masonry: Brick	55%	Now	$98,400	LIFE	* *	5	$15,300	
Corrosion/Rusting, Extent : Moderate, Area Affected : 5%								
Location : Window Lintels On North Elevation								
Horizontal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Above Second Floor Windows								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : North Elevation								
Paint Peeling, Extent : Moderate, Area Affected : 20%								
Location : South, East And West Elevations								
Painted Surfaces, Extent : Moderate, Area Affected : 80%								
Location : South, East And West Elevations								
Masonry: Granite	2%			LIFE	* *	5	$800	
Masonry: Limestone	10%	Now	$16,200	LIFE	* *	5	$2,100	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%								
Location : Front Facade								
Slate Panels	3%	Now	$23,300	LIFE	* *	5	$600	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
Location : Window Headers								
Spalling, Extent : Moderate, Area Affected : 50%								
Location : Window Headers								
Wood Overhead Doors	10%			2029	$93,900	5	$13,900	
Windows								
Aluminum	85%	Now	$28,200	2039	* *	5	$800	
Glazing Broken/Cracked, Extent : Moderate, Area Affected : 5%								
Location : Roof Hatch Area								
Unit Inoperable, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 25%								
Location : Various 2nd Floor Windows								
Wood	15%			2047	* *	5	$2,800	
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	* *	5-10	$10,600	
Masonry: Brick	75%	Now	$8,600	LIFE	* *	5	$1,400	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Paint Peeling, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Masonry: Limestone	5%			LIFE	* *	5-10	$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. 155/ LADDER CO. 78
Asset # : 13085

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	10%	Now	$300	2040	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Shed Roofs At Rear Of Building								
Modified Bitumen	90%			2026	$118,700	10	$8,200	
Worn/Eroded, Extent : Moderate, Area Affected : 40%								
Location : Throughout Main Roof								
Soffits								
Alum/Vinyl Siding	100%	Now	$14,900	2051	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : Shed Roofs At Rear Of Building								
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	* *	5	$24,000	
Ceramic Tile	5%			2040	* *	5	$500	
Quarry Tile	3%			2044	* *	5	$400	
Vinyl Tile	32%			2036	* *	3	$1,100	
Interior Walls								
Cast in Place Concrete	15%			LIFE	* *	10	$4,700	
Ceramic Tile	10%			2040	* *	5	$1,300	
Gypsum Board	10%			LIFE	* *	5-10	$2,100	
Plaster	40%	Now	$2,200	LIFE	* *	5	$1,500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Roof Scuttle Area								
SGFT/Glazed Masonry	25%			LIFE	* *	10	$1,600	
Ceilings								
AcousTileSusp.Lay-In	15%			2044	* *	5	$1,400	
Exposed Concrete	30%			LIFE	* *	5-10	$3,400	
Exposed Struc: Steel	10%			LIFE	* *	10	$1,800	
Exposed Struc: Wood	15%			LIFE	* *	10	$2,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Shed Areas On First Floor								
Explanation : Underside Of Shed Additions								
Plaster	30%			LIFE	* *	5-10	$4,700	
Site Enclosure								
Fence/Gates								
Chain Link	100%	2-4	$6,600	2041	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 20%								
Location : Gates At North Elevations								
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.
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FIRE DEPARTMENT - 057
ENGINE CO. 155/ LADDER CO. 78
Asset # : 13085

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								
Asphalt	100%	Now	$76,600	2046	* *			
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		
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	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Electrical Section								
Explanation : 200 Ampere								
Raceway								
Conduit	80%			2041	* *	1		
Conduit	20%	4+	$2,700	2041	* *	1		
Covers Missing, Extent : Moderate, Area Affected : 2%								
Location : 2nd Floor								
Panelboards								
Molded Case Bkrs	80%			2039	* *	5	$100	
Molded Case Bkrs	20%			2030	$8,200	5		
Wiring								
Braided Cloth	20%	2-4	$5,900	2056	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Thermoplastic	80%			2041	* *	1		
Motor Controllers								
Locally Mounted	100%			2036	* *	5		
Ground								
Grounding Devices								
Generic	100%	2-4	$4,100	LIFE	* *	5	$100	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Basement Water Service								
Explanation : Ground Conductor Is Frayed And Not Fully Connected To Clamp								
Lighting								

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FIRE DEPARTMENT - 057
ENGINE CO. 155/ LADDER CO. 78
Asset # : 13085

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	80%			2031	$14,200	10	$4,500	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Incandescent	10%			2026	$4,200	2		
Other Observation, Extent : Light, Area Affected : 100%								
Location : TV And Dining Room And Kitchen								
Explanation : Downlights								
LED	10%			2039	* *			
Exterior Lighting								
LED	100%			2031	$28,200			

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%			2051	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2044	* *	1	$3,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2016 Installation Of Boiler.								
Distribution								
Hot Wtr Piping/Pump	100%			2053	* *	4	$300	
Terminal Devices								
Convector/Radiator	100%			2036	* *	1	$2,000	
Air Conditioning								
Energy Source								
Electricity	100%			2047	* *	1		
Conversion Equipment								
Window/Wall Unit	80%	Now	$3,100	2026	$10,200	1		
Unit Inoperable, Extent : Severe, Area Affected : 33%								
Location : 3 Of 9 Units Defective Located In TV Room Behind Kitchen And Bunker Room								
No Component	20%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2-5	$1,100	
No Component	80%							

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FIRE DEPARTMENT - 057
ENGINE CO. 155/ LADDER CO. 78
Asset # : 13085

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%			2031	$4,300	2		
Roof	10%			2039	* *	2		
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Mounted On Vertical Ductwork Next To Roof								
Wall Unit	20%	Now	$100	2031	$400	2		
Other Observation, Extent : Light, Area Affected : 20%								
Location : 2nd Floor								
Explanation : Cover And Exterior Grill Missing								
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2029	$3,700	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 75 Gallon Water Heater								
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%			2022	$100	4	$100	
Fixtures								
Generic	100%							
Leaking Faucets/Valves/Heads, Extent : Moderate, Area Affected : 2%								
Location : Kitchen Sink								
Fire Suppression								
Chemical System								
Wet	10%			2029	$2,800	1-3	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Serves To Protect Kitchen Cooking Range.								
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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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$57,500	
Total	**$57,500**	
Importance Code A	$57,500	
Total	**$57,500**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$20,800			
Interior Architecture	$40,200		$3,700	$400
Electrical	$7,000	$100	$100	$100
Mechanical	$4,300	$600	$800	$600
Site Enclosure	$1,300			
Total	**$73,600**	**$600**	**$4,500**	**$1,100**
Importance Code A	$21,200	$400	$400	$400
Importance Code B	$21,900	$300	$4,100	$500
Importance Code C	$30,500			$300
Total	**$73,600**	**$600**	**$4,500**	**$1,100**



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FIRE DEPARTMENT - 057
ENGINE CO. 156
Asset # : 13086

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								
Alum/Vinyl Siding	5%			2041	* *	10	$400	
Masonry: Brick	75%	Now	$57,500	LIFE	* *	5	$17,900	
Painted Surfaces, Extent : Light, Area Affected : 80%								
Location : North, South And West Elevations								
Spalling, Extent : Moderate, Area Affected : 5%								
Location : South Elevation								
Vertical Cracks, Extent : Moderate, Area Affected : 10%								
Location : West Elevations								
Masonry: Limestone	10%	Now	$13,900	LIFE	* *	5	$1,800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Front Apparatus Entrance								
Wood Overhead Doors	10%			2036	* *	5	$11,900	
Windows								
Aluminum	100%			2047	* *	5	$1,000	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5-10	$5,000	
Masonry: Brick	85%	0-2	$1,800	LIFE	* *	5	$1,500	
Painted Surfaces, Extent : Light, Area Affected : 80%								
Location : North, South And West Elevations								
Spalling, Extent : Moderate, Area Affected : 2%								
Location : South Elevation								
Masonry: Limestone	5%			LIFE	* *	5-10	$1,100	
Roof								
Modified Bitumen	95%			2036	* *	10	$4,400	
Skylight, Metal/Glass	5%			2041	* *	10	$800	
Not Insulated, Extent : Light, Area Affected : 100%								
Location : Skylight Is Not Thermally Broken								
Interior								
Floors								
Cast in Place Concrete	45%	Now	$3,700	LIFE	* *	5	$7,300	
Water Penetration, Extent : Moderate, Area Affected : 25%								
Location : Basement								
Ceramic Tile	5%			2040	* *	5	$400	
Wood	50%			2034	* *	5	$6,900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 100%								
Location : Wooden Stair Treads Are Uneven And Loose								

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. 156
Asset # : 13086

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	20%			LIFE	* *	10	$5,100	
Ceramic Tile	5%			2040	* *	5	$500	
Gypsum Board	35%			LIFE	* *	5-10	$6,100	
Masonry: Brick	25%	Now	$21,200	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Plaster	15%	4+	$300	LIFE	* *	5	$500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : Third Floor								
Ceilings								
AcousTileSusp.Lay-In	5%			2044	* *	5	$400	
Embossed Metal	70%			LIFE	* *	5	$4,700	
Exposed Struc: Steel	25%			LIFE	* *	10	$3,700	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	* *			
Retaining Walls								
Cast in Place Concrete	100%	Now	$1,300	2051	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Rear Yard Walls Have Several Cracks								
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		
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 : Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2041	* *	5	$100	
Raceway								
Conduit	100%	4+	$1,700	2041	* *	1		
Corroded, Extent : Moderate, Area Affected : 5%								
Location : Basement Incoming Conduits And Supports								

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FIRE DEPARTMENT - 057
ENGINE CO. 156
Asset # : 13086

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								
Panelboards								
Molded Case Bkrs	100%	2-4	$2,100	2039	* *	5	$100	
Other Observation, Extent : Moderate, Area Affected : 5%								
Location : Bunk Room								
Explanation : Circuit Breakers Serving Air conditioners Trip								
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	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Incandescent	10%	4+	$1,500	2031	$3,000	2		
Obsolete Fixtures, Extent : Moderate, Area Affected : 10%								
Location : Television Room								
Egress Lighting								
Emergency, Battery	50%			2031	$3,100	10	$500	
Exit, Service	50%			2031	$300	1		
Exterior Lighting								
HID	50%			2031	$8,800	10		
No Component	50%							
Alarm								
Security System								
No Component	95%							
Generic	5%	Now	$700	2041	* *	1	$100	
Cameras Damaged, Extent : Severe, Area Affected : 100%								
Location : Exterior								
Not in Service, Extent : Severe, Area Affected : 100%								
Location : Exterior								
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Cameras Observed								
Fire/Smoke Detection								
No Component	80%							
Generic, Analog	20%	Now	$1,000	2041	* *	1-3	$500	
Devices Missing, Extent : Moderate, Area Affected : 50%								
Location : 1st And 2nd Floors								
Local/Battery Operated Detect, Extent : Light, Area Affected : 100%								
Location : 1st And 2nd Floors								

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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. 156
Asset # : 13086

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								
Electricity	10%			2051	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : 3rd Floor								
Explanation : Front Lounge And Weight Room								
Natural Gas	90%			2031	$500	1		
Conversion Equipment								
Radiant Heater	10%			2036	* *	2	$200	
Steam Boiler	90%			2036	* *	1	$3,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Gas Fired Steam Boiler								
Distribution								
Steam Piping/Pump	100%			2041	* *			
Terminal Devices								
Convector/Radiator	100%			2036	* *	1	$1,400	
Air Conditioning								
Energy Source								
Electricity	100%			2047	* *	1		
Conversion Equipment								
Window/Wall Unit	95%			2026	$8,600	1		
Window/Wall Unit	5%	0-2	$500	2031	$500	1		
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Throughout, Various Mechanical And Electrical Defects								
Ventilation								
Exhaust Fans								
Interior	50%			2031	$7,700	2	$100	
Roof	50%			2031	$3,600	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2026	$2,700	2	$100	
Sanitary Piping								
Cast Iron	100%	Now	$3,200	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : 1st Floor Bathroom								
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	$200	1	$100	
Other Observation, Extent : Light, Area Affected : 20%								
Location : Basement								
Explanation : Boiler Feed								

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FIRE DEPARTMENT - 057

ENGINE CO. 156

Asset # : 13086

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	90%							
Generic	10%			2026	$2,800	1-3	$400	

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **23-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **1080** **Lot** : **2**	**BIN**	: **5025442**

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$62,000			
Interior Architecture	$29,800	$200		$400
Electrical			$5,900	$100
Mechanical	$1,800	$900	$900	$1,000
Total	**$93,600**	**$1,100**	**$6,800**	**$1,500**
Importance Code A	$62,600	$600	$600	$600
Importance Code B	$9,900	$500	$6,200	$900
Importance Code C	$21,100			
Total	**$93,600**	**$1,100**	**$6,800**	**$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. 157/ LADDER CO. 80
Asset # : 13087

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	85%	Now	$31,200	LIFE	* *	5	$19,400	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Masonry: Granite	5%			LIFE	* *	5	$900	
Masonry: Limestone	5%			LIFE	* *	5	$900	
Metal Sect. OHD	5%			2042	* *	5	$3,600	
Windows								
Aluminum	100%	0-2	$8,400	2045	* *	5	$900	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Floor And Captain Office								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5	$700	
Masonry: Brick	90%	Now	$10,100	LIFE	* *	5	$800	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Roof								
Asphalt Shingle	20%			2038	* *	10	$300	
Modified Bitumen	80%	2-4	$10,600	2034	* *			
Blisters, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Interior								
Floors								
Cast in Place Concrete	60%	0-2	$3,100	LIFE	* *	5	$12,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Ceramic Tile	5%			2038	* *	5	$500	
Quarry Tile	5%			2042	* *	5	$700	
Vinyl Tile	30%			2034	* *	3	$1,400	
Worn/Eroded, Extent : Light, Area Affected : 15%								
Location : Throughout 2nd Floor								
Interior Walls								
Gypsum Board	5%			LIFE	* *	5	$400	
Masonry: Brick	35%	Now	$18,900	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Plaster	20%	Now	$2,200	LIFE	* *	5	$800	
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Throughout 2nd Floor And Stair								
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. 157/ LADDER CO. 80
Asset # : 13087

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	30%	0-2	$4,900	2042	* *	5	$1,400	
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : Throughout Second Floor								
Staining/Discoloring, Extent : Moderate, Area Affected : 15%								
Location : Kitchen, Throughout Second Floor								
Exposed Concrete	35%			LIFE	* *	5	$500	
Exposed Struc: Steel	35%			LIFE	* *			
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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%			2039	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2039	* *	5	$200	
Raceway								
Conduit	90%			2039	* *	1		
Conduit	10%			2049	* *	1		
Panelboards								
Fused Disc Sw	5%			2037	* *	5		
Molded Case Bkrs	95%			2045	* *	5	$200	
Wiring								
Thermoplastic	80%			2039	* *	1		
Thermoplastic	20%			2049	* *	1		
Motor Controllers								
Locally Mounted	100%			2034	* *	5		
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. 157/ LADDER CO. 80
Asset # : 13087

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	100%			2034	* *	10	$5,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Egress Lighting								
Emergency, Battery	50%			2029	$4,500	10	$800	
Exit, Service	50%			2029	$400	1		
Exterior Lighting								
HID	100%			2029	$25,400	10		

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%			2055	* *	1		
Conversion Equipment								
Furnace	5%			2029	$700	1	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : First Floor								
Explanation : Two Units								
Steam Boiler	95%			2042	* *	1	$5,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Unit								
Distribution								
Central Plant Steam Piping/Pmp	100%			2049	* *	4	$300	
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$2,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Cast Iron Radiators With One Pipe System								
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Window/Wall Unit	50%			2027	$6,600	1		
No Component	50%							
Ventilation								
Exhaust Fans								
Interior	30%			2034	* *	2	$100	
Roof	60%			2029	$6,300	2	$100	
No Component	10%							
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
ENGINE CO. 157/ LADDER CO. 80
Asset # : 13087

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%			2049	* *	1		
Water Heater								
Gas Fired	100%			2027	$3,800	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Mechanical								
Explanation : Two Units - 74 Gallons / Hour Capacity								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%	Now	$700	LIFE	* *	1		
Other Observation, Extent : Moderate, Area Affected : 50%								
Location : Basement								
Explanation : Backs Up With Heavy Rain								
Sump Pump(s)								
Submersible	100%			2022	$200	4	$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	10%			2027	$2,800	1-3	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Over Range								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$136,900
Total		**$136,900**
Importance Code A		$136,900
Total		**$136,900**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$37,100		$200	
Interior Architecture	$26,100		$700	$1,100
Electrical	$300	$300	$200	$200
Mechanical	$800	$700	$700	$600
Site Enclosure	$700			
Site Pavements	$6,700			
Total	**$71,800**	**$1,000**	**$1,800**	**$1,800**
Importance Code A	$37,400	$300	$500	$300
Importance Code B	$13,100	$700	$1,200	$900
Importance Code C	$21,300			$600
Total	**$71,800**	**$1,000**	**$1,800**	**$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. 158
Asset # : 13088

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								
Alum/Vinyl Siding	5%			2051	* *	10	$300	
Masonry: Brick	80%	4+	$11,100	LIFE	* *	5	$17,300	
Diagonal Cracks, Extent : Moderate, Area Affected : 2%								
Location : West Facade Below 2nd Floor Window Sill								
Masonry: Granite	5%			LIFE	* *	5	$1,600	
Masonry: Limestone	5%	0-2	$2,500	LIFE	* *	5	$800	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Front Facade								
Wood Overhead Doors	5%	Now	$3,600	2029	$36,500	5	$2,700	
Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 2%								
Location : Main Apparatus Door								
Windows								
Aluminum	100%	4+	$3,800	2039	* *	5	$800	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 5%								
Location : Various Windows								
Parapets								
Masonry: Brick	60%			LIFE	* *	5-10	$9,100	
Masonry: Limestone	25%			LIFE	* *	5-10	$6,800	
Metal Panel	15%			2041	* *	5	$1,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : At Parapet								
Explanation : Metal Coping								
Roof								
Asphalt Shingle	15%			2034	* *	10	$200	
Modified Bitumen	83%			2031	$100,400	10	$6,900	
Skylight, Metal/Glass	2%	Now	$1,300	2041	* *			
Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 100%								
Location : Missing Leader And Splash Block At Skylight								
Interior								
Floors								
Cast in Place Concrete	50%	Now	$1,000	LIFE	* *	5	$10,200	
Water Penetration, Extent : Moderate, Area Affected : 1%								
Location : Bottom Of Stairs To Basement								
Ceramic Tile	10%			2040	* *	5	$900	
Vinyl Tile	40%			2036	* *	3	$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. 158
Asset # : 13088

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	20%	Now	$16,000	LIFE	* *			
Spalling, Extent : Moderate, Area Affected : 5%								
Location : Basement At Front Of Building								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Basement At Front Of Building								
Ceramic Tile	10%			2040	* *	5	$1,200	
Gypsum Board	5%			LIFE	* *	5-10	$1,000	
Plaster	30%	Now	$600	LIFE	* *	5	$1,100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : Roof Hatch Area								
Plywood/Hardboard	5%			LIFE	* *	10	$100	
SGFT/Glazed Masonry	30%			LIFE	* *	10	$1,800	
Ceilings								
AcousTileSusp.Lay-In	5%			2029	$3,700	5	$400	
Exposed Concrete	30%	Now	$4,500	LIFE	* *	5	$400	
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Front Of Building In Basement								
Plaster	65%	Now	$1,600	LIFE	* *	5	$3,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 1%								
Location : Roof Hatch Area								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	* *			
Retaining Walls								
Cast in Place Concrete	100%	Now	$700	2051	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Rear Yard								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	$4,500	2036	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : By Curbside Water Valve Access Cover								
On-Site Walkways								
Cast in Place Concrete	100%			2036	* *			
Parking/Driveway								
Cast in Place Concrete	100%	Now	$2,200	2036	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Driveway Apron At Apparatus Entrance								

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		

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
System / Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Raceway								
Conduit	75%			2031	$25,100	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	$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2048	* *	1	$1,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Automatic Transfer Switch Room								
Explanation : An Automatic Transfer Switch Is Installed; However, A Generator Batteries And Fuel Were Never Installed								
Lighting								
Interior Lighting								
Fluorescent	50%			2036	* *	10	$2,800	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Fluorescent	5%			2031	$900	10	$300	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Front Door								
LED	45%			2036	* *			
Egress Lighting								
Exit, LED	100%			2059	* *	1		
Exterior Lighting								
HID	50%			2036	* *	10		
LED	50%			2031	$14,200			

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%			2057	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2048	* *	1	$3,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Hot Water Boiler Installed In 2017.								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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
Heating								
Distribution								
Hot Wtr Piping/Pump	100%			2039	* *	4	$500	
Not Insulated, Extent : Light, Area Affected : 50%								
Location : Basement								
Other Observation, Extent : Light, Area Affected : 10%								
Location : Basement								
Explanation : Dissimilar Metals With No Barrier								
Terminal Devices								
Convector/Radiator	95%			2036	* *	1	$1,900	
Unit Heater - Hot Water	5%			2031	$1,100			
Air Conditioning								
Energy Source								
Electricity	100%			2047	* *	1		
Conversion Equipment								
Window/Wall Unit	80%			2026	$10,200	1		
No Component	20%							
Ventilation								
Exhaust Fans								
Roof	70%			2036	* *	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : Exhaust Fans Installed In 2016.								
Wall Unit	30%			2026	$700	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	90%			2051	* *	1		
Not Insulated, Extent : Light, Area Affected : 50%								
Location : Basement								
Galvanized Steel	10%			2036	* *	1		
Water Heater								
Gas Fired	100%			2030	$3,700	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2017 Installation Of Water Heater.								
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%			2022	$100	4	$100	
Backflow Preventer								
No Component	95%							
Generic	5%			2036	* *	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. 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%							
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : 2017 Installation Of Bathroom Fixtures.								
Fire Suppression								
Chemical System								
Wet	10%			2026	$2,800	1-3	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Protects Kitchen Cooking Range.								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **23-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **3306** **Lot** : **8**	**BIN**	: **5048682**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Interior Architecture	$52,500	
Site Pavements	$45,400	
Total	**$97,900**	
Importance Code B	$97,900	
Total	**$97,900**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$59,400		$200	$1,300
Interior Architecture	$74,000	$300		$400
Electrical	$100		$100	
Mechanical	$6,300	$1,300	$1,100	$1,500
Site Enclosure	$500			
Total	**$140,300**	**$1,600**	**$1,500**	**$3,100**
Importance Code A	$60,000	$600	$900	$1,900
Importance Code B	$70,100	$700	$500	$1,200
Importance Code C	$10,100	$300		
Total	**$140,300**	**$1,600**	**$1,500**	**$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. 159
Asset # : 13089

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	75%	Now	$31,000	LIFE	* *	5	$19,300	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Masonry: Granite	3%			LIFE	* *	5	$600	
Masonry: Limestone	7%			LIFE	* *	5	$1,300	
Metal Sect. OHD	10%			2042	* *	5	$8,000	
Stucco Cement	5%	Now	$4,000	2034	* *	5	$1,600	
Diagonal Cracks, Extent : Moderate, Area Affected : 25%								
Location : Hose Tower								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Hose Tower								
Windows								
Aluminum	100%			2045	* *	5	$2,500	
Parapets								
Masonry: Brick	95%	Now	$7,400	LIFE	* *	5	$2,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Metal Panel	5%			2039	* *	5	$500	
Roof								
Built-Up (BUR)	95%	Now	$13,000	2034	* *			
Air/Water Blisters, Extent : Moderate, Area Affected : 10%								
Location : Corners At Street Side								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Skylight, Metal/Glass	5%			2039	* *	10	$1,600	
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. 159
Asset # : 13089

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	$28,300	LIFE	* *	5	$11,100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout Apparatus Room								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Apparatus								
Explanation : Structurally Insufficient, Temporarily Shored With Steel Columns And Beams								
Quarry Tile	10%			2042	* *	5	$1,500	
Terrazzo	10%			LIFE	* *	5	$800	
Vinyl Tile	30%	Now	$8,300	2029	$27,700	3	$1,100	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Throughout 2nd Floor								
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Throughout 2nd Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : Multiple Locations Throughout The 2nd Floor								
Interior Walls								
Ceramic Tile	4%			2038	* *	5	$600	
Gypsum Board	5%			LIFE	* *	5	$500	
Masonry: Brick	30%			LIFE	* *			
Marble Panels	6%			LIFE	* *			
Plaster	25%	Now	$10,100	LIFE	* *	5	$1,200	
Diagonal Cracks, Extent : Moderate, Area Affected : 10%								
Location : Throughout 2nd Floor								
Paint Peeling, Extent : Light, Area Affected : 40%								
Location : Cellar Stairs And Hose Shaft								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Throughout 2nd Floor								
Other Observation, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor								
Explanation : Several Of The Wood Doors Are Cracked And Worn								
SGFT/Glazed Masonry	30%			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. 159
Asset # : 13089

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	10%	0-2	$900	2034	* *	5	$500	
Staining/Discoloring, Extent : Light, Area Affected : 10%								
Location : Kitchen								
Water Penetration, Extent : Light, Area Affected : 15%								
Location : 2nd Floor Steam Pipe Penetration								
Exposed Concrete	30%	Now	$52,500	LIFE	* *	5	$500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout Basement								
Spalling, Extent : Moderate, Area Affected : 10%								
Location : Throughout Basement								
Other Observation, Extent : Severe, Area Affected : 50%								
Location : Cellar Ceiling/ Apparatus								
Explanation : Structurally Insufficient, Temporarily Shored With Steel Columns And Beams								
Plaster	60%	Now	$25,700	LIFE	* *	5	$3,800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout 2nd Floor								
Paint Peeling, Extent : Moderate, Area Affected : 40%								
Location : Throughout 2nd Floor								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Throughout 2nd Floor								
Site Enclosure								
Fence/Gates								
Chain Link	95%			2049	* *			
Iron Picket	5%			2049	* *			
Free Standing Walls								
Masonry: Brick	100%			2039	* *			
Retaining Walls								
Cast in Place Concrete	100%	Now	$500	2079	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : North Side								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	$45,400	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 50%								
Location : Throughout West Side								
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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. 159
Asset # : 13089

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								
Molded Case Bkrs	100%			2039	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Raceway								
Conduit	100%			2039	* *	1		
Panelboards								
Fused Disc Sw	5%			2037	* *	5		
Molded Case Bkrs	95%			2037	* *	5	$200	
Wiring								
Thermoplastic	100%			2039	* *	1		
Motor Controllers								
Locally Mounted	100%			2034	* *	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
Fluorescent	95%			2029	$17,100	10	$5,400	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Incandescent	5%			2029	$2,100	2		
Egress Lighting								
Emergency, Battery	60%			2029	$5,400	10	$900	
Exit, Service	40%			2029	$300	1		
Exterior Lighting								
HID	100%			2029	$25,100	10		

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%			2055	* *	1		
Conversion Equipment								
Steam Boiler	100%			2046	* *	1	$6,200	
Distribution								
Central Plant Steam Piping/Pmp	10%			2055	* *	4		
Other Observation, Extent : Light, Area Affected : 10%								
Location : Cellar Mechanical Area								
Explanation : Recently Installed With New Boiler								
Central Plant Steam Piping/Pmp	90%			2039	* *	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
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
Heating								
Terminal Devices								
Convector/Radiator	100%			2042	* *	1	$2,000	
Air Conditioning								
Energy Source								
Electricity	100%			2051	* *	1		
Conversion Equipment								
Window/Wall Unit	60%			2027	$7,800	1		
No Component	40%							
Ventilation								
Exhaust Fans								
Interior	100%			2034	* *	2	$200	
Plumbing								
H/C Water Piping								
Brass/Copper	30%			2049	* *	1		
Other Observation, Extent : Light, Area Affected : 10%								
Location : Cellar Mechanical Area								
Explanation : Installed With New Water Heater								
Galvanized Steel	70%			2042	* *	1		
Water Heater								
Gas Fired	100%			2027	$3,800	2	$100	
Other Observation, Extent : Light, Area Affected : 10%								
Location : Cellar Mechanical Area								
Explanation : New 75 Gallon Hot Water Heater								
Sanitary Piping								
Cast Iron	90%			LIFE	* *	1		
Cast Iron	10%	0-2	$4,600	LIFE	* *	1		
Corroded, Extent : Severe, Area Affected : 10%								
Location : Cellar								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$200	4	$200	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	90%							
Generic	10%			2049	* *	1-2	$200	
Chemical System								
Generic	100%			2028	$27,900	1-3	$4,000	

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

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Electrical		$87,200
Total		**$87,200**
Importance Code B		$87,200
Total		**$87,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$25,700		$25,000	
Interior Architecture	$22,200		$1,200	$800
Electrical	$100			$100
Mechanical	$7,900	$800	$1,600	$800
Total	**$56,000**	**$800**	**$27,900**	**$1,700**
Importance Code A	$30,800	$300	$25,400	$300
Importance Code B	$19,900	$500	$2,500	$800
Importance Code C	$5,200			$600
Total	**$56,000**	**$800**	**$27,900**	**$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. 16
Asset # : 13012

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	80%			LIFE	* *	5	$28,900	
Metal Sect. OHD	10%			2044	* *	5	$5,600	
Marble Panels	10%	4+	$8,500	LIFE	* *	5	$1,400	
Other Observation, Extent : Moderate, Area Affected : 25%								
Location : Front Facade								
Explanation : Staining And Discoloring								
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	$4,900	
Interior								
Floors								
Cast in Place Concrete	50%	4+	$5,700	LIFE	* *	5	$11,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Room								
Ceramic Tile	5%			2040	* *	5	$500	
Quarry Tile	10%			2044	* *	5	$1,600	
Vinyl Tile	35%			2039	* *	3	$1,400	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Interior Walls								
Ceramic Tile	10%			2040	* *	5	$1,100	
Concrete Masonry Unit	10%			LIFE	* *	5	$900	
Plaster	40%			LIFE	* *	5-10	$3,800	
SGFT/Glazed Masonry	40%			LIFE	* *	10	$2,300	
Ceilings								
Exposed Concrete	75%			LIFE	* *	5-10	$9,700	
Plaster	25%			LIFE	* *	5-10	$4,400	
Paint Peeling, Extent : Light, Area Affected : 10%								
Location : 2nd Floor Corridor								
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		
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	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Fused Disc Sw	100%			2031	$52,200	5		
Raceway								
Conduit	95%			2031	$31,800	1		
Conduit	5%			2051	* *	1		
Panelboards								
Fused Disc Sw	5%			2030	$2,100	5		
Molded Case Bkrs	85%			2030	$35,000	5	$200	
Molded Case Bkrs	10%			2047	* *	5		
Wiring								
Thermoplastic	95%			2031	$28,100	1		
Thermoplastic	5%			2051	* *	1		
Motor Controllers								
Locally Mounted	100%			2029	$15,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Lighting								
Interior Lighting								
LED	100%			2036	* *			
Egress Lighting								
Emergency, Battery	50%			2036	* *	10	$800	
Exit, LED	50%			2046	* *	1		
Exterior Lighting								
HID	100%			2026	$26,900	10		

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%			2051	* *	1		
Conversion Equipment								
Hot Water Boiler	100%	0-2	$5,100	2036	* *	1	$3,000	
Leak Evident, Extent : Moderate, Area Affected : 100%								
Location : Basement. Leaking Observed Under Boiler Due To Internal Pipiing Fitting Or Crack								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 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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*** 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		
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	$500	
Terminal Devices								
Convector/Radiator	90%			2044	* *	1	$1,900	
Unit Heater - Steam	10%			2031	$2,400	4	$100	
Air Conditioning								
Energy Source								
Electricity	100%			2047	* *	1		
Conversion Equipment								
Interior Pkg Unit - Cooling	20%			2032	* *	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Locker Room								
Explanation : 1 Unit Serving Locker Room And Bunker Room								
Window/Wall Unit	75%			2029	$10,400	1		
Window/Wall Unit	5%	0-2	$400	2026	$700	1		
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Kitchen Area. The Window Wall Unit Not Working Due To Mechanical, Electrical Defects								
Heat Rejection								
Air Cooled Condenser Unit	100%			2036	* *	2	$4,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 1 Unit For The Package Unit At Locker Room								
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	* *	2-5	$600	
No Component	90%							
Exhaust Fans								
Interior	60%			2036	* *	2	$100	
Roof	40%	0-2	$900	2036	* *	2	$100	
Controller Not Working, Extent : Moderate, Area Affected : 100%								
Location : Roof. Female Bathroom Exhaust Fan Continously Working. Unit Cannot Be Controlled								
Malfunctioning, Extent : Moderate, Area Affected : 50%								
Location : Roof. Two Bathroom Exhasust Fans Out Of Service Due To Defective Motor								
Plumbing								
H/C Water Piping								
Brass/Copper	75%			2051	* *	1		
Galvanized Steel	25%			2044	* *	1		
Water Heater								
Gas Fired	100%			2029	$4,100	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units 74 Gallon With Pump								
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. 16
Asset # : 13012

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								
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	$2,800	1-3	$400	
No Component	90%							

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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **22-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2,3**		
Block	: **3153** **Lot** : **38**	**BIN**	: **5046179**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Electrical		$91,300
Total		**$91,300**
Importance Code B		$91,300
Total		**$91,300**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$28,700		$8,300	
Interior Architecture	$37,200	$900		$800
Electrical	$2,100	$2,400	$45,500	$1,300
Mechanical	$1,500	$1,400	$2,100	$1,600
Site Enclosure	$3,500			
Total	**$73,000**	**$4,800**	**$55,900**	**$3,700**
Importance Code A	$31,000	$800	$9,100	$800
Importance Code B	$23,200	$3,100	$46,700	$2,900
Importance Code C	$18,800	$900		
Total	**$73,000**	**$4,800**	**$55,900**	**$3,700**



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FIRE DEPARTMENT - 057
ENGINE CO. 160/ RESCUE 5
Asset # : 13090

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								
Alum/Vinyl Siding	10%			2049	* *	10	$900	
Masonry: Brick	70%			LIFE	* *	5	$20,400	
Masonry: Granite	3%			LIFE	* *	5	$700	
Masonry: Limestone	8%			LIFE	* *	5	$1,700	
Metal Panel	2%			2039	* *	5-10	$4,000	
Metal Sect. OHD	7%			2034	* *	5	$6,400	
Windows								
Aluminum	100%	0-2	$14,100	2045	* *	5	$1,600	
Weather Strip Missing, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	20%	Now	$4,200	LIFE	* *	5	$4,800	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Masonry: Brick	60%			LIFE	* *	5	$1,900	
Metal Rail	20%			2042	* *	5-10	$11,200	
Roof								
Asphalt Shingle	10%			2038	* *	10	$200	
Built-Up (BUR)	50%	2-4	$3,700	2034	* *			
Blisters, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Modified Bitumen	40%			2034	* *	10	$4,000	
Soffits								
Alum/Vinyl Siding	60%			2049	* *	10		
Masonry: Limestone	40%			LIFE	* *	5		
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	* *	5	$11,700	
Ceramic Tile	7%			2032	* *	5	$900	
Quarry Tile	8%			2042	* *	5	$1,600	
Vinyl Tile 9" X 9"	45%	Now	$14,100	2034	* *	3	$2,300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Patching Evident, Extent : Light, Area Affected : 10%								
Location : Throughout								
Uneven Substrate, Extent : Moderate, Area Affected : 5%								
Location : Office								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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%			2038	* *	5	$1,800	
Gypsum Board	25%			LIFE	* *	5	$2,800	
Masonry: Brick	40%	Now	$15,300	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Vertical Cracks, Extent : Moderate, Area Affected : 5%								
Location : Truck Room								
Water Penetration, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Plaster	25%			LIFE	* *	5	$1,400	
Ceilings								
AcousTileSusp.Lay-In	40%	2-4	$900	2042	* *	5	$2,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : 3rd Floor Ceiling, Multiple Locations								
Exposed Struc: Steel	20%			LIFE	* *			
Gypsum Board	10%			LIFE	* *	5	$1,700	
Plaster	30%	Now	$5,600	LIFE	* *	5	$2,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Bunkroom And Throughout								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : 2nd Floor Office, Bunkroom And Throughout								
Worn/Eroded, Extent : Moderate, Area Affected : 20%								
Location : Throughout 2nd Floor								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	* *			
Free Standing Walls								
Masonry: Brick	100%	Now	$3,500	2039	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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. 160/ RESCUE 5
Asset # : 13090

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%	2-4	$1,600	2029	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 400 Ampere Main Disconnect Switches								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	$52,200	5	$200	
Raceway								
Conduit	100%			2029	$33,500	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	95%			2028	$39,100	5	$200	
Wiring								
Thermoplastic	100%			2029	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2042	* *	1	$2,500	
Generators								
Diesel	100%			2038	* *	1	$3,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 83 Kilovolt-ampere								
Batteries								
Lead/Acid	100%			2023	$1,600	5	$300	
Fuel Storage								
Day Tank	100%			2045	* *	5	$1,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 75 Gallons								
Lighting								
Interior Lighting								
Fluorescent	90%			2034	* *	10	$6,700	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Incandescent	10%			2024	$5,500	2		
Egress Lighting								
Emergency, Service	50%			2034	* *	1		
No Component	50%							
Exterior Lighting								
HID	100%			2024	$32,600	10		
Malfunctioning, Extent : Severe, Area Affected : 100%								
Location : Entire Exterior								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2034	* *	1	$8,000	
Distribution								
Central Plant Steam Piping/Pmp	100%			2049	* *	4	$400	
Terminal Devices								
Convector/Radiator	100%			2042	* *	1	$2,600	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Window/Wall Unit	60%			2027	$10,100	1		
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	50%			LIFE	* *	2-5	$2,300	
No Component	50%							
Exhaust Fans								
Roof	50%			2034	* *	2	$100	
Wall Unit	50%			2034	* *	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	20%			2049	* *	1		
Galvanized Steel	80%			2042	* *	1		
Water Heater								
Gas Fired	100%			2027	$4,900	2	$100	
	Other Observation, Extent : Light, Area Affected : 10%							
	Location : Cellar Mechanical Room							
	Explanation : Two 75 Gallon Heaters							
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Backflow Preventer								
Generic	100%			2034	* *	1	$500	
Fire Suppression								
Sprinkler								
No Component	90%							
Generic	10%			2055	* *	1-2	$200	
Chemical System								
Generic	100%			2027	$27,900	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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

Asset Name : **ENGINE CO. 161**
Address : **278 McCLEAN AVENUE**
Borough : **STATEN ISLAND**
Program / Asset # : **FIRSECO.161 / 13091**
Area Sq Ft : **6,000**
Date of Survey : **22-May-2018**
Areas Surveyed : **Basement, Roof, Floors 1,2**
Block : **3108** **Lot** : **25**

Agency's Number : **N/A**
Yr Built/Renovated : **1931 /**
Project Type : **FIRE DEPARTMENT**
Landmark Status : **NONE**
BIN : **5045654**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$151,500	
Interior Architecture	$154,200	
Electrical		$39,100
Total	**$305,800**	**$39,100**
Importance Code A	$151,500	
Importance Code B	$154,200	$39,100
Total	**$305,800**	**$39,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$80,900		$5,000	
Interior Architecture	$65,900	$600	$1,300	$400
Electrical	$100	$100	$24,200	
Mechanical	$1,100	$1,300	$20,800	$1,200
Site Enclosure	$6,000			
Total	**$153,900**	**$2,000**	**$51,400**	**$1,600**
Importance Code A	$81,500	$600	$5,600	$600
Importance Code B	$42,900	$800	$45,800	$1,000
Importance Code C	$29,600	$600		
Total	**$153,900**	**$2,000**	**$51,400**	**$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. 161
Asset # : 13091

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								
Alum/Vinyl Siding	5%			2049	* *	10	$400	
Masonry: Brick	65%	Now	$52,700	LIFE	* *	5	$16,300	
Corrosion/Rusting, Extent : Moderate, Area Affected : 100%								
Location : McClean Avenue Facade Lintels								
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : West Facade								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Front Facade								
Spalling, Extent : Moderate, Area Affected : 5%								
Location : Throughout All Elevations								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Masonry: Granite	5%	0-2	$7,900	LIFE	* *	5	$900	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
Location : Mcclean Avenue Elevation								
Masonry: Limestone	10%	0-2	$14,700	LIFE	* *	5	$1,900	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 75%								
Location : Front Facade								
Stucco Cement	7%	Now	$10,900	2034	* *	5	$2,200	
Diagonal Cracks, Extent : Severe, Area Affected : 25%								
Location : Hose Tower								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Hose Tower								
Wood Overhead Doors	8%			2034	* *	5	$10,100	
Windows								
Aluminum	100%	0-2	$4,200	2037	* *	5	$900	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	15%	Now	$3,800	LIFE	* *	5	$2,200	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
Location : All Parapet Elevations								
Masonry: Brick	85%	Now	$9,800	LIFE	* *	5	$1,600	
Diagonal Cracks, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 10%								
Location : Parapet								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Asphalt Shingle	20%			2038	* *	10	$300	
Built-Up (BUR)	80%	Now	$29,700	2024	$98,900			
Alligatoring, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Blisters, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Grvl/Blst Miss/Disp, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 33%								
Location : Throughout								
Soffits								
Alum/Vinyl Siding	100%			2049	* *	10		
Interior								
Floors								
Cast in Place Concrete	50%	Now	$24,900	LIFE	* *	5	$9,800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Cellar, Multiple Locations								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Apparatus								
Explanation : Floor Is Temporarily Shored To Carry Truck Load, Repair Or Replacement Is Required								
Quarry Tile	10%			2034	* *	5	$1,300	
Terrazzo	5%			LIFE	* *	5	$400	
Vinyl Tile	35%	Now	$8,600	2029	$28,500	3	$1,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout 2nd Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : Throughout 2nd Floor								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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	$16,700	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout Basement								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Throughout Basement								
Ceramic Tile	10%			2038	* *	5	$1,200	
Gypsum Board	5%	Now	$500	LIFE	* *	5	$400	
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : Throughout Basement								
Masonry: Brick	5%			LIFE	* *			
Marble Panels	5%			LIFE	* *			
Plaster	30%	Now	$6,300	LIFE	* *	5	$1,100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Diagonal Cracks, Extent : Moderate, Area Affected : 33%								
Location : Bulkhead/ Hose Tower								
Paint Peeling, Extent : Light, Area Affected : 80%								
Location : Roof Bulkhead/ Hose Tower								
Water Penetration, Extent : Moderate, Area Affected : 25%								
Location : 2nd Floor Hallway Adjacent To The Bathroom, Stairs, Captains Office And Locker Room								
SGFT/Glazed Masonry	25%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	15%			2034	* *	5	$1,300	
Staining/Discoloring, Extent : Moderate, Area Affected : 15%								
Location : Throughout 2nd Floor								
Exposed Concrete	50%	Now	$154,200	LIFE	* *	5	$700	
Spalling, Extent : Moderate, Area Affected : 10%								
Location : Throughout Cellar								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Cellar								
Explanation : Structure Is Temporarily Shored With Steel Columns To Carry Truck Load, Repair Or Replacement Is Required.								
Plaster	35%	Now	$8,800	LIFE	* *	5	$2,000	
Paint Peeling, Extent : Light, Area Affected : 30%								
Location : Hose Tower								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Hallway Adjacent To The Locker Room And Hose Tower								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	$6,000	2049	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : Throughout West Side								
Corrosion/Rusting, Extent : Moderate, Area Affected : 10%								
Location : Throughout West Side								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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%			2029	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Ampere Main Disconnect Switch								
Raceway								
Conduit	100%			2029	$33,500	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	95%			2028	$39,100	5	$200	
Wiring								
Thermoplastic	100%			2029	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
Fluorescent	30%			2029	$5,200	10	$1,700	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : 1st And 2nd Floor								
LED	70%			2037	* *			
Egress Lighting								
Emergency, Battery	50%			2037	* *	10	$700	
Exit, Service	50%			2037	* *	1		
Exterior Lighting								
HID	100%			2024	$24,200	10		
Lightning Protection								
Arresters/Cabling								
Generic	100%			2032	* *	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. 161
Asset # : 13091

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%			2055	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$5,900	
Distribution								
Central Plant Steam Piping/Pmp	100%			2049	* *	4	$300	
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2051	* *	1		
Conversion Equipment								
Split Unit	20%			2034	* *			
Window/Wall Unit	60%			2027	$7,500	1		
No Component	20%							
Ventilation								
Exhaust Fans								
Interior	90%			2024	$19,200	2	$200	
Roof	10%			2034	* *	2		
Plumbing								
H/C Water Piping								
Brass/Copper	20%			2049	* *	1		
Galvanized Steel	80%			2034	* *	1		
Water Heater								
Gas Fired	100%			2027	$3,700	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Cellar								
Explanation : One 75 Gallon Heater								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2023	$200	4	$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	100%			2027	$27,900	1-3	$4,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Over Range								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **13-Jun-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **5271** **Lot** : **31**	**BIN**	: **5067428**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Electrical		$26,800
Mechanical		$49,100
Total		**$75,900**
Importance Code A		$49,100
Importance Code B		$26,800
Total		**$75,900**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$14,700			
Interior Architecture	$48,800	$300	$800	$600
Electrical	$700	$700	$2,500	$600
Mechanical	$1,700	$1,600	$19,300	$1,400
Site Pavements	$3,400			
Total	**$69,300**	**$2,600**	**$22,500**	**$2,600**
Importance Code A	$15,500	$800	$900	$800
Importance Code B	$44,200	$1,800	$21,600	$1,800
Importance Code C	$9,700			
Total	**$69,300**	**$2,600**	**$22,500**	**$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

ENGINE CO. 162/ LADDER CO. 82/ BATTALION 23

Asset # : 13092

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								
Alum/Vinyl Siding	5%	Now	$4,600	2049	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : Throughout Back Room								
Masonry: Brick	75%			LIFE	* *	5	$19,500	
Repairs in Progress, Extent : Light, Area Affected : 90%								
Location : Throughout								
Sidewalk Shed in Use, Extent : Light, Area Affected : 75%								
Location : Throughout								
Masonry: Granite	5%			LIFE	* *	5	$1,000	
Repairs in Progress, Extent : Light, Area Affected : 90%								
Location : Throughout								
Masonry: Limestone	5%			LIFE	* *	5	$1,000	
Repairs in Progress, Extent : Light, Area Affected : 90%								
Location : Throughout								
Metal Sect. OHD	10%			2042	* *	5	$8,100	
Windows								
Aluminum	100%	Now	$5,700	2037	* *	5	$1,300	
Ctrwt/Balnc Not Funct, Extent : Light, Area Affected : 5%								
Location : Offices And Bunk Room								
Parapets								
Masonry: Brick	80%			LIFE	* *	5	$2,300	
Repairs in Progress, Extent : Light, Area Affected : 90%								
Location : Throughout								
Sidewalk Shed Below, Extent : Light, Area Affected : 90%								
Location : Throughout								
Masonry: Limestone	20%			LIFE	* *	5	$700	
Repairs in Progress, Extent : Light, Area Affected : 90%								
Location : Throughout								
Roof								
Asphalt Shingle	15%			2032	* *	10	$300	
Modified Bitumen	85%			2039	* *	10	$10,800	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Repairs In Progress								
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. 162/ LADDER CO. 82/ BATTALION 23

Asset # : 13092

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	$14,000	LIFE	* *	5	$13,800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Room								
Water Penetration, Extent : Severe, Area Affected : 50%								
Location : Basement								
Ceramic Tile	5%			2038	* *	5	$600	
Quarry Tile	5%			2034	* *	5	$900	
Vinyl Tile	40%			2034	* *	3	$2,500	
Interior Walls								
Cast in Place Concrete	10%	4+	$5,900	LIFE	* *			
Spalling, Extent : Moderate, Area Affected : 15%								
Location : Basement Walls								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Basement Stair, Front Basement Wall								
Ceramic Tile	5%			2032	* *	5	$900	
Plaster	52%			LIFE	* *	5	$2,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : Hose Tower And Offices								
Plywood/Hardboard	3%			LIFE	* *			
SGFT/Glazed Masonry	30%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	5%			2034	* *	5	$600	
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : Kitchen								
Exposed Concrete	25%	Now	$21,700	LIFE	* *	5	$500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Basement								
Spalling, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : Basement								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : Apparatus Slab Is Not Designed For Current Loads - Needs To Be Replaced								
Plaster	70%	Now	$6,200	LIFE	* *	5	$5,500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Offices								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			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.
*** 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		
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%	Now	$3,400	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout Side And Rear Of Building								
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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								
Molded Case Bkrs	100%			2039	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Raceway								
Conduit	10%			2039	* *	1		
Conduit	90%			2029	$30,100	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	30%			2037	* *	5	$100	
Molded Case Bkrs	65%			2028	$26,800	5	$100	
Wiring								
Braided Cloth	30%			2028	$8,900	1		
Thermoplastic	20%			2039	* *	1		
Thermoplastic	50%			2029	$14,800	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2046	* *	1	$2,600	
Generators								
Diesel	100%			2042	* *	1	$3,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 60 Kilowatt								
Batteries								
Lead/Acid	100%			2024	$1,600	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. 162/ LADDER CO. 82/ BATTALION 23

Asset # : 13092

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
Stand-by Power								
Fuel Storage								
Day Tank	30%			2051	* *	5	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 109 Gallon								
Main Tank	70%			2032	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 550 Gallon								
Lighting								
Interior Lighting								
Fluorescent	96%			2029	$23,400	10	$7,400	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Incandescent	4%			2029	$2,300	2		
Egress Lighting								
Emergency, Service	50%			2029	$2,200	1		
Exit, Service	50%			2029	$500	1		
Exterior Lighting								
HID	100%			2029	$500	10		

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%			2049	* *	1		
Conversion Equipment								
Hot Water Boiler	10%			2042	* *	1	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Small Boiler In Rear Of Basement Serves Members Room								
Steam Boiler	90%			2027	$49,100	1	$7,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Three Small Boilers Piped Together								
Distribution								
Hot Wtr Piping/Pump	10%			2045	* *	4		
Central Plant Steam Piping/Pmp	90%			2039	* *	4	$600	
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$2,700	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	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. 162/ LADDER CO. 82/ BATTALION 23

Asset # : 13092

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								
Conversion Equipment								
Window/Wall Unit	70%			2024	$12,300	1		
No Component	30%							
Ventilation								
Exhaust Fans								
Wall Unit	100%			2029	$3,000	2	$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2024	$5,100	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 75 Gallon Unit								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$300	4	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units In Same Pit								
Backflow Preventer								
No Component	95%							
Generic	5%			2034	* *	1		
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	100%			2027	$27,900	1-3	$4,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Serves Cooking Area								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **14-Feb-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **377** **Lot** : **18**	**BIN**	: **5010816**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Interior Architecture	$167,700	
Total	**$167,700**	
Importance Code B	$167,700	
Total	**$167,700**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$48,500			$1,200
Interior Architecture	$7,200	$1,400	$2,600	
Electrical	$400	$300	$5,000	$300
Mechanical	$18,900	$1,500	$1,900	$1,700
Site Enclosure	$2,800			
Total	**$77,700**	**$3,100**	**$9,500**	**$3,100**
Importance Code A	$49,300	$800	$900	$2,000
Importance Code B	$20,300	$1,500	$8,600	$1,100
Importance Code C	$8,100	$800		
Total	**$77,700**	**$3,100**	**$9,500**	**$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. 163/ LADDER 83
Asset # : 13093

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	80%	0-2	$12,400	LIFE	* *	5	$19,300	
Efflorescence, Extent : Moderate, Area Affected : 20%								
Location : Front And Side Facades								
Horizontal Cracks, Extent : Light, Area Affected : 5%								
Location : Front Facade, Right Side Facade, Near Front								
Masonry: Granite	10%			LIFE	* *	5	$1,800	
Metal Sect. OHD	10%			2042	* *	5	$7,500	
Windows								
Aluminum	100%			2045	* *	5	$2,300	
Parapets								
Cast Stone/Terra Cotta	5%	0-2	$800	LIFE	* *	5	$900	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Masonry: Brick	85%			LIFE	* *	5	$2,000	
Masonry: Granite	10%			LIFE	* *	5	$300	
Roof								
Modified Bitumen	100%	0-2	$31,500	2037	* *			
Blisters, Extent : Moderate, Area Affected : 20%								
Location : Main Roof								
Ponding, Extent : Moderate, Area Affected : 20%								
Location : Main Roof								
Interior								
Floors								
Cast in Place Concrete	50%	Now	$38,100	LIFE	* *	5	$12,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Floor Near Overhead Doors								
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : Cellar Front								
Other Observation, Extent : Severe, Area Affected : 50%								
Location : Apparatus Room								
Explanation : Structurally Insufficient								
Ceramic Tile	10%			2038	* *	5	$1,100	
Quarry Tile	5%	Now	$900	2034	* *	5	$400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Kitchen								
Loose/Delam Surface, Extent : Moderate, Area Affected : 5%								
Location : Kitchen								
Sheet Vinyl/Rubber	30%			2034	* *	5	$5,100	
Terrazzo	5%			LIFE	* *	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
ENGINE CO. 163/ LADDER 83
Asset # : 13093

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	10%	4+	$5,300	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Basement Stair								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Weight Room, Basement								
Ceramic Tile	10%			2038	* *	5	$1,600	
Concrete Masonry Unit	25%			LIFE	* *	5	$1,600	
Marble Panels	10%			LIFE	* *			
Plaster	20%			LIFE	* *	5	$900	
SGFT/Glazed Masonry	25%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	17%			2042	* *	5	$1,900	
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : Kitchen								
Exposed Concrete	33%	Now	$129,600	LIFE	* *	5	$600	
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : Basement								
Exposed Reinforcement, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Spalling, Extent : Severe, Area Affected : 50%								
Location : Basement								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Basement								
Explanation : Structurally Insufficient								
Plaster	50%			LIFE	* *	5	$3,600	
Site Enclosure								
Fence/Gates								
Chain Link	75%	2-4	$2,800	2049	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Impact Damage, Extent : Light, Area Affected : 5%								
Location : South Side								
Iron Picket	25%			2064	* *			
Retaining Walls								
Cast in Place Concrete	100%			2064	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	100%			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.
*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 163/ LADDER 83
Asset # : 13093

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%			2039	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2039	* *	5	$200	
Raceway								
Conduit	100%			2039	* *	1		
Panelboards								
Fused Disc Sw	5%			2037	* *	5		
Molded Case Bkrs	95%			2037	* *	5	$200	
Wiring								
Thermoplastic	100%			2039	* *	1		
Motor Controllers								
Locally Mounted	100%			2034	* *	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2034	* *	1	$2,600	
Lighting								
Interior Lighting								
Fluorescent	60%			2034	* *	10	$4,600	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement And 1st Floor								
LED	40%			2039	* *			
Egress Lighting								
Exit, Service	50%			2029	$500	1		
No Component	50%							
Exterior Lighting								
HID	100%			2029	$33,900	10		

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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$8,300	
Distribution								
Central Plant Steam Piping/Pmp	100%			2049	* *	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. 163/ LADDER 83
Asset # : 13093

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								
Convector/Radiator	100%			2042	* *	1	$2,700	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Window/Wall Unit	80%			2022	$14,000	1		
No Component	20%							
Ventilation								
Exhaust Fans								
Wall Unit	100%			2029	$3,000	2	$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%	0-2	$3,100	2039	* *	1		
Leak Evident, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Water Heater								
Gas Fired	100%			2027	$5,100	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 75 Gallon Unit								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$300	4	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 3 Pumps								
Backflow Preventer								
No Component	95%							
Generic	5%			2034	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Boiler Only								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	100%			2027	$27,900	1-3	$4,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Serves Cooking Area								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **07-Feb-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Floors 1,2**		
Block	: **6828** **Lot** : **65**	**BIN**	: **5083491**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Electrical		$14,400
Total		**$14,400**
Importance Code B		$14,400
Total		**$14,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$6,800		$5,800	$1,100
Interior Architecture	$69,900	$200		$300
Electrical	$400	$400	$2,100	$400
Mechanical	$1,300	$1,100	$9,400	$1,200
Site Enclosure	$1,400			
Site Pavements	$1,800			
Total	**$81,500**	**$1,700**	**$17,300**	**$3,000**
Importance Code A	$7,300	$500	$6,300	$1,600
Importance Code B	$49,600	$1,200	$10,900	$1,400
Importance Code C	$24,600			
Total	**$81,500**	**$1,700**	**$17,300**	**$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. 164/ LADDER CO. 84
Asset # : 13094

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%			LIFE	* *	5	$16,200	
Masonry: Granite	5%			LIFE	* *	5	$900	
Masonry: Limestone	10%			LIFE	* *	5	$1,700	
Wood	5%			2042	* *	5	$5,800	
Wood Overhead Doors	10%			2034	* *	5	$11,500	
Windows								
Aluminum	100%			2045	* *	5	$2,100	
Roof								
Asphalt Shingle	100%	Now	$3,900	2038	* *			
Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Patching Evident, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 2%								
Location : Over Office								
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Soffits								
Wood	100%			2034	* *	5		
Interior								
Floors								
Cast in Place Concrete	60%	Now	$26,500	LIFE	* *	5	$13,100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : 1st Floor								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : Apparatus Slab Is Original And Does Not Carry Current Loads								
Ceramic Tile	5%			2038	* *	5	$500	
Quarry Tile	5%			2042	* *	5	$700	
Terrazzo	5%			LIFE	* *	5	$400	
Vinyl Tile	25%			2034	* *	3	$1,200	
Interior Walls								
Cast in Place Concrete	25%	Now	$11,500	LIFE	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Gypsum Board	5%			LIFE	* *	5	$400	
Plaster	35%			LIFE	* *	5	$1,400	
SGFT/Glazed Masonry	35%	2-4	$9,900	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : Throughout								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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	15%			2042	* *	5	$1,500	
Exposed Concrete	30%	Now	$20,500	LIFE	* *	5	$500	
Cracking/Crumbling, Extent : Severe, Area Affected : 40%								
Location : Throughout								
Exposed Reinforcement, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Plaster	55%			LIFE	* *	5	$3,400	
Site Enclosure								
Fence/Gates								
Chain Link	50%	Now	$1,400	2039	* *			
Impact Damage, Extent : Moderate, Area Affected : 10%								
Location : Rear Gate								
Wood	50%			2030	$19,900			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rear Yard								
Explanation : PVC Fence								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%	Now	$1,800	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Side Yard								
Parking/Driveway								
Asphalt	100%			2038	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Fdny Parking Lot								
Explanation : Located Across Street From Firehouse								

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%			2029	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Amperes Main Disconnect Switch								
Raceway								
Conduit	95%			2029	$31,800	1		
Conduit	5%			2055	* *	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

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								
Panelboards								
Fused Disc Sw	4%			2028	$1,600	5		
Fused Disc Sw	1%			2051	* *	5		
Molded Case Bkrs	35%			2028	$14,400	5	$100	
Molded Case Bkrs	60%			2051	* *	5	$100	
Wiring								
Thermoplastic	40%			2029	$11,800	1		
Thermoplastic	60%			2055	* *	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2046	* *	1	$1,700	
Generators								
Diesel	100%			2042	* *	1	$2,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room Outside								
Explanation : One 60 Kilowatts								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$200	
Fuel Storage								
Day Tank	100%			2051	* *	5	$1,000	
Lighting								
Interior Lighting								
LED	100%			2037	* *			
Exterior Lighting								
LED	100%			2037	* *			

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%			2055	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$5,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Natural Gas Fired Steam Boiler								
Distribution								
Central Plant Steam Piping/Pmp	100%			2049	* *	4	$300	

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. 164/ LADDER CO. 84
Asset # : 13094

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								
Convector/Radiator	100%			2034	* *	1	$1,800	
Air Conditioning								
Energy Source								
Electricity	100%			2051	* *	1		
Conversion Equipment								
Window/Wall Unit	30%			2027	$3,400	1		
Window/Wall Unit	70%			2024	$8,000	1		
Ventilation								
Exhaust Fans								
Interior	100%			2037	* *	2	$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2027	$3,400	2	$100	
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$200	4	$200	
Backflow Preventer								
Generic	100%			2034	* *	1	$300	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2027	$27,900	1-3	$3,700	

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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.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

Asset Name : **ENGINE CO. 165/ LADDER CO. 85**
Address : **3067 RICHMOND ROAD**
Borough : **STATEN ISLAND**
Program / Asset # : **FIRSECO.165 / 13095**
Area Sq Ft : **6,493**
Date of Survey : **13-Jun-2018**
Areas Surveyed : **Basement, Roof, Floors 1,2**
Block : **949** **Lot** : **1**

Agency's Number : **N/A**
Yr Built/Renovated : **1959 /**
Project Type : **FIRE DEPARTMENT**
Landmark Status : **NONE**
BIN : **5023532**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$163,600	$107,600
Electrical		$64,500
Total	**$163,600**	**$172,100**
Importance Code A	$163,600	$107,600
Importance Code B		$64,500
Total	**$163,600**	**$172,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$31,600	$1,800	$10,400	
Interior Architecture	$26,900		$1,100	
Electrical			$200	
Mechanical	$26,100	$500	$800	$500
Site Pavements	$6,200			
Total	**$90,800**	**$2,300**	**$12,500**	**$500**
Importance Code A	$31,900	$2,100	$10,700	$300
Importance Code B	$42,600	$200	$1,800	$200
Importance Code C	$16,300			
Total	**$90,800**	**$2,300**	**$12,500**	**$500**



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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. 165/ LADDER CO. 85
Asset # : 13095

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								
Alum/Vinyl Siding	5%			2049	* *	10	$300	
Masonry: Brick	65%	Now	$163,600	LIFE	* *	5	$12,700	
Cracking/Crumbling, Extent : Severe, Area Affected : 2%								
Location : Overhead Door Jambs								
Expansion Joint Failure, Extent : Moderate, Area Affected : 100%								
Location : All Relieving Angles								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Repointing Failure, Extent : Moderate, Area Affected : 20%								
Location : Upper Parapet Wall								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Stair Tower								
Weepholes Not Funct, Extent : Severe, Area Affected : 50%								
Location : At Relieving Angle - Parking Lot								
Other Observation, Extent : Severe, Area Affected : 50%								
Location : At Relieving Angle - Parking Lot								
Explanation : Missing Masonry Weeps								
Metal Panel	20%			2039	* *	5-10	$26,900	
Deformed/Dented, Extent : Light, Area Affected : 5%								
Location : Front Facade								
Insul Deter/Miss, Extent : Light, Area Affected : 5%								
Location : Addition For Hazmat Vehicle								
Water Penetration, Extent : Moderate, Area Affected : 25%								
Location : East Side Truck Bay								
Metal Sect. OHD	10%			2034	* *	5	$6,100	
Windows								
Aluminum	100%	Now	$10,000	2037	* *	5	$1,100	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5	$1,400	
Masonry: Brick	90%			LIFE	* *	5	$1,600	
Roof								
Asphalt Shingle	10%			2038	* *	10	$200	
Modified Bitumen	70%	0-2	$21,500	2029	$107,600			
Blisters, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Ponding, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Seams Open/Split, Extent : Severe, Area Affected : 15%								
Location : Throughout								
Roll Roofing	20%			2028	$9,300	5	$3,500	
Soffits								
Metal Panel	100%			2049	* *	5-10		
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 165/ LADDER CO. 85
Asset # : 13095

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	40%	0-2	$1,000	LIFE	* *	5	$9,500	
Spalling, Extent : Light, Area Affected : 10%								
Location : Apparatus Floor								
Ceramic Tile	20%	0-2	$4,500	2038	* *	5	$1,100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Kitchen								
Sheet Vinyl/Rubber	40%			2037	* *	5	$6,500	
Interior Walls								
Cast in Place Concrete	5%	Now	$5,000	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Cellar Foundation Wall								
Ceramic Tile	20%	Now	$4,400	2042	* *	5	$1,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Kitchen								
Concrete Masonry Unit	5%			LIFE	* *	5	$300	
Gypsum Board	10%	Now	$300	LIFE	* *	5	$900	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Explanation : Mold Growing								
Plaster	30%	Now	$3,800	LIFE	* *	5	$1,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Stair Tower								
Water Penetration, Extent : Severe, Area Affected : 25%								
Location : Throughout The East Wall And Stair Tower								
SGFT/Glazed Masonry	30%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	20%			2034	* *	5	$2,200	
Exposed Concrete	10%			LIFE	* *	5	$200	
Paint Peeling, Extent : Moderate, Area Affected : 2%								
Location : Apparatus Floor								
Gypsum Board	10%			LIFE	* *	5	$1,400	
Plaster	60%	Now	$4,600	LIFE	* *	5	$4,100	
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Throughout 2nd Floor And Stair Tower								
Site Enclosure								
Fence/Gates								
Chain Link	75%			2049	* *			
Wood	25%			2030				
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Actually Vinyl Picket Fence								
Free Standing Walls								
Cast in Place Concrete	100%			2064	* *			

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FIRE DEPARTMENT - 057
ENGINE CO. 165/ LADDER CO. 85
Asset # : 13095

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 Enclosure								
Retaining Walls								
Concrete Masonry Unit	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	$3,500	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Throughout								
On-Site Walkways								
Cast in Place Concrete	70%			2042	* *			
Pavers/Stone	30%			2038	* *			
Parking/Driveway								
Cast in Place Concrete	100%	4+	$2,700	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 15%								
Location : Throughout								

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%			2029	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement - Electric Closet								
Explanation : One 200 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	$52,200	5	$200	
Raceway								
Conduit	90%			2029	$30,100	1		
Conduit	10%			2055	* *	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	30%			2028	$12,300	5	$100	
Molded Case Bkrs	65%			2051	* *	5	$100	
Wiring								
Thermoplastic	50%			2029	$14,800	1		
Thermoplastic	50%			2055	* *	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
LED	100%			2039	* *			

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FIRE DEPARTMENT - 057
ENGINE CO. 165/ LADDER CO. 85
Asset # : 13095

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								
Exterior Lighting								
HID	90%			2029	$23,600	10		
Incandescent	10%			2029	$2,200	2		
Lightning Protection								
Arresters/Cabling								
Generic	100%			2044	* *	5	$200	

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%			2049	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2042	* *	1	$3,200	
Distribution								
Hot Wtr Piping/Pump	50%			2037	* *	4	$200	
Hot Wtr Piping/Pump	50%	0-2	$5,100	2054	* *	4	$200	
Corroded, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Leak Evident, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Terminal Devices								
Convector/Radiator	70%			2034	* *	1	$1,500	
Unit Heater - Steam	10%			2034	* *	4	$100	
Unit Heater - Steam	20%	0-2	$4,600	2039	* *	4	$100	
Corroded, Extent : Severe, Area Affected : 70%								
Location : Apparatus Area								
Leak Evident, Extent : Severe, Area Affected : 70%								
Location : Apparatus Area								
Air Conditioning								
Energy Source								
Electricity	100%			2051	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	30%			2034	* *	2	$100	
Window/Wall Unit	20%			2027	$2,700	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	* *	2-5	$400	
Other Observation, Extent : Light, Area Affected : 10%								
Location : First Floor Toilet Room								
Explanation : Toilet Exhaust Ductwork And Grilles								
No Component	90%							

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FIRE DEPARTMENT - 057
ENGINE CO. 165/ LADDER CO. 85
Asset # : 13095

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	90%			2034	* *	2	$200	
Wall Unit	10%			2034	* *	2		
Other Observation, Extent : Light, Area Affected : 10%								
Location : Exterior Wall								
Explanation : Wall Mounted Hood Exhaust Fan								
Plumbing								
H/C Water Piping								
Brass/Copper	10%			2055	* *	1		
Galvanized Steel	90%			2042	* *	1		
Water Heater								
Gas Fired	100%			2028	$4,000	2	$100	
Other Observation, Extent : Light, Area Affected : 10%								
Location : Cellar								
Explanation : One 75 Gallon Water Heater								
Sanitary Piping								
Cast Iron	60%			LIFE	* *	1		
Cast Iron	10%			LIFE	* *	1		
Cast Iron	30%	0-2	$14,300	LIFE	* *	1		
Broken, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Corroded, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Leak Evident, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Storm Drain Piping								
Cast Iron	90%			LIFE	* *	1		
Cast Iron	10%	0-2	$1,400	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 10%								
Location : Apparatus Floor Drain								
Sump Pump(s)								
Submersible	100%	Now	$200	2024	$200	4	$100	
Unit Inoperable, Extent : Severe, Area Affected : 30%								
Location : Cellar								
Fixtures								
Generic	100%							

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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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **14-Feb-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **1612** **Lot** : **5**	**BIN**	: **5031692**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$179,600	$35,000
Electrical		$35,000
Total	**$179,600**	**$70,000**
Importance Code A	$179,600	$35,000
Importance Code B		$35,000
Total	**$179,600**	**$70,000**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$17,600			
Interior Architecture	$28,800	$1,400		$7,300
Electrical		$100	$29,400	
Mechanical	$18,900	$900	$1,300	$1,000
Site Enclosure	$4,600			
Site Pavements	$13,400			
Total	**$83,400**	**$2,400**	**$30,700**	**$8,300**
Importance Code A	$18,000	$300	$300	$300
Importance Code B	$40,600	$1,400	$30,300	$8,000
Importance Code C	$24,800	$700		
Total	**$83,400**	**$2,400**	**$30,700**	**$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.
*** 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		
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%	0-2	$54,600	LIFE	* *	5	$17,000	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 15%								
Location : Throughout								
Vertical Cracks, Extent : Moderate, Area Affected : 3%								
Location : Rear Right Side At 2nd Floor, Rear Facade (1st Floor To Roof) And Front Facade Near House Watch Office								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Front Right Side Of Dormitory And TV Room								
Wood	10%	Now	$52,800	2042	* *	5	$4,700	
Dry Rot/Decay, Extent : Moderate, Area Affected : 15%								
Location : South Side Storage								
Paint Peeling, Extent : Moderate, Area Affected : 75%								
Location : South Side Storage								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : South Side Storage								
Windows								
Aluminum	100%	Now	$37,200	2037	* *	5	$1,000	
Air Infiltration, Extent : Severe, Area Affected : 75%								
Location : House Watch Office And Throughout								
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	15%	Now	$4,600	LIFE	* *	5	$2,600	
Caulking Deteriorated, Extent : Moderate, Area Affected : 60%								
Location : Coping At Main Roof								
Masonry: Brick	85%	Now	$5,900	LIFE	* *	5	$1,900	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Throughout								

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FIRE DEPARTMENT - 057
ENGINE CO. 166/ LADDER CO. 86
Asset # : 13096

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								
Roll Roofing	95%	Now	$35,000	2031	$35,000	5	$6,600	1
Blisters, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Seams Open/Split, Extent : Moderate, Area Affected : 8%								
Location : Throughout								
Vegetation Growth, Extent : Light, Area Affected : 2%								
Location : Around Roof Drain								
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : Above Dormitory And Along Flashing								
Single Ply Membrane	5%	Now	$7,100	2039	* *			
Drains Clogged, Extent : Moderate, Area Affected : 100%								
Location : Above Stair								
Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 100%								
Location : Above Stair								
Ponding, Extent : Moderate, Area Affected : 100%								
Location : Above Stair								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Above Stair								
Other Observation, Extent : Severe, Area Affected : 10%								
Location : Above Stair								
Explanation : Roofing Covers Drain								
Interior								
Floors								
Carpet	5%			2025	$6,700	3	$1,000	
Cast in Place Concrete	45%	Now	$2,500	LIFE	* *	5	$9,700	
Water Penetration, Extent : Severe, Area Affected : 15%								
Location : Ground Water At Cellar								
Ceramic Tile	15%			2038	* *	5	$1,500	
Quarry Tile	5%			2042	* *	5	$700	
Vinyl Tile	5%	Now	$200	2034	* *	3	$200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : 1st Floor Office								
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Vinyl Tile 9" X 9"	20%	Now	$2,300	2034	* *	3	$700	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Throughout 2nd Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Throughout 2nd Floor								
Wood	5%			2057	* *	5	$900	

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FIRE DEPARTMENT - 057
ENGINE CO. 166/ LADDER CO. 86
Asset # : 13096

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%			2038	* *	5	$1,300	
Concrete Masonry Unit	5%			LIFE	* *	5	$300	
Gypsum Board	10%			LIFE	* *	5	$800	
Plaster	30%	Now	$6,800	LIFE	* *	5	$1,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Stair								
Deteriorated Finish, Extent : Moderate, Area Affected : 20%								
Location : Stair								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Staircase								
SGFT/Glazed Masonry	45%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	30%	Now	$7,700	2042	* *	5	$1,500	
Broken/Missing Elements, Extent : Severe, Area Affected : 20%								
Location : Basement, Locker Room, Gymnasium, Kitchen								
Staining/Discoloring, Extent : Light, Area Affected : 20%								
Location : Basement, Locker Room, Gymnasium, Kitchen								
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : Basement, Locker Room, Gymnasium								
Gypsum Board	8%			LIFE	* *	5	$1,000	
Plaster	60%	Now	$8,300	LIFE	* *	5	$3,700	
Paint Peeling, Extent : Moderate, Area Affected : 20%								
Location : Cellar And 2nd Floor Bathroom								
Water Penetration, Extent : Severe, Area Affected : 35%								
Location : Dormitory								
Wood	2%			LIFE	* *	5	$1,700	
Site Enclosure								
Fence/Gates								
Chain Link	75%			2049	* *			
Wood	25%	Now	$4,600	2027	$9,200			
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Dry Rot/Decay, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Retaining Walls								
Cast in Place Concrete	100%			2064	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Asphalt	100%	Now	$900	2038	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Throughout								

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FIRE DEPARTMENT - 057
ENGINE CO. 166/ LADDER CO. 86
Asset # : 13096

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								
Asphalt	100%	Now	$12,500	2038	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Other Observation, Extent : Severe, Area Affected : 2%								
Location : North Side Driveway								
Explanation : Areaway Grating Not Adequate For Traffic								

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%			2039	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Amperes								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2039	* *	5	$200	
Raceway								
Conduit	90%			2029	$30,100	1		
Conduit	10%			2039	* *	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	85%			2028	$35,000	5	$100	
Molded Case Bkrs	10%			2037	* *	5		
Wiring								
Braided Cloth	20%			2028	$5,900	1		
Thermoplastic	70%			2029	$20,700	1		
Thermoplastic	10%			2039	* *	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
Fluorescent	30%			2034	* *	10	$1,800	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Incandescent	2%			2024	$900	2		
LED	68%			2037	* *			
Exterior Lighting								
HID	100%			2024	$26,500	10		

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FIRE DEPARTMENT - 057
ENGINE CO. 166/ LADDER CO. 86
Asset # : 13096

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%			2049	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2042	* *	1	$3,300	
Distribution								
Hot Wtr Piping/Pump	100%			2045	* *	4	$300	
Terminal Devices								
Convector/Radiator	100%	Now	$7,000	2034	* *	1	$1,900	
Other Observation, Extent : Moderate, Area Affected : 40%								
Location : 2nd Floor								
Explanation : Broken Convector Covers								
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Window/Wall Unit	80%			2022	$11,000	1		
No Component	20%							
Ventilation								
Exhaust Fans								
Roof	100%			2029	$10,900	2	$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
No Water Meter, Extent : Light, Area Affected : 100%								
Location : Basement								
Water Heater								
Gas Fired	100%			2027	$4,000	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 75 Gallon Unit								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$200	4	$200	
Backflow Preventer								
No Component	95%							
Generic	5%			2034	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Boiler Only								
Fixtures								
Generic	100%							
Fire Suppression								

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FIRE DEPARTMENT - 057
ENGINE CO. 166/ LADDER CO. 86
Asset # : 13096

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%			2027	$27,900	1-3	$4,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Serves Cooking Area								

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **07-Feb-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **5642** **Lot** : **6**	**BIN**	: **5075428**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$104,100	
Electrical		$83,000
Total	**$104,100**	**$83,000**
Importance Code A	$104,100	
Importance Code B		$83,000
Total	**$104,100**	**$83,000**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$21,900		$1,700	
Interior Architecture	$19,400	$600	$2,800	
Electrical	$3,300	$700	$39,300	$600
Mechanical	$8,800	$1,000	$1,900	$1,200
Site Enclosure	$6,100			
Site Pavements	$4,000			
Total	**$63,400**	**$2,300**	**$45,700**	**$1,800**
Importance Code A	$22,300	$400	$2,300	$400
Importance Code B	$19,700	$1,900	$43,500	$1,400
Importance Code C	$21,400			
Total	**$63,400**	**$2,300**	**$45,700**	**$1,800**



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FIRE DEPARTMENT - 057
ENGINE CO. 167/ LADDER CO. 87
Asset # : 13097

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%	0-2	$41,700	LIFE	* *	5	$12,900	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 10%								
Location : All Elevations And Chimney								
Rusting Masonry Supt, Extent : Moderate, Area Affected : 50%								
Location : All Elevations								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : At Building Perimeter Base Of Masonry Wall								
Explanation : Deteriorated Pavement Sealant								
Metal Panel	5%			2039	* *	5-10	$6,400	
Pre-Cast Concrete	15%	0-2	$4,900	LIFE	* *	5	$9,000	
Open Joints, Extent : Severe, Area Affected : 75%								
Location : Throughout								
Wood Overhead Doors	10%	Now	$62,400	2049	* *	5	$4,600	
Paint Peeling, Extent : Light, Area Affected : 25%								
Location : Throughout								
Split/Cracked, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Unit Inoperable, Extent : Moderate, Area Affected : 25%								
Location : Front Facade								
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Windows								
Aluminum	100%	Now	$11,000	2054	* *	5	$1,200	
Bent/Warped Elements, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor								
Broken/Missing Elements, Extent : Moderate, Area Affected : 100%								
Location : Rusted Insect Screens Throughout								
Unit Inoperable, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor								
Parapets								
Masonry: Brick	40%			LIFE	* *	5	$900	
Pre-Cast Concrete	60%	0-2	$2,500	LIFE	* *	5	$8,400	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%								
Location : All Coping Joints Are Deteriorated								
Roof								
Modified Bitumen	100%	Now	$3,400	2034	* *			
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 2%								
Location : Over Stair								
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 167/ LADDER CO. 87
Asset # : 13097

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	60%	0-2	$4,200	LIFE	* *	5	$16,600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Throughout The Apparatus Floor								
Ceramic Tile	10%			2038	* *	5	$1,300	
Sheet Vinyl/Rubber	30%			2034	* *	5	$5,700	
Interior Walls								
Cast in Place Concrete	20%	Now	$12,400	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Pipe And Steel Penetrations In Basement								
Concrete Masonry Unit	25%	4+	$2,200	LIFE	* *	5	$1,800	
Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Stair								
Gypsum Board	10%			LIFE	* *	5	$1,100	
SGFT/Glazed Masonry	40%			LIFE	* *			
Wood	5%			LIFE	* *	5	$3,700	
Ceilings								
AcousTileSusp.Lay-In	10%			2042	* *	5	$1,300	
Exposed 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	$6,100	2049	* *			
Corrosion/Rusting, Extent : Light, Area Affected : 10%								
Location : Throughout								
Impact Damage, Extent : Moderate, Area Affected : 10%								
Location : Parking Lot Gate, Low Fence At Ramp								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	$3,200	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
On-Site Walkways								
Cast in Place Concrete	84%	Now	$800	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Side Entrance								
Cast in Place Concrete	16%			2042	* *			
Parking/Driveway								
Asphalt	100%			2038	* *			

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								

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FIRE DEPARTMENT - 057
ENGINE CO. 167/ LADDER CO. 87
Asset # : 13097

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								
Molded Case Bkrs	100%			2029	$5,200	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 200 Ampere Main Disconnect Switches								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	$52,200	5	$200	
Raceway								
Conduit	95%			2029	$31,800	1		
Conduit	5%			2055	* *	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	20%			2051	* *	5		
Molded Case Bkrs	75%			2028	$30,900	5	$200	
Wiring								
Thermoplastic	95%			2029	$28,100	1		
Thermoplastic	5%			2055	* *	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2034	* *	1	$2,600	
Generators								
Diesel	100%			2032	* *	1	$3,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room Outside								
Explanation : One 80 Kilovolt-ampere								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$300	
Fuel Storage								
Day Tank	100%			2037	* *	5	$1,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room Outside								
Explanation : One 60 Gallon								
Lighting								
Interior Lighting								
Fluorescent	60%			2034	* *	10	$4,600	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement, 1st Floor, And Gymnasium 2nd Floor								
LED	40%			2037	* *			
Egress Lighting								
Emergency, Service	60%			2037	* *	1		
Exit, LED	40%			2064	* *	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 167/ LADDER CO. 87
Asset # : 13097

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								
Exterior Lighting								
HID	100%			2024	$33,800	10		
Lightning Protection								
Arresters/Cabling								
Generic	100%			2032	* *	5	$200	

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%			2049	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2034	* *	1	$4,200	
Distribution								
Hot Wtr Piping/Pump	100%			2045	* *	4	$400	
Terminal Devices								
Convector/Radiator	90%			2042	* *	1	$2,400	
Fan Coil Unit/Heat	10%	0-2	$2,500	2029	$12,600	1	$200	
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor Ceiling								
Air Conditioning								
Energy Source								
Electricity	100%			2051	* *	1		
Conversion Equipment								
Split Unit	20%			2039	* *			
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Roof								
Window/Wall Unit	40%			2027	$7,000	1		
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	60%			LIFE	* *	2-5	$2,800	
No Component	40%							
Exhaust Fans								
Interior	5%	0-2	$1,500	2039	* *	2		
Unit Inoperable, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Area								
Interior	5%			2034	* *	2		
Roof	90%	0-2	$3,800	2034	* *	2	$200	
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Roof								
Plumbing								

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FIRE DEPARTMENT - 057
ENGINE CO. 167/ LADDER CO. 87
Asset # : 13097

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%			2049	* *	1		
Galvanized Steel	80%			2034	* *	1		
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : Cellar								
Explanation : No Dielectric Fitting Between Copper And Steel Pipe								
Water Heater								
Gas Fired	100%			2027	$5,100	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Cellar								
Explanation : Two 75 Gallon Water Heaters								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%			2034	* *	4	$300	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	100%			2027	$27,900	1-3	$4,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Over Range								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Electrical		$1,200
Mechanical		$125,800
Total		**$127,000**
Importance Code B		$127,000
Total		**$127,000**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$29,300		$19,500	
Interior Architecture	$117,000		$1,100	$1,500
Electrical	$2,900	$1,400	$3,400	$1,400
Mechanical	$29,400	$2,100	$4,300	$1,500
Site Enclosure	$800			
Site Pavements	$44,000			
Total	**$223,400**	**$3,500**	**$28,300**	**$4,400**
Importance Code A	$30,300	$1,000	$20,500	$1,000
Importance Code B	$129,300	$2,500	$7,800	$3,400
Importance Code C	$63,800			
Total	**$223,400**	**$3,500**	**$28,300**	**$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. 168 EMS STATION 23 ROSSVILLE STATION

Asset # : 13581

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								
Glass Block	1%			LIFE	* *	5	$300	
Masonry: Brick Cavity	6%	2-4	$3,000	LIFE	* *	5	$1,500	
Caulking Deteriorated, Extent : Moderate, Area Affected : 100%								
Location : Perimeter Windows								
Masonry: Brick Cavity	69%			LIFE	* *	5	$34,900	
Metal Panel	4%			2051	* *	5-10	$7,000	
Metal Coiling Doors	15%	4+	$4,600	2044	* *	5	$5,900	
Deformed/Dented, Extent : Light, Area Affected : 10%								
Location : Throughout								
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	$3,800	2044	* *	5	$3,000	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Interior								
Floors								
Cast in Place Concrete	40%	Now	$13,400	LIFE	* *	5	$26,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Floor								
Ceramic Tile	10%			2040	* *	5	$3,000	
Sheet Vinyl/Rubber	20%	Now	$19,100	2036	* *	5	$4,500	
Misaligned/Bulging, Extent : Light, Area Affected : 10%								
Location : Men's Locker Room								
Vinyl Tile	30%			2036	* *	3	$3,400	
Interior Walls								
Cast in Place Concrete	20%	Now	$16,000	LIFE	* *			
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Basement Foundation Wall								
Concrete Masonry Unit	68%	0-2	$19,100	LIFE	* *	5	$6,500	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Basement And Apparatus Area								
Gypsum Board	10%			LIFE	* *	5-10	$4,000	
Metal Panel	2%			LIFE	* *	10	$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. 168 EMS STATION 23 ROSSVILLE STATION

Asset # : 13581

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	25%	0-2	$3,700	2044	* *	5	$3,800	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Bunk Room								
Staining/Discoloring, Extent : Light, Area Affected : 20%								
Location : Throughout								
Exposed Concrete	30%	0-2	$15,500	LIFE	* *	5	$1,400	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Basement And Bulkhead								
Diagonal Cracks, Extent : Light, Area Affected : 10%								
Location : Basement Ceiling Throughout								
Exposed Struc: Steel	40%			LIFE	* *	10	$24,100	
Gypsum Board	5%			LIFE	* *	5-10	$5,200	
Site Enclosure								
Fence/Gates								
Metal: Cage/Fence	100%	Now	$800	LIFE	* *			
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Main Gate To Parking Lot								
Retaining Walls								
Cast in Place Concrete	100%			2066	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	0-2	$19,000	2044	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
On-Site Walkways								
Cast in Place Concrete	100%	0-2	$1,000	2044	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Front Walkway								
Parking/Driveway								
Asphalt	50%	2-4	$13,200	2040	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Throughout Parking Lot								
Cast in Place Concrete	50%	Now	$10,800	2044	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Throughout								
Sinking/Subsiding, Extent : Light, Area Affected : 5%								
Location : Driveway Apron								

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. 168 EMS STATION 23 ROSSVILLE STATION

Asset # : 13581

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	75%			2051	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : Main Service Disconnect Switch Rated At 800 Amperes.								
Photovoltaic Panel(s)	25%			2040	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement And Roof								
Explanation : Photovoltaic Panels Observed On Roof. Photovoltaic Equipment Observed In Electric Room In Basement								
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	$600	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	* *	1	$6,200	
Generators								
Diesel	100%			2034	* *	1	$7,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Exterior Rear Yard								
Explanation : Emergency Generator Rated At 80 Kilovolt-ampere								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Exterior Rear Yard								
Explanation : Within Generator Enclosure								
Fuel Storage								
Main Tank	100%			2059	* *	5	$600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Exterior Rear Yard								
Explanation : 60 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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FIRE DEPARTMENT - 057

ENGINE CO. 168 EMS STATION 23 ROSSVILLE STATION

Asset # : 13581

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	97%			2036	* *	10	$17,900	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Fluorescent	2%			2031	$1,200	10	$400	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Staircase								
Fluorescent	1%	Now	$600	2041	* *			
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Explanation : Some Of The Fixtures Are Broken								
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		
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								
Furnace	50%			2031	$23,700	1	$5,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 5 Rooftop Package Units Controlled Offsite								
Hot Water Boiler	50%			2044	* *	1	$5,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Boiler Room								
Explanation : 1 Unit Controlled Offsite								
Distribution								
Hot Wtr Piping/Pump	50%			2047	* *	4	$700	
No Component	50%							
Terminal Devices								
Convector/Radiator	10%			2044	* *	1	$700	
Unit Heater - Hot Water	40%	Now	$3,000	2031	$30,100			
Controller Not Working, Extent : Severe, Area Affected : 50%								
Location : Garage Area In The Rear								
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		
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%	Now	$12,600	2026	$125,800	2	$500	
Controller Not Working, Extent : Severe, Area Affected : 100%								
Location : Controls Are Offsite Creating Many Temperature Control Problems								
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : 5 Package Units, Roof								
Split Unit	10%			2039	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 2 Units. R-410a, 1 Older Unit								
Window/Wall Unit	10%			2026	$4,200	1		
No Component	30%							
Distribution								
Ductwork/Diffusers	30%	4+	$5,700	LIFE	* *	2	$7,800	
Corroded, Extent : Moderate, Area Affected : 10%								
Location : Roof								
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	60%			LIFE	* *	2-5	$10,600	
No Component	40%							
Exhaust Fans								
Roof	40%			2031	$13,300	2	$200	
No Component	60%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	* *	1		
Water Heater								
Gas Fired	100%			2029	$12,300	2	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Cellar Mechanical Room								
Explanation : Two 75 Gallon Water Heaters								
Sanitary Piping								
Cast Iron	100%	Now	$2,900	LIFE	* *	1		
Leak Evident, Extent : Moderate, Area Affected : 5%								
Location : Basement Mechanical Room								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sewage Ejector(s)								
Electric	100%			2031	$5,800	4	$1,200	
Backflow Preventer								
Generic	100%			2036	* *	1	$1,200	
Fixtures								
Generic	100%							
Fire Suppression								

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*** 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

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	80%							
Generic	20%			2051	* *	1-2	$1,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Sprinklers Are In The Basement								
Chemical System								
No Component	90%							
Generic	10%			2029	$2,800	1-3	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : 1 Set 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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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

Asset Name	:	**ENGINE CO. 17/ LADDER CO.18 (COMBINED FACILITY)**			
Address	:	**25 PITT STREET @ DELANCEY ST**			
Borough	:	**MANHATTAN**	**Agency's Number**	:	**N/A**
Program / Asset #	:	**FIRSECO.017 / 13013**	**Yr Built/Renovated**	:	**1973 / 1988**
Area Sq Ft	:	**14,780**	**Project Type**	:	**FIRE DEPARTMENT**
Date of Survey	:	**14-Nov-2016**	**Landmark Status**	:	**NONE**
Areas Surveyed	:	**Roof, Floors 1,2**			
Block	:	**342** **Lot** : **60**	**BIN**	:	**1004078**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$117,000	
Interior Architecture		$103,700
Electrical	$38,800	$32,900
Total	**$155,800**	**$136,700**
Importance Code A	$117,000	
Importance Code B	$38,800	$136,700
Total	**$155,800**	**$136,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$7,700	$16,800		
Interior Architecture	$62,200			$1,400
Electrical	$16,100	$16,900	$600	$600
Mechanical	$24,100	$34,100	$7,800	$1,000
Total	**$110,100**	**$67,800**	**$8,300**	**$3,000**
Importance Code A	$7,700	$16,800		
Importance Code B	$96,100	$51,000	$8,300	$3,000
Importance Code C	$6,300			
Total	**$110,100**	**$67,800**	**$8,300**	**$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.
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FIRE DEPARTMENT - 057

ENGINE CO. 17/ LADDER CO.18 (COMBINED FACILITY)

Asset # : 13013

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	93%			LIFE	* *	5	$8,100	
Metal Panel	2%			2048	* *	5-10	$1,200	
Metal Coiling Doors	5%	Now	$5,300	2033	* *	5	$700	
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : Front Facade								
Windows								
Steel	100%	Now	$117,000	2053	* *	5	$13,100	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Explanation : Deteriorated								
Parapets								
Masonry: Brick	90%			LIFE	* *	5	$5,300	
Metal Panel	10%	Now	$2,400	2048	* *	5	$1,100	
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : Fron Facade								
Roof								
Built-Up (BUR)	100%			2033	* *	10	$16,500	
Interior								
Floors								
Cast in Place Concrete	40%	Now	$20,300	LIFE	* *	5	$20,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : First Floor, No Access To Under Slab In Basement								
Ceramic Tile	5%			2037	* *	5	$1,100	
Quarry Tile	5%			2041	* *	5	$1,700	
Vinyl Tile	50%	Now	$5,200	2028	$103,700	3	$4,300	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Second Floor								
Interior Walls								
Ceramic Tile	5%			2037	* *	5	$1,400	
Concrete Masonry Unit	45%			LIFE	* *	5	$5,200	
Gypsum Board	15%	Now	$1,900	LIFE	* *	5	$2,600	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Second Floor								
Plaster	15%	Now	$3,700	LIFE	* *	5	$1,300	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Second Floor								
SGFT/Glazed Masonry	20%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	70%	Now	$13,800	2033	* *	5	$8,000	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Exposed Concrete	25%			LIFE	* *	5	$900	
Plaster	5%	Now	$16,000	LIFE	* *	5	$700	
Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
Location : Second Floor								

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

FIRE DEPARTMENT - 057

ENGINE CO. 17/ LADDER CO.18 (COMBINED FACILITY)

Asset # : 13013

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								
Public Sidewalk								
Cast in Place Concrete	100%			2041	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2041	* *			

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								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Electrically Feed From The Adjacent Building (Police Precinct)								
Switchgear / Switchboard								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Electrically Feed From The Adjacent Building (Police Precinct)								
Raceway								
Conduit	20%			2048	* *	1		
Conduit	80%			2028	$26,800	1		
Panelboards								
Fused Disc Sw	5%			2027	$2,100	5		
Molded Case Bkrs	15%			2044	* *	5		$100
Molded Case Bkrs	80%			2027	$32,900	5		$300
Wiring								
Thermoplastic	20%			2048	* *	1		
Thermoplastic	80%			2028	$23,700	1		
Motor Controllers								
Locally Mounted	100%	Now	$15,400	2048	* *	5		$100
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Roof								
Explanation : Not Functioning								
Lighting								
Interior Lighting								
Fluorescent	96%			2033	* *	10		$13,000
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Fluorescent	2%			2033	* *	10		$300
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Office								
Fluorescent	2%			2023	$900	10		$300
T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : Office								

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

FIRE DEPARTMENT - 057

ENGINE CO. 17/ LADDER CO.18 (COMBINED FACILITY)

Asset # : 13013

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								
Egress Lighting								
Exit, Service	100%			2023	$1,800	1		
Exterior Lighting								
Fluorescent	75%			2023	$37,900	10	$1,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 6 Compact Fluorescent Light Fixtures								
LED	25%			2036	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 2 LED Light Fixtures								
Alarm								
Security System								
Generic	100%			2036	* *	1	$5,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 4 CCTV Surveillance Cameras								

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%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Other Side Of Building								
Explanation : Supplied From 7th Precinct								
Conversion Equipment								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Supplied From The Precinct								
Explanation : Inadequate Heat Supply								
Distribution								
Hot Wtr Piping/Pump	100%			2044	* *	4	$700	
Terminal Devices								
Convector/Radiator	90%	Now	$3,600	2041	* *	1	$3,900	
Malfunctioning, Extent : Moderate, Area Affected : 5%								
Location : Control System In The Precinct								
Fan Coil Unit/Heat	10%	Now	$1,100	2033	* *	1	$400	
Malfunctioning, Extent : Moderate, Area Affected : 5%								
Location : Control System In The Precinct								
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. 17/ LADDER CO.18 (COMBINED FACILITY)

Asset # : 13013

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								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Other Side Of Building								
Explanation : Supplied From 7th Precinct								
Conversion Equipment								
Window/Wall Unit	50%			2023	$15,400	1		
Not Accessible	50%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Other Side Of Building								
Explanation : Supplied From 7th Precinct								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2	$19,200	
Terminal Devices								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Other Side Of Building								
Explanation : Supplied From 7th Precinct								
Heat Rejection								
Not Accessible	100%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$8,200	
Exhaust Fans								
Roof	100%	Now	$2,500	2033	* *	2	$400	
Broken, Extent : Moderate, Area Affected : 10%								
Location : Kitchen - On The Roof								
Plumbing								
H/C Water Piping								
Brass/Copper	100%	Now	$5,500	2054	* *	1		
Leak Evident, Extent : Moderate, Area Affected : 5%								
Location : Kitchen								
Water Heater								
Electric	100%	0-2	$6,500	2023	$13,000	4	$100	
Leak Evident, Extent : Severe, Area Affected : 50%								
Location : 1st Floor Number 1 Hot Water Heater								
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : 2 - 119 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%	Now	$1,500	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Room - When It Rains Hard								

Note : 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. 17/ LADDER CO.18 (COMBINED FACILITY)

Asset # : 13013

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%							
Obsolete Fixtures, Extent : Severe, Area Affected : 40%								
Location : Bathroom, Second Floor								
Fire Suppression								
Standpipe								
Generic	100%			2048	* *	1-5	$7,500	
Sprinkler								
No Component	50%							
Generic	50%			2048	* *	1-2	$2,100	
Fire Pump								
Not Accessible	100%							
Chemical System								
Dry	10%			2022	$2,800	1-3	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Model Rg-4gs								
No Component	80%							
Generic	10%			2023	$2,800	1-3	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Fire Extinguishers								

Note : 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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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

Asset Name : **ENGINE CO. 201/ LADDER CO. 114**
Address : **5113 4th AVENUE**
Borough : **BROOKLYN**
Program / Asset # : **FIRSECO.201 / 13098**
Area Sq Ft : **17,800**
Date of Survey : **25-Jun-2019**
Areas Surveyed : **Basement, Roof, Floors 1,2,3**
Block : **799** **Lot** : **5**

Agency's Number : **N/A**
Yr Built/Renovated : **2009 /**
Project Type : **FIRE DEPARTMENT**
Landmark Status : **NONE**
BIN : **3013535**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Mechanical	$53,800	
Total	**$53,800**	
Importance Code B	$53,800	
Total	**$53,800**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$29,700			
Interior Architecture	$15,700		$2,800	$100
Electrical	$2,900	$1,200	$1,400	$2,800
Mechanical	$54,600	$2,000	$9,800	$1,900
Site Pavements	$100			
Total	**$103,000**	**$3,200**	**$14,100**	**$4,900**
Importance Code A	$32,300	$900	$900	$900
Importance Code B	$65,000	$2,300	$13,200	$4,000
Importance Code C	$5,700			
Total	**$103,000**	**$3,200**	**$14,100**	**$4,900**



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. 201/ LADDER CO. 114
Asset # : 13098

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	85%	4+	$20,900	LIFE	* *	5	$13,000	
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Masonry Wall In Courtyard								
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	* *	5-10	$2,200	
Masonry: Brick	90%			LIFE	* *	5-10	$4,800	
Roof								
Modified Bitumen	95%	Now	$1,300	2036	* *			
Drains Clogged, Extent : Moderate, Area Affected : 20%								
Location : Low Roof								
Skylight, Metal/Glass	5%			2051	* *	10	$800	
Soffits								
Metal Panel	100%			2051	* *	5-10		
Interior								
Floors								
Cast in Place Concrete	30%	4+	$300	LIFE	* *	5	$3,300	
Horizontal Cracks, Extent : Light, Area Affected : 5%								
Location : Apparatus Floor And Basement.								
Ceramic Tile	5%			2040	* *	5	$200	
Panel/Paver: Concrete	5%	Now	$300	2051	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : Inner Courtyard Area								
Wood	60%			2059	* *	5	$5,600	
Interior Walls								
Cast in Place Concrete	5%			LIFE	* *	10	$900	
Concrete Masonry Unit	10%	2-4	$1,600	LIFE	* *	5	$300	
Water Penetration, Extent : Light, Area Affected : 2%								
Location : Basement Entry Stairs, Both Sides.								
Gypsum Board	75%	Now	$500	LIFE	* *	5	$3,100	
Paint Peeling, Extent : Light, Area Affected : 2%								
Location : Stairwell								
Water Penetration, Extent : Light, Area Affected : 2%								
Location : Stairwell								
Wood	10%			LIFE	* *	5	$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
ENGINE CO. 201/ LADDER CO. 114
Asset # : 13098

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	45%	4+	$400	2044	* *	5	$1,100	
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Laundry Room								
Embossed Metal	30%			LIFE	* *	5	$1,300	
Exposed Struc: Steel	10%	4+	$5,600	LIFE	* *			
Corrosion/Rusting, Extent : Severe, Area Affected : 10%								
Location : Basement								
Gypsum Board	10%	0-2	$500	LIFE	* *	5	$600	
Broken/Missing Elements, Extent : Light, Area Affected : 2%								
Location : Basement Stair.								
Other Observation, Extent : Light, Area Affected : 2%								
Location : Engine Bunk Room.								
Explanation : Paint Peeling.								
Wood	5%			LIFE	* *	5	$4,400	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	* *			
On-Site Walkways								
Pavers/Stone	100%	2-4	$100	2044	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Cracked Pavers Below Spiral Stair In Courtyard								

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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 600 Amperes								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2051	* *	5	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 600 Amperes								
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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*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 201/ LADDER CO. 114
Asset # : 13098

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
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$500	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	* *	1	$5,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room (Basement)								
Explanation : One 600 Amperes And One 70 Amperes								
Generators								
Diesel	100%			2040	* *	1	$6,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room (Basement)								
Explanation : 175 Kilowatts								
Batteries								
Lead/Acid	100%			2025	$1,600	5	$700	
Fuel Storage								
Day Tank	50%			2047	* *	5	$1,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 25 Gallon								
Main Tank	50%			2059	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 135 Gallon Tank								
Lighting								
Interior Lighting								
LED	100%			2036	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Motion Sensor Controls								
Egress Lighting								
Emergency, Service	50%			2036	* *	1		
Exit, Battery	50%			2036	* *	10	$600	
Exterior Lighting								
HID	50%			2036	* *	10		
No Component	50%							

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%			2051	* *	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. 201/ LADDER CO. 114
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
Heating								
Conversion Equipment								
Furnace	50%	Now	$2,100	2036	* *	1	$4,000	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 6 Rooftop Units								
Explanation : Ongoing Control Issues								
Hot Water Boiler	50%			2044	* *	1	$4,400	
Terminal Devices								
Convector/Radiator	95%			2044	* *	1	$5,500	
Fan Coil Unit/Heat	5%			2031	$13,300	1	$300	
Air Conditioning								
Energy Source								
Electricity	100%			2053	* *	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	95%	Now	$10,600	2036	* *	2	$800	
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : Roof								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Roof Top Units								
Explanation : Ongoing Control Issues, Three 410 Ampere Units								
Split Unit	5%	Now	$19,000	2041	* *			
Broken, Extent : Severe, Area Affected : 5%								
Location : Roof								
Distribution								
Ductwork/Diffusers	70%	Now	$6,700	LIFE	* *	2	$16,200	
Needs Cleaning, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Ductwork/Diffusers	30%			LIFE	* *	2	$8,700	
Dehumidifier								
Generic	100%	Now	$53,800	2036	* *			
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Basement								
Explanation : Broken								
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$15,700	
Exhaust Fans								
Roof	100%			2036	* *	2	$500	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	* *	1		

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

FIRE DEPARTMENT - 057
ENGINE CO. 201/ LADDER CO. 114
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								
Gas Fired	100%	Now	$5,400	2029	$10,900	2	$200	
Broken, Extent : Severe, Area Affected : 50%								
Location : Basement								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 100 Gallon Unit And One 75 Gallon Unit								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%	Now	$1,900	LIFE	* *	1		
Other Observation, Extent : Severe, Area Affected : 5%								
Location : Roof								
Explanation : Leak Through Roof Drain								
Sump Pump(s)								
Non-Submersible	100%			2036	* *	4	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Duplex Unit								
Sewage Ejector(s)								
Electric	100%			2036	* *	4	$700	
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	$2,800	1-3	$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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$110,100	
Electrical		$20,600
Mechanical	$69,700	$48,400
Total	**$179,900**	**$69,000**
Importance Code A	$179,900	
Importance Code B		$69,000
Total	**$179,900**	**$69,000**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$25,000		$3,300	
Interior Architecture	$58,800		$800	$200
Electrical	$1,000	$700	$2,300	$700
Mechanical	$31,400	$1,100	$7,600	$900
Site Enclosure	$1,400			
Total	**$117,700**	**$1,800**	**$14,100**	**$1,900**
Importance Code A	$25,000	$400	$3,800	$400
Importance Code B	$55,500	$1,300	$10,300	$1,200
Importance Code C	$37,200			$200
Total	**$117,700**	**$1,800**	**$14,100**	**$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. 202/ LADDER CO. 101
Asset # : 13099

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	60%	Now	$110,100	LIFE	* *	5	$11,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Side Facade Of Lower Portion Of Building								
Diagonal Cracks, Extent : Severe, Area Affected : 10%								
Location : Above Rear Window At Lower Portion Of Building								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%								
Location : Side Facades								
Caulking Deteriorated, Extent : Moderate, Area Affected : 100%								
Location : All Masonry Control Joints								
Masonry: Limestone	20%	0-2	$8,900	LIFE	* *	5	$2,800	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 75%								
Location : Richards Street Elevation								
Granite Panels	1%			LIFE	* *	5	$300	
Stucco Cement	14%			2044	* *	5	$6,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rear Facade								
Explanation : Stucco And Paint On Rear Facade To Match Surrounding Decor Of Adjacent Hotel								
Wood Overhead Doors	5%			2036	* *	5	$4,700	
Windows								
Aluminum	90%	Now	$9,600	2039	* *	5	$200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Corrosion/Rusting, Extent : Moderate, Area Affected : 100%								
Location : Insect Screens Located Throughout								
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 5%								
Location : Kitchen And Bunk Room								
Other Observation, Extent : Severe, Area Affected : 1%								
Location : Officer Room								
Explanation : Vinyl Window Installed Within Removed Aluminum Window Sash								
Glass Block	10%	4+	$800	LIFE	* *	5		
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 50%								
Location : Stair, Hose Tower								

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. 202/ LADDER CO. 101
Asset # : 13099

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								
Masonry: Brick	15%			LIFE	* *	5-10	$1,200	
Masonry: Limestone	10%	2-4	$2,700	LIFE	* *	5	$200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : Lower Rear Roof								
Metal Panel	15%			2051	* *	5	$700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Main Roof								
Explanation : Metal Coping Over Cast Stone Coping								
Wood Rail	10%	Now	$1,900	2036	* *	5	$900	
Broken/Missing Elements, Extent : Severe, Area Affected : 50%								
Location : Rear Lower Roof								
Loose/Miss Fasteners, Extent : Moderate, Area Affected : 75%								
Location : 1st Floor Roof								
Worn/Eroded, Extent : Severe, Area Affected : 100%								
Location : 1st Floor Roof								
No Component	50%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Upper Gable Roof								
Explanation : Roofing Material Raise Roof To Level Of Metal Coping, Parapet Not Visible								
Roof								
Modified Bitumen	90%			2036	* *	10	$11,400	
Traffic Topping	10%			2036	* *	10	$2,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outdoor Patio Roof At Rear Over 1st Floor								
Explanation : Wood Deck Construction								
Soffits								
Metal Panel	100%			2041	* *	5-10		
Interior								
Floors								
Cast in Place Concrete	50%	Now	$7,500	LIFE	* *	5	$14,800	
Cracking/Crumbling, Extent : Light, Area Affected : 15%								
Location : Apparatus Floor And Cellar Stairs								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Basement Onto Telecommunication Cabinet								
Mosaic Tile	5%			2044	* *	5	$1,700	
Quarry Tile	5%	4+	$1,000	2036	* *	5	$500	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Kitchen								
Recent Repair Evident, Extent : Light, Area Affected : 5%								
Location : Kitchen								
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		
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	$9,900	LIFE	* *			
Paint Peeling, Extent : Moderate, Area Affected : 75%								
Location : Throughout Cellar								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Telecommunication Cabinet								
Other Observation, Extent : Severe, Area Affected : 75%								
Location : Cellar								
Explanation : Metal Doors And Jambs Are Rusted								
Ceramic Tile	5%			2040	* *	5	$500	
Gypsum Board	3%			LIFE	* *	5-10	$500	
Masonry: Brick	10%	0-2	$8,100	LIFE	* *			
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 25%								
Location : Basement								
Plaster	30%	Now	$2,500	LIFE	* *	5	$900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Stairwell At Basement								
Paint Peeling, Extent : Moderate, Area Affected : 50%								
Location : Stairwell At Basement								
SGFT/Glazed Masonry	35%	Now	$14,100	LIFE	* *			
Diagonal Cracks, Extent : Severe, Area Affected : 1%								
Location : Rear Port Hole								
Loose Units, Extent : Severe, Area Affected : 1%								
Location : Rear Port Hole								
Other Observation, Extent : Severe, Area Affected : 1%								
Location : Rear Port Hole								
Explanation : Structural Failure At Masonry Header								
Wood	2%			LIFE	* *	5	$1,600	
Ceilings								
AcousTileSusp.Lay-In	10%	2-4	$1,200	2036	* *	5	$700	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : 1st Floor Gymnasium And Lounge								
Misaligned/Bulging, Extent : Light, Area Affected : 10%								
Location : Throughout								
Exposed Concrete	50%			LIFE	* *	5-10	$8,500	
Paint Peeling, Extent : Moderate, Area Affected : 50%								
Location : Apparatus Area								
Plaster	40%			LIFE	* *	5-10	$9,300	
Site Enclosure								
Fence/Gates								
Chain Link	70%			2041	* *			
Wood	30%	2-4	$1,400	2032	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : Rear Lower Roof Patio								
Dry Rot/Decay, Extent : Moderate, Area Affected : 25%								
Location : Rear Lower Roof Patio								

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FIRE DEPARTMENT - 057
ENGINE CO. 202/ LADDER CO. 101
Asset # : 13099

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 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		
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	80%			2041	* *	1		
Conduit	20%			2057	* *	1		
Panelboards								
Molded Case Bkrs	50%			2030	$20,600	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	$300	
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	* *	1	$2,800	
Generators								
Diesel	100%			2034	* *	1	$3,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Side Yard								
Explanation : Emergency Generator Rated At 81 Kilovolt Amperes.								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$300	
Fuel Storage								
Main Tank	100%			2046	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Side Yard								
Explanation : 60 Gallons Rated Capacity								
Lighting								

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FIRE DEPARTMENT - 057
ENGINE CO. 202/ LADDER CO. 101
Asset # : 13099

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	60%			2031	$15,700	10	$5,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement, 1st Floor								
Explanation : T-8 Lamps								
LED	40%			2039	* *			
Egress Lighting								
Emergency, Service	50%			2031	$2,400	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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front And Two Sides Of The Building								
Explanation : Cctv Surveillance Cameras								

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%			2041	* *	1		
Corroded, Extent : Light, Area Affected : 100%								
Location : Cellar								
Conversion Equipment								
Hot Water Boiler	100%	Now	$69,700	2051	* *	1	$4,000	
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Boiler Shell In Cellar								
Obsolete Equipment, Extent : Severe, Area Affected : 100%								
Location : Basement								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit. Heavy Water Intrusion.								
Distribution								
Hot Wtr Piping/Pump	95%			2039	* *	4	$600	
Hot Wtr Piping/Pump	5%	Now	$700	2056	* *	4		
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Basement								

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FIRE DEPARTMENT - 057
ENGINE CO. 202/ LADDER CO. 101
Asset # : 13099

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								
Convector/Radiator	100%	0-2	$14,500	2029	$48,400	1	$2,600	
Not Energy Efficient, Extent : Moderate, Area Affected : 60%								
Location : Various Locations								
On Extended Life, Extent : Moderate, Area Affected : 80%								
Location : Various Locations								
Air Conditioning								
Energy Source								
Electricity	100%			2047	* *	1		
Conversion Equipment								
Split Unit	40%			2036	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof And Side Wall								
Explanation : R-410a								
Window/Wall Unit	30%	0-2	$1,100	2024	$5,700	1		
Not Energy Efficient, Extent : Moderate, Area Affected : 20%								
Location : Various Locations								
No Component	30%							
Terminal Devices								
Fan Coil - 2 Pipe	40%	0-2	$4,800	2036	* *	1	$1,100	
Not in Service, Extent : Moderate, Area Affected : 30%								
Location : 2nd Floor Locker Room								
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	$2,400	
No Component	70%							
Exhaust Fans								
Interior	20%			2036	* *	2	$100	
Roof	20%	0-2	$100	2039	* *	2		
Not in Service, Extent : Moderate, Area Affected : 5%								
Location : Womens Bathroom								
Wall Unit	30%			2031	$1,000	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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Water Heater								
Gas Fired	100%	0-2	$1,100	2026	$5,500	2	$100	
Not Energy Efficient, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 74 Gallon								
Sanitary Piping								
Cast Iron	100%	Now	$6,600	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 20%								
Location : Basement, Apparatus Floor And Left Side Alley								
Corroded, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Storm Drain Piping								
Cast Iron	5%	0-2	$900	LIFE	* *	1		
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Cast Iron	95%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2024	$300	4	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Cellar								
Explanation : Heavy Usage From Water Intrusion And Undersized								
Fixtures								
Generic	100%							
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Mens Bathroom								
Explanation : Damaged								
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2026	$300	1-3		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : 1 Set								

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Mechanical		$85,300
Total		**$85,300**
Importance Code B		$85,300
Total		**$85,300**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$59,200		$3,000	
Interior Architecture	$63,400		$300	$300
Electrical	$200			
Mechanical	$10,400	$1,100	$1,400	$1,100
Site Enclosure	$700			
Total	**$133,900**	**$1,100**	**$4,600**	**$1,500**
Importance Code A	$59,800	$600	$3,600	$600
Importance Code B	$55,900	$500	$700	$900
Importance Code C	$18,100		$300	
Total	**$133,900**	**$1,100**	**$4,600**	**$1,500**



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FIRE DEPARTMENT - 057
ENGINE CO. 205/ LADDER CO. 118
Asset # : 13101

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	80%	Now	$29,100	LIFE	* *	5	$16,600	
Spalling, Extent : Light, Area Affected : 1%								
Location : Over Side Entrance Door								
Water Penetration, Extent : Light, Area Affected : 2%								
Location : At Grade By Stair To Basement								
Masonry: Granite	2%	0-2	$2,900	LIFE	* *	5	$300	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%								
Location : Throughout								
Masonry: Limestone	13%	Now	$17,100	LIFE	* *	5	$2,000	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%								
Location : Throughout								
Loose Units, Extent : Moderate, Area Affected : 20%								
Location : Cornice								
Metal Sect. OHD	5%			2044	* *	5	$3,200	
Windows								
Aluminum	100%			2047	* *	5	$1,900	
Parapets								
Masonry: Brick	40%			LIFE	* *	5-10	$7,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Parapet								
Explanation : Brick Parapet Exterior								
Masonry: Limestone	8%			LIFE	* *	5-10	$2,600	
Pre-Cast Concrete	12%	0-2	$700	LIFE	* *	5	$2,000	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%								
Location : Parapet								
Stucco Cement	40%			2044	* *	5	$2,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Parapet								
Explanation : Brick Has Stucco Covering On Parapet Interior								
Roof								
Modified Bitumen	100%			2036	* *	10	$8,500	
Drains Clogged, Extent : Moderate, Area Affected : 5%								
Location : Rear Of Upper Roof								
Patching Evident, Extent : Light, Area Affected : 25%								
Location : Front Of Roof								
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 205/ LADDER CO. 118
Asset # : 13101

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	60%	2-4	$3,300	LIFE	* *	5	$12,000	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Apparatus Floor								
Mosaic Tile	10%			2036	* *	5	$2,300	
Vinyl Tile	6%	0-2	$3,300	2031	$5,400	3	$200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Kitchen								
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : Kitchen								
Vinyl Tile	24%	2-4	$1,100	2036	* *	3	$800	
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%								
Location : Office								
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : Office								
Interior Walls								
Cast in Place Concrete	15%			LIFE	* *	10	$4,500	
Ceramic Tile	5%			2034	* *	5	$600	
Gypsum Board	10%			LIFE	* *	5-10	$2,000	
Masonry: Brick	3%	Now	$8,100	LIFE	* *			
Spalling, Extent : Light, Area Affected : 2%								
Location : Stairwell At Basement Level								
Masonry: Brick	22%			LIFE	* *	10	$800	
Plaster	20%			LIFE	* *	5-10	$2,000	
SGFT/Glazed Masonry	25%			LIFE	* *	10	$1,500	
Ceilings								
AcousTileSusp.Lay-In	5%	4+	$900	2036	* *	5	$200	
Staining/Discoloring, Extent : Light, Area Affected : 100%								
Location : Kitchen								
AcousTileSusp.Lay-In	25%	4+	$1,100	2044	* *	5	$1,100	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor								
Exposed Struc: Steel	30%	Now	$33,600	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Basement Sidewalk Bilco Door								
Plaster	40%	4+	$2,800	LIFE	* *	5	$2,300	
Paint Peeling, Extent : Light, Area Affected : 5%								
Location : Apparatus Ceiling								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	$700	2041	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Rear Yard								
Corrosion/Rusting, Extent : Moderate, Area Affected : 50%								
Location : Rear Yard								

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FIRE DEPARTMENT - 057
ENGINE CO. 205/ LADDER CO. 118
Asset # : 13101

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 Enclosure								
Free Standing 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%			2036	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2036	* *			

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		
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	
Raceway								
Conduit	100%			2051	* *	1		
Panelboards								
Fused Disc Sw	10%			2047	* *	5		
Molded Case Bkrs	90%			2047	* *	5	$100	
Wiring								
Thermoplastic	100%			2051	* *	1		
Motor Controllers								
Locally Mounted	100%			2036	* *	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Lighting								
Interior Lighting								
LED	100%			2039	* *			
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		
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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Natural Gas Steam Boiler								
Distribution								
Steam Piping/Pump	100%	Now	$600	2041	* *			
Broken, Extent : Severe, Area Affected : 5%								
Location : Apparatus Floor								
Terminal Devices								
Convector/Radiator	100%			2029	$35,600	1	$2,000	
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Split Unit	30%			2039	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 2 Units. R-410a								
Window/Wall Unit	20%	0-2	$2,800	2031	$2,800	1		
Not Energy Efficient, Extent : Moderate, Area Affected : 100%								
Location : Various Locations								
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	$1,600	
Ductwork/Diffusers	20%	0-2	$1,200	LIFE	* *	2-5	$700	
Needs Cleaning, Extent : Moderate, Area Affected : 100%								
Location : Basement								
No Component	50%							
Exhaust Fans								
Interior	30%			2039	* *	2	$100	
Roof	10%			2036	* *	2		
Wall Unit	10%	0-2	$100	2026	$200	2		
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Kitchen Area								
No Component	50%							

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FIRE DEPARTMENT - 057
ENGINE CO. 205/ LADDER CO. 118
Asset # : 13101

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%	Now	$2,500	2031	$49,600	1		
Leak Evident, Extent : Moderate, Area Affected : 2%								
Location : Apparatus Floor To Basement Bunk Room								
Water Heater								
Gas Fired	100%			2030	$4,100	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One New 74 Gallon Unit								
Sanitary Piping								
Cast Iron	100%	0-2	$1,000	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Storm Drain Piping								
Cast Iron	100%	0-2	$700	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : Outside Alley								
Sump Pump(s)								
Submersible	100%	0-2	$100	2024	$200	4	$100	
Not in Service, Extent : Moderate, Area Affected : 100%								
Location : Basement								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **14-Jun-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Roof, Floors 1,2**		
Block	: **2929** **Lot** : **53**	**BIN**	: **3070506**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$167,600	
Electrical	$70,300	$41,200
Total	**$237,900**	**$41,200**
Importance Code A	$167,600	
Importance Code B	$70,300	$41,200
Total	**$237,900**	**$41,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$38,500			
Interior Architecture	$48,800	$400		$400
Electrical	$2,500	$800	$3,300	$700
Mechanical	$1,000	$900	$3,400	$1,100
Site Pavements	$1,300			
Total	**$92,100**	**$2,100**	**$6,700**	**$2,200**
Importance Code A	$39,000	$500	$600	$500
Importance Code B	$51,800	$1,200	$6,100	$1,700
Importance Code C	$1,300	$400		
Total	**$92,100**	**$2,100**	**$6,700**	**$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. 206
Asset # : 13102

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	90%	Now	$124,300	LIFE	* *	5	$19,300	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Throuhgout								
Efflorescence, Extent : Light, Area Affected : 5%								
Location : Front Facade								
Misaligned/Bulging, Extent : Moderate, Area Affected : 5%								
Location : Front Facade								
Vertical Cracks, Extent : Moderate, Area Affected : 10%								
Location : Overhead Door Opening								
Wood Overhead Doors	10%	Now	$14,500	2042	* *	5	$5,400	
Dry Rot/Decay, Extent : Severe, Area Affected : 20%								
Location : Front Facade								
Windows								
Aluminum	100%	Now	$24,000	2054	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Single Pane Windows								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5	$600	
Concrete Masonry Unit	45%			LIFE	* *	5	$400	
Masonry: Brick	45%			LIFE	* *	5	$400	
Roof								
Modified Bitumen	100%	2-4	$43,300	2037	* *			
Blisters, Extent : Light, Area Affected : 20%								
Location : Throughout								
Soffits								
Cast in Place Concrete	100%			LIFE	* *	5		
Interior								
Floors								
Cast in Place Concrete	40%	Now	$3,400	LIFE	* *	5	$13,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Floor								
Ceramic Tile	35%			2042	* *	5	$5,300	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Quarry Tile	5%			2042	* *	5	$1,100	
Vinyl Tile	20%	2-4	$27,700	2039	* *	3	$1,100	
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Interior Walls								
Ceramic Tile	10%			2038	* *	5	$800	
Concrete Masonry Unit	35%			LIFE	* *	5	$1,100	
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. 206
Asset # : 13102

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	55%	Now	$14,500	2046	* *	5	$4,200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : Boiler Room And Throughout								
Misaligned/Bulging, Extent : Moderate, Area Affected : 40%								
Location : Throughout								
Staining/Discoloring, Extent : Severe, Area Affected : 80%								
Location : Apparatus Room And Throughout								
AcousTileSusp.Lay-In	35%			2046	* *	5	$5,300	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Plaster	10%			LIFE	* *	5	$1,000	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	100%	Now	$1,300	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Front Apron								

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								
Molded Case Bkrs	100%			2049	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Mechanical Room								
Explanation : 400 Ampere Main Switch								
Raceway								
Conduit	100%			2029	$33,500	1		
Panelboards								
Molded Case Bkrs	100%			2028	$41,200	5	$300	
Obsolete Equipment, Extent : Moderate, Area Affected : 100%								
Location : Throughout Firehouse								
Wiring								
Thermoplastic	100%			2029	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5	$100	
Ground								

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. 206
Asset # : 13102

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
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2027	$5,200	1	$3,100	
Generators								
Diesel	100%			2025	$70,300	1	$3,900	
Batteries								
Lead/Acid	100%			2022	$1,600	5	$400	
Fuel Storage								
Main Tank	100%			2044	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Mechanical Room								
Explanation : 275 Gallons								
Lighting								
Interior Lighting								
Fluorescent	90%			2029	$26,500	10	$8,400	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
LED	10%			2037	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : LED Lighting								
Egress Lighting								
Emergency, Battery	80%			2034	* *	10	$2,000	
Exit, Battery	20%			2034	* *	10	$100	
Exterior Lighting								
Fluorescent	20%			2034	* *	10	$200	
HID	80%			2029	$32,800	10		

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%			2055	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2042	* *	1	$5,000	
Distribution								
Hot Wtr Piping/Pump	100%			2045	* *	4	$500	
Terminal Devices								
Convector/Radiator	95%			2042	* *	1	$3,100	
Unit Heater - Steam	5%			2034	* *	4	$100	
Air Conditioning								
Energy Source								
Electricity	100%			2051	* *	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. 206
Asset # : 13102

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								
Conversion Equipment								
Exterior Pkg Unit - Cooling	50%			2034	* *	2	$300	
Window/Wall Unit	50%			2027	$10,600	1		
Distribution								
Ductwork/Diffusers	50%			LIFE	* *	2	$6,600	
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$5,700	
Exhaust Fans								
Roof	100%			2034	* *	2	$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	* *	1		
Water Heater								
Gas Fired	100%			2027	$6,200	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Side Utility Room								
Explanation : Two 75 Gallon Units								
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%			2049	* *	1-2	$200	
Chemical System								
Wet	2%			2027	$600	1-3	$100	
No Component	98%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Kitchen								
Explanation : Ansul System Serves Cooking Area								

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

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Electrical		$83,000
Mechanical		$104,500
Total		**$187,600**
Importance Code A		$67,300
Importance Code B		$120,300
Total		**$187,600**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$81,000			
Interior Architecture	$57,700		$1,100	$600
Electrical	$6,100		$100	$100
Mechanical	$8,000	$900	$3,800	$900
Site Enclosure	$7,400			
Site Pavements	$16,500			
Total	**$176,700**	**$900**	**$4,900**	**$1,600**
Importance Code A	$81,400	$400	$400	$400
Importance Code B	$61,900	$500	$3,700	$1,200
Importance Code C	$33,400		$800	
Total	**$176,700**	**$900**	**$4,900**	**$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. 209/ LADDER CO. 102
Asset # : 13104

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	5%	Now	$13,200	LIFE	* *	5	$400	
Broken/Missing Elements, Extent : Severe, Area Affected : 100%								
Location : 2nd Floor Rear At Air Conditioner Opening								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : 2nd Floor Rear At Air Conditioner Opening								
Explanation : Opening Cut In Brick Wall For Air Conditioner. Brick Missing And No Lintel Installed.								
Masonry: Brick	45%	4+	$2,400	LIFE	* *	5	$3,700	
Efflorescence, Extent : Severe, Area Affected : 30%								
Location : Front Facade								
Metal Sect. OHD	15%	4+	$4,100	2036	* *	5	$1,900	
Deformed/Dented, Extent : Moderate, Area Affected : 10%								
Location : Bottom Of Over Head Door								
Pre-Cast Concrete	35%			LIFE	* *	5	$18,700	
Windows								
Aluminum	100%	0-2	$12,400	2039	* *	5	$500	
Hardware Missing, Extent : Light, Area Affected : 25%								
Location : Throughout								
Caulking Deteriorated, Extent : Light, Area Affected : 15%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	35%			LIFE	* *	5-10	$30,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Exterior Of Parapet								
Explanation : Cast Stone Coping And On Exterior Of Parapet								
Masonry: Brick	63%	0-2	$2,400	LIFE	* *	5	$1,900	
Efflorescence, Extent : Light, Area Affected : 25%								
Location : Back Faces Of Parapets								
Other Observation, Extent : Light, Area Affected : 100%								
Location : All Faces Of The Building Parapet								
Explanation : Parapet At Facade Is Precast Concrete								
Metal Panel	2%			2051	* *	5	$200	
Roof								
Modified Bitumen	100%			2036	* *	10	$12,500	
Debris Present, Extent : Light, Area Affected : 10%								
Location : Upper And Lower Roof								
Soffits								
Cast in Place Concrete	100%	2-4	$14,900	LIFE	* *	5	$4,100	
Water Penetration, Extent : Moderate, Area Affected : 35%								
Location : Front Facade								
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		
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+	$1,400	LIFE	* *	5	$13,400	
Loose/Delam Surface, Extent : Light, Area Affected : 5%								
Location : Basement Storage Room								
Mosaic Tile	5%			2036	* *	5	$1,500	
Quarry Tile	5%	4+	$1,900	2036	* *	5	$500	
Worn/Eroded, Extent : Light, Area Affected : 50%								
Location : Kitchen								
Vinyl Tile	38%	2-4	$25,400	2041	* *	3	$1,700	
Worn/Eroded, Extent : Moderate, Area Affected : 60%								
Location : Throughout								
Wood	2%			2059	* *	5	$500	
Interior Walls								
Ceramic Tile	10%			2034	* *	5	$1,700	
Concrete Masonry Unit	30%			LIFE	* *	5	$4,000	
Masonry: Brick	5%	4+	$3,500	LIFE	* *			
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : Kitchen								
Plaster	25%	4+	$700	LIFE	* *	5	$1,300	
Paint Peeling, Extent : Moderate, Area Affected : 5%								
Location : Basement								
SGFT/Glazed Masonry	30%	Now	$10,400	LIFE	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Bunkroom, Throughout 1st Floor								
Ceilings								
AcousTileSusp.Lay-In	20%	Now	$400	2036	* *	5	$1,200	
Broken/Missing Elements, Extent : Light, Area Affected : 2%								
Location : Throughout								
Exposed Concrete	45%			LIFE	* *	5-10	$6,900	
Plaster	35%	2-4	$6,000	LIFE	* *	5	$2,700	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Site Enclosure								
Fence/Gates								
Chain Link	100%	0-2	$7,400	2041	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 75%								
Location : Rear Yard On Retaining Wall								
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.
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*** 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		
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%	Now	$9,300	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	$7,200	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		
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	$5,200	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	$52,200	5	$200	
Raceway								
Conduit	75%			2031	$25,100	1		
Conduit	25%			2041	* *	1		
Panelboards								
Molded Case Bkrs	25%			2039	* *	5	$100	
Molded Case Bkrs	75%			2030	$30,900	5	$200	
Wiring								
Braided Cloth	20%	2-4	$5,900	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	$300	
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		
System / Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Interior Lighting								
Fluorescent	100%			2031	$25,300	10	$8,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Exterior Lighting								
HID	20%			2031	$7,000	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 Camera								

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%			2041	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2029	$67,300	1	$4,300	
Distribution								
Hot Wtr Piping/Pump	100%			2030	$13,600	4	$600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Aged								
Terminal Devices								
Convector/Radiator	60%			2029	$28,000	1	$1,700	
Unit Heater - Hot Water	25%			2026	$8,200			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Apparatus Floor And Gymnasium								
Explanation : 4 Units								
No Component	15%							
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Split Unit	20%			2031	$37,300			
Window/Wall Unit	40%			2026	$7,300	1		
Window/Wall Unit	20%	Now	$3,600	2031	$3,600	1		
Broken, Extent : Moderate, Area Affected : 100%								
Location : 2nd Floor								
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. 209/ LADDER CO. 102
Asset # : 13104

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	20%			2031	$26,600	1	$600	
No Component	80%							
Heat Rejection								
Air Cooled Condenser Unit	20%			2031	$2,800	2	$1,200	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%	0-2	$1,600	LIFE	* *	2-5	$1,000	
Needs Cleaning, Extent : Moderate, Area Affected : 30%								
Location : Bunk Room, Kitchen Exhaust Systems And Toilet Exhaust								
No Component	80%							
Exhaust Fans								
Interior	10%	Now	$600	2031	$3,100	2		
Other Observation, Extent : Moderate, Area Affected : 50%								
Location : 2nd Floor								
Explanation : Toilet Exhaust Not Working								
Roof	20%			2036	* *	2	$100	
Wall Unit	30%	0-2	$900	2041	* *	2	$100	
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Floor And Stair Case								
No Component	40%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	50%			2029	$2,700	2	$100	
Gas Fired	50%			2024	$2,700	2	$100	
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	
Obsolete Equipment, Extent : Severe, Area Affected : 100%								
Location : Basement								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2024	$300	1-3		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen Hood								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$53,000	
Electrical		$26,800
Total	**$53,000**	**$26,800**
Importance Code A	$53,000	
Importance Code B		$26,800
Total	**$53,000**	**$26,800**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$22,500	$3,000		
Interior Architecture	$22,600	$200	$700	
Electrical	$10,200			
Mechanical	$3,300	$1,000	$500	$1,000
Site Pavements	$1,500			
Total	**$60,200**	**$4,200**	**$1,200**	**$1,100**
Importance Code A	$24,900	$3,400	$400	$400
Importance Code B	$32,300	$800	$700	$700
Importance Code C	$2,900		$200	
Total	**$60,200**	**$4,200**	**$1,200**	**$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.
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FIRE DEPARTMENT - 057
ENGINE CO. 21
Asset # : 13015

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	85%	2-4	$53,000	LIFE	* *	5	$16,500	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%								
Location : Throughout Side Facades, Bulkhead								
Misaligned/Bulging, Extent : Light, Area Affected : 5%								
Location : Top Left At Front Facade								
Spalling, Extent : Moderate, Area Affected : 10%								
Location : Bulkhead, Side Facades								
Masonry: Granite	5%			LIFE	* *	5	$1,500	
Metal Sect. OHD	10%			2048	* *	5	$6,000	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Apparatus Overhead Door								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Apparatus Overhead Door								
Explanation : Fiberglass Door								
Windows								
Aluminum	100%	Now	$7,600	2039	* *	5	$800	
Unit Inoperable, Extent : Severe, Area Affected : 20%								
Location : Bathrooms, Stair Bulkhead, 2nd Floor Offices								
Parapets								
Masonry: Brick	90%			LIFE	* *	5-10	$13,800	
Masonry: Limestone	10%			LIFE	* *	5-10	$2,700	
Roof								
Modified Bitumen	98%			2036	* *	10	$6,300	
Skylight, Metal/Glass	2%			2041	* *	10	$400	
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	* *	5	$11,900	
Ceramic Tile	5%			2044	* *	5	$300	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Bathrooms								
Vinyl Tile	50%			2036	* *	3	$1,100	
Interior Walls								
Ceramic Tile	5%			2044	* *	5	$400	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Bathrooms								
Marble Panels	5%	Now	$700	LIFE	* *			
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 2%								
Location : Shower Stalls								
Plaster	50%	Now	$700	LIFE	* *	5	$1,200	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout And Stairwell To Basement								
Paint Peeling, Extent : Light, Area Affected : 15%								
Location : Throughout And Hose Tower								
SGFT/Glazed Masonry	40%			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. 21
Asset # : 13015

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	5%			2048	* *	5	$300	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Bathrooms, 2nd Floor								
Exposed Concrete	20%	Now	$12,500	LIFE	* *	5	$200	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Basement								
Exposed Reinforcement, Extent : Severe, Area Affected : 6%								
Location : Hose Tower And Basement								
Other Observation, Extent : Severe, Area Affected : 30%								
Location : Apparatus Floor And Basement Ceiling								
Explanation : Structurally Insufficient								
Plaster	75%	Now	$1,300	LIFE	* *	5	$2,800	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Stair Bulkhead, Hose Tower								
Paint Peeling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	0-2	$1,500	2044	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Apron Ramp To Apparatus Bay								
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%			2041	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Amperes Main Disconnect Switch								
Raceway								
Conduit	90%			2031	$30,100	1		
Conduit	10%			2041	* *	1		
Panelboards								
Fused Disc Sw	3%			2030	$1,200	5		
Fused Disc Sw	2%			2039	* *	5		
Molded Case Bkrs	65%			2030	$26,800	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		
System / Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Wiring								
Thermoplastic	70%			2031	$20,700	1		
Thermoplastic	30%			2041	* *	1		
Ground								
Grounding Devices								
Generic	100%	2-4	$10,200	LIFE	* *	5	$100	
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Water Basement								
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		
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%	Now	$2,400	2044	* *	1	$3,300	
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Basement Boiler Room. Defective Fresh Air Damper System, Pilot Light Keeps Going Off								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Unit								
Distribution								
Steam Piping/Pump	100%			2031	$16,600			
Terminal Devices								
Convector/Radiator	100%			2029	$20,100	1	$1,200	
Air Conditioning								
Energy Source								
Electricity	100%			2047	* *	1		
Conversion Equipment								
Split Unit	30%			2036	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Locker And Bunker Room								
Explanation : R410a								
Window/Wall Unit	50%			2026	$3,900	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		
System / Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Heat Rejection								
Air Cooled Condenser Unit	100%			2031	$6,100	2	$2,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 2 Units								
Ventilation								
Exhaust Fans								
Wall Unit	100%			2031	$1,300	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	* *	1		
Water Heater								
Gas Fired	100%			2026	$2,300	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Cellar								
Explanation : Hard To Access For Maintenance								
Sanitary Piping								
Cast Iron	80%			LIFE	* *	1		
Cast Iron	20%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%	Now	$800	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : Basement When It Rains And Allyway Backup								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Interior Architecture	$40,000	
Mechanical		$108,800
Total	**$40,000**	**$108,800**
Importance Code B	$40,000	$108,800
Total	**$40,000**	**$108,800**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$83,300		$13,100	
Interior Architecture	$38,300		$400	
Electrical	$100		$100	
Mechanical	$5,500	$800	$1,200	$700
Site Pavements	$1,800			
Total	**$129,000**	**$800**	**$14,800**	**$700**
Importance Code A	$83,600	$300	$13,500	$300
Importance Code B	$34,100	$400	$1,000	$400
Importance Code C	$11,200		$400	
Total	**$129,000**	**$800**	**$14,800**	**$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. 210
Asset # : 13105

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	75%			LIFE	* *	5	$43,400	
Masonry: Limestone	10%	0-2	$18,700	LIFE	* *	5	$2,200	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
Location : Throughout								
Metal Sect. OHD	10%			2036	* *	5	$9,000	
Granite Panels	5%			LIFE	* *	5	$2,200	
Windows								
Aluminum	100%	Now	$10,300	2039	* *	5	$400	
Unit Inoperable, Extent : Severe, Area Affected : 30%								
Location : 3rd Floor								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5-10	$6,200	
Masonry: Brick	35%			LIFE	* *	5-10	$5,200	
Metal Rail	55%			2044	* *	5-10	$21,600	
Roof								
Modified Bitumen	95%	4+	$19,700	2036	* *			
Debris Present, Extent : Light, Area Affected : 15%								
Location : Lower Roof								
Skylight, Metal/Glass	5%	Now	$2,800	2051	* *			
Water Penetration, Extent : Light, Area Affected : 5%								
Location : Kitchen								
Interior								
Floors								
Cast in Place Concrete	30%	Now	$10,300	LIFE	* *	5	$6,800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : Apparatus Floor And Basement Floor								
Water Penetration, Extent : Light, Area Affected : 5%								
Location : Apparatus Floor Biodiesel Pump								
Ceramic Tile	5%	Now	$1,100	2034	* *	5	$300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Kitchen								
Mosaic Tile	10%	0-2	$3,300	2036	* *	5	$1,300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Bathrooms Throughout								
Wood	55%	2-4	$40,000	2059	* *	5	$5,300	
Deteriorated Finish, Extent : Moderate, Area Affected : 20%								
Location : Throughout								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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	$3,100	
Gypsum Board	30%			LIFE	* *	5-10	$7,900	
Gypsum Board	7%	Now	$1,400	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	* *	10	$1,400	
Metal Panel	3%			LIFE	* *	10	$200	
Ceilings								
AcousTileSusp.Lay-In	5%	2-4	$200	2036	* *	5	$200	
Broken/Missing Elements, Extent : Light, Area Affected : 1%								
Location : Basement								
Water Penetration, Extent : Light, Area Affected : 2%								
Location : Basement								
Exposed Struc: Steel	20%			LIFE	* *	10	$3,900	
Gypsum Board	50%	Now	$5,300	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	$4,400	LIFE	* *	5	$3,100	
Misaligned/Bulging, Extent : Moderate, Area Affected : 20%								
Location : Kitchen								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	2-4	$300	2036	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Sidewalk Carlton Avenue								
Parking/Driveway								
Cast in Place Concrete	100%	Now	$1,500	2036	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Front Apron								

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. 210
Asset # : 13105

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%			2041	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Main Service Disconnect Switch Rated At 400 Amperes.								
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	$200	
Lighting								
Interior Lighting								
LED	100%			2039	* *			
Egress Lighting								
Exit, Service	100%			2031	$800	1		
Exterior Lighting								
HID	10%			2031	$2,700	10		
No Component	90%							

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%			2041	* *	1		
Conversion Equipment								
Furnace	50%			2026	$8,000	1	$1,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 5 Rooftop Package Units								
Hot Water Boiler	50%			2036	* *	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.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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	$300	2039	* *	4	$200	
Leak Evident, Extent : Severe, Area Affected : 5%								
Location : 1 Out Of 2 Pumps In Basement								
No Component	50%							
Terminal Devices								
Convector/Radiator	40%			2044	* *	1	$900	
Unit Heater - Hot Water	10%	0-2	$800	2031	$2,500			
Other Observation, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Floor								
Explanation : Not Enough Heating Device In Apparatus Floor And House Watch								
No Component	50%							
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	45%			2026	$38,200	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 5 Units, R-22 Refrigerant								
Ext Pkg Unit - Heating/Cooling	5%	0-2	$200	2026	$4,200	2		
Controller Not Working, Extent : Moderate, Area Affected : 10%								
Location : 3rd Floor Thermostat								
Window/Wall Unit	10%	2-4	$1,400	2031	$1,400	1		
On Extended Life, Extent : Moderate, Area Affected : 100%								
Location : House Watch And 1st Floor								
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	60%	0-2	$1,900	LIFE	* *	2-5	$2,300	
Needs Cleaning, Extent : Moderate, Area Affected : 10%								
Location : Kitchen Duct								
No Component	40%							
Exhaust Fans								
Roof	60%	0-2	$300	2026	$6,800	2	$100	
Damaged, Extent : Moderate, Area Affected : 10%								
Location : Kitchen Exhaust								
No Component	40%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2029	$4,100	2	$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. 210
Asset # : 13105

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								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 5%								
Location : Kitchen								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	70%			2031	$700	4	$200	
Submersible	30%			2022	$100	4	$100	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2031	$66,400	1-2	$1,900	
Chemical System								
No Component	99%							
Generic	1%			2024	$300	1-3		
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$332,700	$287,700
Interior Architecture	$249,800	
Electrical		$130,800
Mechanical	$70,800	
Site Enclosure	$123,100	
Total	**$776,400**	**$418,400**
Importance Code A	$332,700	$287,700
Importance Code B	$320,600	$130,800
Importance Code C	$123,100	
Total	**$776,400**	**$418,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture				$7,100
Interior Architecture	$75,800		$1,100	$4,700
Electrical	$2,100	$7,100	$2,100	$2,200
Mechanical	$3,300	$2,400	$6,600	$26,500
Site Pavements	$8,400			
Elevators/Escalators	$4,900	$4,900	$4,900	$4,900
Total	**$94,500**	**$14,400**	**$14,700**	**$45,500**
Importance Code A	$1,400	$1,400	$1,400	$8,600
Importance Code B	$62,200	$13,000	$13,300	$36,900
Importance Code C	$31,000			
Total	**$94,500**	**$14,400**	**$14,700**	**$45,500**



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. 211/LADDER CO. 119 FIRE MARSHALLS

Asset # : 13106

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	25%	Now	$80,400	LIFE	* *	5	$12,500	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%								
Location : Chimney								
Painted Surfaces, Extent : Light, Area Affected : 100%								
Location : Throughout								
Vertical Cracks, Extent : Moderate, Area Affected : 10%								
Location : Elevator Penthouse								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Elevator Penthouse								
Stucco Cement	70%	Now	$216,300	2035	* *	5	$43,700	
Water Penetration, Extent : Moderate, Area Affected : 25%								
Location : South Facade At All Floors And Stairwells								
Wood Overhead Doors	5%			2035	* *	5	$12,500	
Windows								
Aluminum	100%	Now	$36,100	2038	* *	5	$2,000	
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : Fourth Floor Offices Along The South Side And Various Other Locations.								
Unit Inoperable, Extent : Moderate, Area Affected : 25%								
Location : Various Locations								
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	$244,000	10	$16,800	
Soffits								
Wood	100%			2035	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Barbecue Grill Area In Rear Yard								
Explanation : This Actually A Wood Awning								
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. 211/LADDER CO. 119 FIRE MARSHALLS

Asset # : 13106

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	20%			LIFE	* *	5	$18,500	
Ceramic Tile	5%			2039	* *	5	$2,100	
Quarry Tile	3%			2035	* *	5	$1,900	
Terrazzo	2%	Now	$8,400	LIFE	* *	5	$700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : 2nd Floor Showers								
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : 2nd Floor Showers								
Vinyl Tile	65%	Now	$5,000	2025	$249,800	3	$10,300	
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : Throughout 2nd Floor								
Vinyl Tile	5%	Now	$19,200	2040	* *	3	$800	
Broken/Missing Elements, Extent : Moderate, Area Affected : 40%								
Location : Third Floor Workout Room								
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : Third Floor Workout Room								
Interior Walls								
Cast in Place Concrete	30%			LIFE	* *			
Ceramic Tile	5%	Now	$13,200	2033	* *	5	$1,100	
Broken/Missing Elements, Extent : Moderate, Area Affected : 60%								
Location : 3rd Floor Shower Area Adjacent To Gymnasium								
Concrete Masonry Unit	25%			LIFE	* *	5	$4,500	
Gypsum Board	15%			LIFE	* *	5	$4,000	
Plaster	10%	Now	$3,800	LIFE	* *	5	$1,300	
Water Penetration, Extent : Light, Area Affected : 5%								
Location : Room 211 And Southeast Corner Of 4th And 5th Floor Offices								
SGFT/Glazed Masonry	15%	Now	$5,500	LIFE	* *			
Broken/Missing Elements, Extent : Light, Area Affected : 2%								
Location : 1st Floor In Apparatus Area By Overhead Doors								
Ceilings								
AcousTileSusp.Lay-In	50%	Now	$18,300	2035	* *	5	$10,600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Throughout Various Offices								
Exposed Concrete	30%			LIFE	* *	5	$2,000	
Plaster	20%	Now	$2,400	LIFE	* *	5	$5,300	
Paint Peeling, Extent : Light, Area Affected : 2%								
Location : 2nd Floor Locker Room								
Water Penetration, Extent : Moderate, Area Affected : 2%								
Location : 2nd Floor Locker Room								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2040	* *			

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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. 211/LADDER CO. 119 FIRE MARSHALLS

Asset # : 13106

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 Enclosure								
Free Standing Walls								
Masonry: Brick	100%	Now	$123,100	2050	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : South Wall								
Impact Damage, Extent : Severe, Area Affected : 20%								
Location : South Wall								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 75%								
Location : South And East Walls								
Misaligned/Bulging, Extent : Severe, Area Affected : 20%								
Location : South Wall								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2035	* *			
On-Site Walkways								
Cast in Place Concrete	100%	Now	$6,500	2035	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Rear Yard And Adjacent To Generator								
Parking/Driveway								
Cast in Place Concrete	100%	Now	$1,900	2035	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Parking Area								

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%			2050	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : 400 Ampere Main Switch								
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	

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. 211/LADDER CO. 119 FIRE MARSHALLS

Asset # : 13106

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
Stand-by Power								
Generators								
Diesel	100%			2033	* *	1	$11,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Exterior								
Explanation : 125 Watt Generator								
Batteries								
Lead/Acid	100%			2023	$1,600	5	$1,000	
Fuel Storage								
Day Tank	100%			2038	* *	5	$5,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Side Yard								
Explanation : 125 Gallon								
Lighting								
Interior Lighting								
Fluorescent	60%			2030	$49,200	10	$15,600	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Fluorescent	30%			2030	$24,600	10	$7,800	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : 4th And 5th Floors								
Incandescent	10%			2030	$19,400	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Stairs Dormitory And Closets								
Explanation : Mostly Incandescent Fixtures								
Egress Lighting								
Emergency, Service	20%			2030	$3,000	1		
No Component	80%							
Exterior Lighting								
HID	50%			2030	$57,000	10		
No Component	50%							
Alarm								
Security System								
No Component	90%							
Generic	10%			2030	$9,100	1	$1,100	

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%			2050	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2043	* *	1	$14,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Mechanical Room								
Explanation : 1 Hot Water Boiler								

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FIRE DEPARTMENT - 057

ENGINE CO. 211/LADDER CO. 119 FIRE MARSHALLS

Asset # : 13106

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%			2046	* *	4	$2,100	
Terminal Devices								
Convector/Radiator	100%			2035	* *	1	$9,100	
Air Conditioning								
Energy Source								
Electricity	100%			2046	* *	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	20%			2025	$70,800	2	$300	
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : Roof								
Split Unit	5%			2030	$30,200			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : R 410a								
Window/Wall Unit	40%			2025	$23,600	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	$32,900	2	$600	
Wall Unit	30%			2030	$3,000	2	$300	
Plumbing								
H/C Water Piping								
Brass/Copper	50%			2050	* *	1		
Galvanized Steel	50%			2035	* *	1		
Water Heater								
Gas Fired	100%			2028	$17,300	2	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Mechanical Room								
Explanation : Two 75 Gallon Water Heaters And One Is An Instantaneous Heater.								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
Vertical Transport								

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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. 211/LADDER CO. 119 FIRE MARSHALLS

Asset # : 13106

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
Vertical Transport								
Elevators								
Geared Traction	100%			LIFE	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st To 5th Floor								
Explanation : One Unit								
Fire Suppression								
Chemical System								
No Component	98%							
Generic	2%			2025	$600	1-3	$100	

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

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$128,600	
Total	**$128,600**	
Importance Code A	$128,600	
Total	**$128,600**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$59,900		$3,100	
Interior Architecture	$57,200		$1,700	$400
Electrical	$100		$100	
Mechanical	$13,300	$800	$800	$600
Site Enclosure	$2,400			
Total	**$132,900**	**$800**	**$5,700**	**$1,000**
Importance Code A	$60,300	$300	$3,500	$300
Importance Code B	$46,800	$400	$1,900	$600
Importance Code C	$25,800		$400	
Total	**$132,900**	**$800**	**$5,700**	**$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. 214
Asset # : 13108

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	60%	2-4	$38,700	LIFE	* *	5	$12,000	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : At North Exit								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%								
Location : Throughout Exterior Facades								
Masonry: Brick	20%	Now	$51,600	LIFE	* *	5	$4,000	
Horizontal Cracks, Extent : Moderate, Area Affected : 10%								
Location : Stair And Hose Tower								
Vertical Cracks, Extent : Severe, Area Affected : 10%								
Location : Stair And Hose Tower								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Stair And Hose Tower								
Explanation : Newer Brick Material								
Masonry: Granite	5%	2-4	$25,300	LIFE	* *	5	$800	
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : Adjacent To Over Head Door								
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Over Head Door Header								
Punct/Tear/Impact Damage, Extent : Light, Area Affected : 10%								
Location : Adjacent To Over Head Door								
Masonry: Limestone	5%	4+	$5,800	LIFE	* *	5	$800	
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : Front Facade								
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Front Facade								
Metal Sect. OHD	10%			2044	* *	5	$6,300	
Windows								
Aluminum	100%	Now	$38,300	2039	* *	5	$900	
Broken/Missing Elements, Extent : Light, Area Affected : 20%								
Location : Throughout								
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Unit Inoperable, Extent : Moderate, Area Affected : 5%								
Location : Basement Windows								
Parapets								
Masonry: Brick	90%	2-4	$13,600	LIFE	* *	5	$2,200	
Diagonal Cracks, Extent : Moderate, Area Affected : 10%								
Location : Corners								
Masonry: Limestone	10%	4+	$2,700	LIFE	* *	5	$300	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
Location : Coping								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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	$12,500	2036	* *			
Blisters, Extent : Moderate, Area Affected : 5%								
Location : Main Roof And Hose Tower Roof								
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 5%								
Location : Main Roof								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Showers, Engine Office								
Skylight, Metal/Glass	5%			2041	* *	10	$1,500	
Interior								
Floors								
Cast in Place Concrete	55%			LIFE	* *	5	$24,700	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Mosaic Tile	10%			2044	* *	5	$2,600	
Quarry Tile	5%	4+	$800	2036	* *	5	$400	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Kitchen								
Worn/Eroded, Extent : Light, Area Affected : 50%								
Location : Kitchen								
Vinyl Tile	30%	2-4	$5,600	2036	* *	3	$1,200	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : 2nd Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : 2nd Floor								
Interior Walls								
Ceramic Tile	5%			2034	* *	5	$700	
Masonry: Brick	20%			LIFE	* *	10	$900	
Plaster	35%	Now	$8,900	LIFE	* *	5	$1,600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Hose Tower, 2nd Floor Corridor And Stairwell								
Paint Peeling, Extent : Light, Area Affected : 5%								
Location : Stairwell								
SGFT/Glazed Masonry	35%	4+	$10,700	LIFE	* *			
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%								
Location : Apparatus Floor								
Wood	5%			LIFE	* *	5	$5,900	
Ceilings								
AcousTileSusp.Lay-In	10%	4+	$400	2044	* *	5	$500	
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : 1st Floor Bathroom								
Exposed Concrete	15%			LIFE	* *	5-10	$1,900	
Exposed Struc: Steel	35%			LIFE	* *	10	$7,200	
Plaster	40%	Now	$5,700	LIFE	* *	5	$2,600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Hose Tower, Stairwell								

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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		
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%	4+	$2,400	2041	* *			
Corrosion/Rusting, Extent : Light, Area Affected : 25%								
Location : Rear Yard								
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		
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 400 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		
Motor Controllers								
Locally Mounted	100%			2036	* *	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Lighting								
Interior Lighting								
LED	100%			2036	* *			
Egress Lighting								
Emergency, Battery	100%			2031	$10,100	10	$1,700	
Exterior Lighting								
LED	10%			2036	* *			
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.*

FIRE DEPARTMENT - 057
ENGINE CO. 214
Asset # : 13108

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%			2041	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2036	* *	1	$3,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Cellar Boiler Room								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	100%			2039	* *	4	$500	
Terminal Devices								
Convector/Radiator	90%	0-2	$6,800	2029	$33,900	1	$1,800	
Damaged, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor Locker Room And Office								
Unit Heater - Steam	10%			2026	$2,500	4	$100	
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Split Unit	10%			2036	* *			
Window/Wall Unit	50%	0-2	$2,200	2026	$7,300	1		
Not Energy Efficient, Extent : Moderate, Area Affected : 40%								
Location : Various Locations								
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	$1,600	
No Component	75%							
Exhaust Fans								
Roof	10%	0-2	$200	2031	$1,200	2		
Not Energy Efficient, Extent : Moderate, Area Affected : 100%								
Location : Roof								
Wall Unit	10%	0-2	$100	2026	$300	2		
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : 1st Floor								
Explanation : Damaged								
No Component	80%							
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. 214
Asset # : 13108

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								
Gas Fired	100%			2026	$4,300	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Cellar								
Explanation : 2 Units 74 Gallons								
Sanitary Piping								
Cast Iron	100%	Now	$2,600	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 20%								
Location : Water Backs Up In Basement And Apparatus Floor								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$200	4	$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2026	$300	1-3		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen Hood								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$96,200	
Interior Architecture	$47,200	$90,800
Mechanical		$38,000
Total	**$143,500**	**$128,800**
Importance Code A	$96,200	
Importance Code B		$128,800
Importance Code C	$47,200	
Total	**$143,500**	**$128,800**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$40,800		$4,700	
Interior Architecture	$95,800		$1,500	$3,200
Electrical	$100	$100	$200	$100
Mechanical	$2,400	$600	$4,400	$300
Total	**$139,100**	**$600**	**$10,800**	**$3,500**
Importance Code A	$40,800		$4,700	
Importance Code B	$86,900	$600	$6,100	$1,600
Importance Code C	$11,300			$1,900
Total	**$139,100**	**$600**	**$10,800**	**$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. 216/LADDER CO. 108 (COMBINED FACILITY) 76TH PCT

Asset # : 13109

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	89%	0-2	$86,500	LIFE	* *	5	$26,900	
Horizontal Cracks, Extent : Moderate, Area Affected : 10%								
Location : Relieving Angles At Front, Side And Back Facades								
Masonry: Brick	1%	Now	$9,700	LIFE	* *	5	$300	1
Vertical Cracks, Extent : Severe, Area Affected : 100%								
Location : Stairwell At Side Of Building								
Metal Sect. OHD	10%			2044	* *	5	$9,400	
Windows								
Aluminum	100%	Now	$21,200	2039	* *	5	$1,200	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor								
Hardware Missing, Extent : Light, Area Affected : 30%								
Location : Throughout								
Parapets								
Concrete Masonry Unit	5%			LIFE	* *	5-10	$1,200	
Masonry: Brick	5%			LIFE	* *	5-10	$1,500	
Metal Cornice	20%			2046	* *	10	$2,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof Parapet Coping								
Explanation : Metal Coping								
Metal Rail	70%			2036	* *	5-10	$53,900	
Roof								
Built-Up (BUR)	4%	Now	$17,400	2036	* *			
Water Penetration, Extent : Severe, Area Affected : 1%								
Location : Water Damage In Locker Room Ceiling Below Fan Curb On Roof.								
Built-Up (BUR)	96%			2036	* *	10	$28,900	
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	* *	5	$64,300	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : First Floor Apparatus Area								
Ceramic Tile	10%			2034	* *	5	$2,900	
Quarry Tile	1%	4+	$1,800	2036	* *	5	$200	
Broken/Missing Elements, Extent : Light, Area Affected : 1%								
Location : Kitchen And House Watch								
Terrazzo	5%	0-2	$21,900	LIFE	* *	5	$1,100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : Dining Area								
Worn/Eroded, Extent : Light, Area Affected : 30%								
Location : First Floor								
Vinyl Tile	34%			2031	$90,800	3	$5,000	
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : Throughout								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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%			2040	* *	5	$3,800	
Concrete Masonry Unit	39%	4+	$7,000	LIFE	* *	5	$5,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Plaster	20%			LIFE	* *	5-10	$6,500	
Plywood/Hardboard	1%			LIFE	* *	10		
SGFT/Glazed Masonry	30%	Now	$47,200	LIFE	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Stairwell								
Other Observation, Extent : Severe, Area Affected : 5%								
Location : Stairwell								
Explanation : Vertical Crack								
Ceilings								
AcousTileSusp.Lay-In	5%	4+	$200	2036	* *	5	$700	
Staining/Discoloring, Extent : Light, Area Affected : 10%								
Location : Office And Eating Area								
Exposed Concrete	45%			LIFE	* *	5-10	$15,600	
Plaster	15%	Now	$2,900	LIFE	* *	5	$2,600	
Cracking/Crumbling, Extent : Light, Area Affected : 2%								
Location : First Floor Apparatus Area								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Locker								
Plaster	35%			LIFE	* *	5-10	$16,700	
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		
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%			2051	* *	5	$200	
Raceway								
Conduit	100%			2041	* *	1		
Panelboards								
Molded Case Bkrs	100%			2039	* *	5	$200	
Wiring								
Thermoplastic	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.
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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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Motor Controllers								
Locally Mounted	100%			2029	$15,400	5	$100	
Lighting								
Interior Lighting								
LED	100%			2039	* *			
Egress Lighting								
Emergency, Battery	50%			2031	$6,400	10	$1,100	
Exit, Service	50%			2031	$500	1		
Exterior Lighting								
LED	20%			2039	* *			
No Component	80%							
Alarm								
Security System								
No Component	80%							
Generic	20%			2039	* *	1	$700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Perimeter Of The Building								
Explanation : CCTV Surveillance Cameras								

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%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Located In Police Precinct Facility								
Conversion Equipment								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Water Boiler Is Located In Police Precinct Facility								
Distribution								
Hot Wtr Piping/Pump	100%			2039	* *	4	$700	
Terminal Devices								
Convector/Radiator	80%			2029	$38,000	1	$2,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Temperature Controlled By Police Precinct								
Unit Heater - Hot Water	20%			2026	$6,600			
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. 216/LADDER CO. 108 (COMBINED FACILITY) 76TH PCT

Asset # : 13109

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								
Conversion Equipment								
Window/Wall Unit	20%			2024	$3,700	1		
Window/Wall Unit	30%			2029	$5,600	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	25%			LIFE	* *	2-5	$2,000	
No Component	75%							
Exhaust Fans								
Roof	25%			2036	* *	2	$100	
Wall Unit	25%			2026	$800	2	$100	
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Electric	100%			2026	$7,800	4	$100	
Sanitary Piping								
Cast Iron	80%			LIFE	* *	1		
Cast Iron	20%	Now	$1,300	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 20%								
Location : Water Backs Up In Basement, Apparatus Floor And 2nd Floor Bathroom								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%			2031	$1,400	4	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Heavy Duty Duplex Pumps								
Fixtures								
Generic	100%							
Fire Suppression								
Standpipe								
No Component	80%							
Generic	20%			2031	$7,400	1-5	$900	
Chemical System								
No Component	99%							
Generic	1%			2024	$300	1-3		
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$258,400	
Electrical		$8,200
Total	**$258,400**	**$8,200**
Importance Code A	$258,400	
Importance Code B		$8,200
Total	**$258,400**	**$8,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$20,600			
Interior Architecture	$60,900			
Electrical	$100		$100	
Mechanical	$4,300	$800	$900	$900
Total	**$85,800**	**$800**	**$1,000**	**$1,000**
Importance Code A	$21,100	$500	$500	$500
Importance Code B	$50,200	$200	$500	$400
Importance Code C	$14,600			
Total	**$85,800**	**$800**	**$1,000**	**$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. 217
Asset # : 13110

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								
Alum/Vinyl Siding	5%			2041	* *	10	$400	
Masonry: Brick	70%	Now	$216,400	LIFE	* *	5	$16,800	1
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Misaligned/Bulging, Extent : Severe, Area Affected : 40%								
Location : Both Side Elevations								
Vertical Cracks, Extent : Moderate, Area Affected : 10%								
Location : Rear And Side Walls								
Masonry: Granite	2%			LIFE	* *	5	$700	
Masonry: Limestone	15%	Now	$42,000	LIFE	* *	5	$2,700	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Wood Overhead Doors	8%			2036	* *	5	$9,600	
Windows								
Aluminum	100%	Now	$5,400	2039	* *	5	$300	
Unit Inoperable, Extent : Moderate, Area Affected : 15%								
Location : 3rd Floor Gymnasium								
Parapets								
Masonry: Brick	35%			LIFE	* *	5-10	$4,300	
Metal Panel	25%			2051	* *	5	$1,800	
Slate	15%	Now	$6,500	LIFE	* *	5	$300	
Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
Location : Lower Roof Coping Stones								
Stucco Cement	25%	2-4	$600	2036	* *	5	$600	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Upper Parapet								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Interior Parapet Upper Roof								
Explanation : Stucco Over Brick On Interior Parapet								
Roof								
Modified Bitumen	30%			2036	* *	10	$2,100	
Roll Roofing	68%			2027	$21,000	5	$8,000	
Wrinkling, Extent : Light, Area Affected : 10%								
Location : Upper Roof								
Skylight, Metal/Glass	2%			2057	* *	10	$500	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Main Roof								
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		
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	$18,300	
Quarry Tile	10%	Now	$5,100	2044	* *	5	$600	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : 3rd Floor Bath								
Sheet Vinyl/Rubber	40%	Now	$21,200	2036	* *	5	$2,500	
Seams Open/Split, Extent : Moderate, Area Affected : 10%								
Location : 2nd And 3rd Floor Corridors								
Interior Walls								
Ceramic Tile	10%	Now	$400	2034	* *	5	$300	
Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%								
Location : Bathroom On 3rd Floor								
Concrete Masonry Unit	10%			LIFE	* *	5	$500	
Masonry: Brick	30%	Now	$3,800	LIFE	* *			
Paint Peeling, Extent : Moderate, Area Affected : 25%								
Location : Basement								
Water Penetration, Extent : Severe, Area Affected : 15%								
Location : Basement								
Plaster	25%	2-4	$3,900	LIFE	* *	5	$500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Hose Tower								
Paint Peeling, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Hall, Staircase And Hose Tower								
SGFT/Glazed Masonry	25%	Now	$6,300	LIFE	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Room								
Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Ceilings								
AcousTileSusp.Lay-In	30%	Now	$2,200	2044	* *	5	$1,300	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Throughout								
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : Throughout								
Water Penetration, Extent : Light, Area Affected : 15%								
Location : 2nd Floor Office And Kitchen								
Embossed Metal	45%	4+	$4,400	LIFE	* *	5	$1,700	
Paint Peeling, Extent : Light, Area Affected : 5%								
Location : Throughout								
Gypsum Board	20%			LIFE	* *	5-10	$5,800	
Metal Panel	5%			LIFE	* *	5	$1,000	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	* *			
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. 217
Asset # : 13110

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								
Asphalt	85%			2040	* *			
Cast in Place Concrete	15%			2036	* *			

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%			2041	* *	5		
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	
Raceway								
Conduit	20%			2031	$6,700	1		
Conduit	80%			2041	* *	1		
Panelboards								
Fused Disc Sw	5%			2030	$2,100	5		
Molded Case Bkrs	75%			2039	* *	5	$100	
Molded Case Bkrs	20%			2030	$8,200	5		
Wiring								
Thermoplastic	80%			2041	* *	1		
Thermoplastic	20%			2031	$5,900	1		
Motor Controllers								
Locally Mounted	100%			2036	* *	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Lighting								
Interior Lighting								
LED	100%			2039	* *			
Egress Lighting								
Emergency, Battery	100%			2031	$7,600	10	$1,300	
Exterior Lighting								
LED	20%			2039	* *			
No Component	80%							
Alarm								
Security System								
No Component	90%							
Generic	10%			2031	$1,700	1	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front Of The Building								
Explanation : Cctv Surveillance Cameras								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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%			2041	* *	1		
Conversion Equipment								
Steam Boiler	100%			2044	* *	1	$5,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	100%			2031	$23,400			
Terminal Devices								
Convector/Radiator	100%			2029	$28,400	1	$1,700	
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Floor								
Explanation : Insufficient Heat								
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Split Unit	10%			2036	* *			
Split Unit	10%	Now	$1,100	2036	* *			
Leak Evident, Extent : Severe, Area Affected : 5%								
Location : Condensate Water Leaking To Lunch Area.								
Window/Wall Unit	40%			2026	$4,400	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	$700	
No Component	85%							
Exhaust Fans								
Roof	15%			2026	$1,300	2		
Wall Unit	5%			2031	$100	2		
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2029	$3,200	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units, 74 Gallons								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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								
Sanitary Piping								
Cast Iron	100%	0-2	$1,900	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : Front Of Apparatus Floor And Kitchen Sink								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2025	$200	4	$200	
Fixtures								
Generic	100%							
Obsolete Fixtures, Extent : Moderate, Area Affected : 70%								
Location : Various Locations								
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2026	$300	1-3		
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$85,300	$81,400
Total	**$85,300**	**$81,400**
Importance Code A	$85,300	$81,400
Total	**$85,300**	**$81,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$11,000			
Interior Architecture	$47,500		$200	$300
Electrical	$400	$300	$1,900	$300
Mechanical	$3,700	$500	$500	$500
Site Enclosure	$15,500			
Total	**$78,100**	**$800**	**$2,700**	**$1,000**
Importance Code A	$11,300	$400	$400	$400
Importance Code B	$18,700	$400	$2,100	$700
Importance Code C	$48,100		$200	
Total	**$78,100**	**$800**	**$2,700**	**$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. 218
Asset # : 13111

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	90%	Now	$85,300	LIFE	* *	5	$6,600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Side Facades								
Graffiti, Extent : Moderate, Area Affected : 15%								
Location : East Facade								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%								
Location : Side And Rear Facades								
Paint Peeling, Extent : Moderate, Area Affected : 40%								
Location : Side And Rear Facades								
Vegetation Growth, Extent : Moderate, Area Affected : 15%								
Location : East And Rear Facade								
Worn/Eroded, Extent : Moderate, Area Affected : 30%								
Location : Side And Rear Facades								
Wood Overhead Doors	10%			2036	* *	5	$3,700	
Windows								
Aluminum	100%	4+	$4,800	2039	* *	5	$500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5-10	$400	
Masonry: Brick	54%	2-4	$4,800	LIFE	* *	5	$100	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Throughout Parapet								
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : Throughout Parapet								
Masonry: Brick	21%			LIFE	* *	5-10	$200	
Metal Rail	10%			2036	* *	5-10	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front Parapet								
Explanation : Decorative Rail								
Slate	5%	4+	$900	LIFE	* *	5		
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : Front Of Building								
Roof								
Modified Bitumen	100%			2031	$81,400	10	$5,600	
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. 218

Asset # : 13111

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								
Carpet	5%			2027	$4,000	3	$600	
Cast in Place Concrete	50%	Now	$1,600	LIFE	* *	5	$6,400	
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : Cellar								
Mosaic Tile	5%	4+	$1,900	2036	* *	5	$400	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Bathrooms								
Quarry Tile	5%	4+	$900	2044	* *	5	$200	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Kitchen Entry								
Sheet Vinyl/Rubber	20%			2036	* *	5	$1,800	
Vinyl Tile	15%	2-4	$1,600	2031	$8,000	3	$300	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : 2nd Floor								
Recent Repair Evident, Extent : Light, Area Affected : 50%								
Location : 2nd Floor								
Interior Walls								
Ceramic Tile	5%			2034	* *	5	$400	
Gypsum Board	1%			LIFE	* *	5-10	$100	
Masonry: Brick	15%	Now	$15,100	LIFE	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout Basement								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Plaster	69%	Now	$14,300	LIFE	* *	5	$1,700	
Cracking/Crumbling, Extent : Severe, Area Affected : 35%								
Location : Throughout 2nd Floor								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : 2nd Floor At Rear Of Building								
Wood	10%			LIFE	* *	5	$6,400	
Ceilings								
AcousTileSusp.Lay-In	10%	4+	$100	2036	* *	5	$300	
Staining/Discoloring, Extent : Light, Area Affected : 1%								
Location : Kitchen								
Embossed Metal	40%	Now	$4,400	LIFE	* *	5	$1,100	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Throughout								
Paint Peeling, Extent : Light, Area Affected : 25%								
Location : Throughout								
Exposed Struc: Steel	20%			LIFE	* *	10	$2,300	
Plaster	30%			LIFE	* *	5-10	$3,000	
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. 218
Asset # : 13111

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 Enclosure								
Fence/Gates								
Chain Link	100%	Now	$3,500	2041	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 50%								
Location : Driveway Gate								
Impact Damage, Extent : Moderate, Area Affected : 50%								
Location : Driveway Gate								
Free Standing Walls								
Masonry: Brick	100%	0-2	$12,000	2041	* *			
Broken/Missing Elements, Extent : Light, Area Affected : 15%								
Location : Top Of Wall								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%								
Location : Back Yard								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Back Yard								
Explanation : Paint Peeling								
Site Pavements								
Public Sidewalk								
Asphalt	100%			2040	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2036	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2036	* *			

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%			2041	* *	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%			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		
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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Maintenance $ are aggregated over a ten-year period. Site specific 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

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
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	* *	1	$1,100	
Generators								
Diesel	100%			2034	* *	1	$1,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : Emergency Generator Rated At 62 Kilowatts								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$100	
Fuel Storage								
Main Tank	100%			2046	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 50 Gallons Rated Capacity								
Lighting								
Interior Lighting								
Fluorescent	100%			2031	$10,500	10	$3,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Egress Lighting								
Emergency, Service	50%			2031	$1,000	1		
Exit, Service	50%			2031	$200	1		
Exterior Lighting								
HID	30%			2031	$4,400	10		
No Component	70%							
Alarm								
Security System								
No Component	80%							
Generic	20%			2031	$2,300	1	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front And Side Of The Building								
Explanation : Cctv Surveillance Cameras								

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%			2041	* *	1		
Conversion Equipment								
Steam Boiler	100%			2044	* *	1	$3,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								

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*** 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		
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	$16,100			
Terminal Devices								
Convector/Radiator	100%	0-2	$1,000	2036	* *	1	$1,100	
Leak Evident, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Office Bathroom								
Other Observation, Extent : Moderate, Area Affected : 25%								
Location : Apparatus Floor								
Explanation : Insufficient Heat								
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Window/Wall Unit	50%	0-2	$1,500	2026	$3,800	1		
Not Energy Efficient, Extent : Moderate, Area Affected : 20%								
Location : Various Locations								
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2-5	$600	
No Component	80%							
Exhaust Fans								
Roof	20%			2031	$1,200	2		
Wall Unit	50%	0-2	$600	2041	* *	2		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Apparatus								
Explanation : On Extented Life Time, Inefficient Unit.								
No Component	30%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2031	$27,100	1		
Water Heater								
Gas Fired	100%			2029	$2,200	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 74 Gallons								
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.*

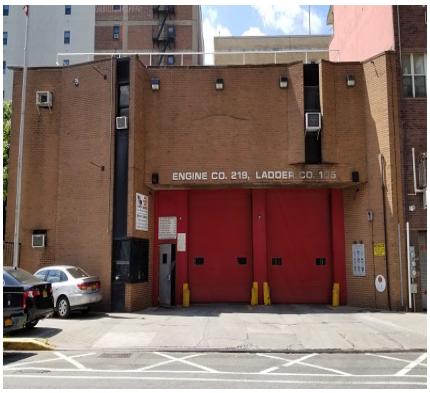
Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$179,500	$149,100
Interior Architecture		$45,300
Electrical		$163,600
Total	**$179,500**	**$358,000**
Importance Code A	$179,500	$149,100
Importance Code B		$208,900
Total	**$179,500**	**$358,000**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$19,200	$3,000	$2,900	
Interior Architecture	$97,100		$900	$600
Electrical	$1,000	$700	$2,400	$800
Mechanical	$19,000	$1,000	$1,500	$700
Site Pavements	$14,000			
Total	**$150,400**	**$4,700**	**$7,700**	**$2,200**
Importance Code A	$19,700	$3,400	$3,400	$500
Importance Code B	$84,600	$1,200	$3,400	$1,700
Importance Code C	$46,200		$900	
Total	**$150,400**	**$4,700**	**$7,700**	**$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. 219/LADDER CO. 105
Asset # : 13112

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	85%	0-2	$104,900	LIFE	* *	5	$16,300	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Rusting Masonry Supt, Extent : Moderate, Area Affected : 100%								
Location : All Masonry Supporting Lintels								
Caulking Deteriorated, Extent : Moderate, Area Affected : 100%								
Location : All Masonry Control Joints								
Spalling, Extent : Moderate, Area Affected : 2%								
Location : Several Locations Along Rear And Side Facade								
Metal Panel	5%			2041	* *	5-10	$6,600	
Metal Sect. OHD	10%			2048	* *	5	$6,000	
Windows								
Aluminum	95%	0-2	$12,100	2039	* *	5	$700	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Wood	5%	Now	$2,100	2056	* *	5	$400	1
Dry Rot/Decay, Extent : Severe, Area Affected : 50%								
Location : Side Wall								
Unit Inoperable, Extent : Severe, Area Affected : 50%								
Location : Side Wall								
Parapets								
Metal Panel	5%			2041	* *	5	$100	
Metal Rail	45%			2044	* *	5-10	$4,800	
Pre-Cast Concrete	50%	0-2	$3,400	LIFE	* *	5	$1,900	
Miss/Damaged Copings, Extent : Severe, Area Affected : 5%								
Location : Missing Portion Of Coping At All Elevations								
Caulking Deteriorated, Extent : Moderate, Area Affected : 100%								
Location : All Coping Joints								
Roof								
Modified Bitumen	85%	Now	$74,500	2031	$149,100			
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 50%								
Location : Roof Penetrations And Pitch Pockets								
Ponding, Extent : Moderate, Area Affected : 33%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Roof Hatch								
Roll Roofing	15%	Now	$1,600	2027	$8,000	5	$1,500	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Lower Roof								
Soffits								
Stucco Cement	100%			2036	* *	5		
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.
*** 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		
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%	2-4	$6,200	LIFE	* *	5	$12,300	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Apparatus Floor								
Ponding, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Floor								
Other Observation, Extent : Moderate, Area Affected : 1%								
Location : Exposed Rebar								
Explanation : Apparatus Floor								
Ceramic Tile	10%	0-2	$12,900	2034	* *	5	$600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Showers								
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Throughout Bathrooms								
Water Penetration, Extent : Moderate, Area Affected : 25%								
Location : Bathroom Shower Area Ponding Near Radiator And Leaking To Below								
Quarry Tile	5%	2-4	$1,000	2036	* *	5	$500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Kitchen								
Vinyl Tile	40%	Now	$18,100	2031	$45,300	3	$1,900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : 2nd Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 20%								
Location : Throughout 2nd Floor								
Interior Walls								
Ceramic Tile	11%			2034	* *	5	$1,900	
Concrete Masonry Unit	30%			LIFE	* *	5	$4,100	
Gypsum Board	6%			LIFE	* *	5-10	$1,800	
Plaster	5%	4+	$2,900	LIFE	* *	5	$300	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Apparatus Floor								
Plaster	13%			LIFE	* *	5-10	$1,900	
SGFT/Glazed Masonry	32%	2-4	$22,700	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 20%								
Location : Kitchen								
Wood	3%			LIFE	* *	5	$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. 219/LADDER CO. 105
Asset # : 13112

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								
AcousTileConcealSpLn	30%	2-4	$16,200	2036	* *	5	$2,300	
Broken/Missing Elements, Extent : Severe, Area Affected : 33%								
Location : 2nd Floor								
Worn/Eroded, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Exposed Concrete	10%			LIFE	* *	5-10	$1,600	
Metal Panel	5%	Now	$4,500	LIFE	* *	5	$800	
Bent/Warped Elements, Extent : Light, Area Affected : 10%								
Location : 2nd Floor Bathrooms								
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : 2nd Floor Bathrooms								
Plaster	55%	Now	$4,800	LIFE	* *	5	$4,300	
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : 1st Floor Sitting Room								
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	$1,500	2034	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 80%								
Location : Side Yard Driveway								
Potholes, Extent : Moderate, Area Affected : 10%								
Location : Driveway								
Cast in Place Concrete	50%	Now	$12,500	2051	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
Location : Building Front Entrance, Driveway, Sidewalk								
Other Observation, Extent : Severe, Area Affected : 10%								
Location : Front Apron								
Explanation : Steel Edge Loose And Elevated								

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								
Molded Case Bkrs	100%			2031	$5,200	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : Main Service Disconnect Switch Rated At 250 Amperes.								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	$52,200	5	$200	

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. 219/LADDER CO. 105
Asset # : 13112

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								
Raceway								
Conduit	100%			2031	$33,500	1		
Panelboards								
Molded Case Bkrs	100%			2030	$41,200	5	$200	
Wiring								
Thermoplastic	100%			2041	* *	1		
Motor Controllers								
Locally Mounted	100%			2036	* *	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$300	
Stand-by Power								
Transfer Switches								
Automatic	100%			2029	$5,200	1	$2,800	
Generators								
Diesel	100%			2027	$70,300	1	$3,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room								
Explanation : Emergency Generator Rated At 12 Kilowatts								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$300	
Fuel Storage								
Day Tank	5%			2030		5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room								
Explanation : 10 Gallons Rated Capacity								
Main Tank	95%			2034	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Side Yard								
Explanation : 275 Gallons Rated Capacity								
Lighting								
Interior Lighting								
LED	100%			2039	* *			
Egress Lighting								
Emergency, Service	100%			2039	* *	1		
Exterior Lighting								
HID	30%			2031	$11,000	10		
No Component	70%							
Alarm								
Security System								
No Component	90%							
Generic	10%			2031	$2,900	1	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front Of The Building								
Explanation : Cctv Surveillance Camera								

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FIRE DEPARTMENT - 057
ENGINE CO. 219/LADDER CO. 105
Asset # : 13112

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%			2041	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2048	* *	1	$4,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	50%			2047	* *	4	$300	
Hot Wtr Piping/Pump	50%			2030	$7,100	4	$300	
Terminal Devices								
Convector/Radiator	60%			2029	$29,300	1	$1,800	
Unit Heater - Steam	40%			2031	$13,000	4	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Apparatus Floor And Basement								
Explanation : Unit Heaters								
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Window/Wall Unit	40%	0-2	$7,600	2031	$7,600	1		
Not Energy Efficient, Extent : Moderate, Area Affected : 100%								
Location : Various Locations								
On Extended Life, Extent : Moderate, Area Affected : 100%								
Location : Various Locations								
Window/Wall Unit	20%			2026	$3,800	1		
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	60%	0-2	$5,000	LIFE	* *	2-5	$3,000	
Needs Cleaning, Extent : Moderate, Area Affected : 100%								
Location : 2nd Floor And Kitchen								
No Component	40%							
Exhaust Fans								
Roof	85%			2036	* *	2	$200	
Roof	15%	0-2	$2,300	2041	* *	2		
Broken, Extent : Severe, Area Affected : 50%								
Location : Lower Roof								
Obsolete Equipment, Extent : Moderate, Area Affected : 100%								
Location : Lower Roof								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	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. 219/LADDER CO. 105
Asset # : 13112

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								
Gas Fired	100%			2030	$5,600	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Heaters								
Sanitary Piping								
Cast Iron	10%	Now	$2,000	LIFE	* *	1		
Leak Evident, Extent : Severe, Area Affected : 30%								
Location : 2nd Floor Bathroom To 1st Floor Sitting Room								
Cast Iron	90%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%	0-2	$900	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 5%								
Location : Basement Outside Alley								
Sump Pump(s)								
Submersible	100%	0-2	$300	2026	$300	4	$200	
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	70%							
Generic	30%			2031	$26,800	1-2	$800	
Chemical System								
No Component	99%							
Generic	1%			2024	$300	1-3		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : 1 Set								

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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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$60,500	
Interior Architecture		$39,400
Electrical		$20,600
Mechanical		$66,800
Total	**$60,500**	**$126,700**
Importance Code A	$60,500	
Importance Code B		$126,700
Total	**$60,500**	**$126,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$76,400		$2,500	
Interior Architecture	$50,300		$200	$500
Electrical	$1,300	$700	$800	$2,400
Mechanical	$37,600	$1,000	$3,800	$800
Total	**$165,600**	**$1,600**	**$7,200**	**$3,700**
Importance Code A	$76,800	$400	$2,900	$400
Importance Code B	$82,400	$1,200	$4,300	$3,300
Importance Code C	$6,400			
Total	**$165,600**	**$1,600**	**$7,200**	**$3,700**



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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. 22/ LADDER CO.13/ BATTALION 10
Asset # : 13016

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	83%	4+	$12,200	LIFE	* *	5	$18,900	
Broken/Missing Elements, Extent : Light, Area Affected : 1%								
Location : Front Facade								
Masonry: Limestone	10%	2-4	$5,300	LIFE	* *	5	$1,700	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 2%								
Location : Front Facade								
Metal Sect. OHD	7%			2044	* *	5	$5,000	
Windows								
Aluminum	100%	Now	$25,400	2056	* *	5	$300	
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 80%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	15%	2-4	$3,600	LIFE	* *	5	$2,000	
Caulking Deteriorated, Extent : Moderate, Area Affected : 100%								
Location : Cast Stone Copings								
Masonry: Brick	85%	2-4	$18,400	LIFE	* *	5	$1,500	
Spalling, Extent : Moderate, Area Affected : 20%								
Location : Spalling And Paint Peeling Throughout								
Roof								
Modified Bitumen	5%			2036	* *	10	$700	
Roll Roofing	95%			2024	$60,500	5	$22,900	
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : 2nd Floor Ceiling								
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	* *	5	$28,500	
Cracking/Crumbling, Extent : Light, Area Affected : 2%								
Location : Apparatus Floor								
Ceramic Tile	10%	Now	$600	2044	* *	5	$700	
Worn/Eroded, Extent : Severe, Area Affected : 1%								
Location : Apparatus Floor Toilet Room								
Quarry Tile	5%			2036	* *	5	$1,100	
Vinyl Tile	30%			2031	$39,400	3	$2,200	
Vinyl Tile	10%			2039	* *	3	$500	
Recent Installation, Extent : Light, Area Affected : 10%								
Location : 2nd Floor								

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FIRE DEPARTMENT - 057
ENGINE CO. 22/ LADDER CO.13/ BATTALION 10
Asset # : 13016

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%			LIFE	* *	10	$1,400	
Spalling, Extent : Light, Area Affected : 2%								
Location : Cellar And Stairwell To Cellar								
Ceramic Tile	5%	Now	$300	2044	* *	5	$300	
Worn/Eroded, Extent : Severe, Area Affected : 1%								
Location : Apparatus Floor Toilet								
Concrete Masonry Unit	5%			LIFE	* *	5	$400	
Plaster	40%	Now	$1,900	LIFE	* *	5	$1,300	
Paint Peeling, Extent : Light, Area Affected : 10%								
Location : Apparatus Floor								
Water Penetration, Extent : Severe, Area Affected : 2%								
Location : Over Window In Engine Office								
SGFT/Glazed Masonry	45%			LIFE	* *	10	$2,500	
Ceilings								
AcousTileSusp.Lay-In	10%			2036	* *	5	$1,400	
Exposed Concrete	30%			LIFE	* *	5-10	$5,400	
Metal Panel	2%			LIFE	* *	5	$700	
Plaster	58%	Now	$23,500	LIFE	* *	5	$5,200	
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : 2nd Floor Dormitory And Front Offices								
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		
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%							
Switchgear / Switchboard								
Fused Disc Sw	100%			2051	* *	5		
Raceway								
Conduit	60%			2031	$20,100	1		
Conduit	40%			2051	* *	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 22/ LADDER CO.13/ BATTALION 10
Asset # : 13016

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								
Panelboards								
Fused Disc Sw	5%			2030	$2,100	5		
Molded Case Bkrs	45%			2047	* *	5	$100	
Molded Case Bkrs	50%			2030	$20,600	5	$100	
Motor Controllers								
Locally Mounted	100%			2029	$15,400	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	* *	1	$2,500	
Generators								
Diesel	100%			2040	* *	1	$3,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : One 40 Kilowatts, 50 Kilovolt-ampere								
Batteries								
Lead/Acid	100%			2025	$1,600	5	$300	
Fuel Storage								
Day Tank	50%			2047	* *	5	$800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Area								
Explanation : One 50 Gallons								
Main Tank	50%			2034	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 550 Gallons								
Lighting								
Interior Lighting								
Fluorescent	30%			2031	$7,200	10	$2,300	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement								
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	$3,300	10		
LED	10%			2039	* *			
No Component	80%							
Alarm								
Fire/Smoke Detection								
No Component	80%							
Generic, Digital	20%			2031	$18,300	1-3	$1,100	

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. 22/ LADDER CO.13/ BATTALION 10
Asset # : 13016

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%			2051	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2044	* *	1	$4,100	
Distribution								
Hot Wtr Piping/Pump	50%			2039	* *	4	$300	
Hot Wtr Piping/Pump	50%	Now	$1,300	2047	* *	4	$200	
Controller Not Working, Extent : Moderate, Area Affected : 100%								
Location : Throughout. Defective Thermostat Heating Control								
Terminal Devices								
Convector/Radiator	90%			2036	* *	1	$2,400	
Unit Heater - Steam	10%			2031	$3,000	4	$100	
Air Conditioning								
Energy Source								
Electricity	100%			2047	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	15%			2036	* *	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : R-410a. Serves Kitchen Area								
Exterior Pkg Unit - Cooling	30%	2-4	$20,100	2041	* *	2	$100	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Roof								
Explanation : Split Unit Serves 2nd Floor								
Window/Wall Unit	40%			2026	$6,900	1		
No Component	15%							
Distribution								
Ductwork/Diffusers	65%			LIFE	* *	2	$8,700	
No Component	35%							
Terminal Devices								
Fan Coil - 2 Pipe	50%			2031	$66,800	1	$1,300	
No Component	50%							
Heat Rejection								
Dry Cooler	50%			2026	$19,100	2	$2,900	
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$7,300	
Exhaust Fans								
Interior	45%	0-2	$6,600	2036	* *	2	$100	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Apparatus And Locker Room								
Explanation : No Ventilation In Apparatus And Locker Room								
Roof	50%			2031	$6,900	2	$100	
Wall Unit	5%			2031	$100	2		

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FIRE DEPARTMENT - 057
ENGINE CO. 22/ LADDER CO.13/ BATTALION 10
Asset # : 13016

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								
Gas Fired	100%			2029	$5,000	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	80%			LIFE	* *	1		
Cast Iron	10%	Now	$1,200	LIFE	* *	1		
Leak Evident, Extent : Moderate, Area Affected : 100%								
Location : 2nd Floor Bathroom. Waste Piping Leaking								
Cast Iron	10%	Now	$1,200	LIFE	* *	1		
Broken, Extent : Severe, Area Affected : 100%								
Location : Basement. Broken Waste Piping								
Storm Drain Piping								
Cast Iron	80%			LIFE	* *	1		
Cast Iron	20%	0-2	$1,000	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 100%								
Location : Occasional Sewer Backup In Apparatus Room								
Sump Pump(s)								
Submersible	100%			2022	$300	4	$300	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **22-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2,3**		
Block	: **1096** **Lot** : **25**	**BIN**	: **3026278**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$134,700	
Total	**$134,700**	
Importance Code A	$134,700	
Total	**$134,700**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$32,300		$8,100	$400
Interior Architecture	$37,400		$300	$300
Electrical	$14,200		$4,100	
Mechanical	$11,300	$900	$3,900	$1,100
Site Enclosure	$15,300			
Site Pavements	$4,000			
Total	**$114,500**	**$900**	**$16,300**	**$1,800**
Importance Code A	$42,700	$200	$8,300	$600
Importance Code B	$49,800	$700	$8,000	$1,200
Importance Code C	$22,000			
Total	**$114,500**	**$900**	**$16,300**	**$1,800**



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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. 220/LADDER CO. 122
Asset # : 13224

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	2%	Now	$2,300	LIFE	* *	5	$1,900	1
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Rear Of Building								
Masonry: Brick	35%	Now	$21,300	LIFE	* *	5	$6,600	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 20%								
Location : Back Facade								
Vegetation Growth, Extent : Moderate, Area Affected : 15%								
Location : Back Facade								
Masonry: Limestone	55%	Now	$134,700	LIFE	* *	5	$7,800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Front Facade								
Wood	3%	Now	$3,200	2034	* *	5	$1,400	
Broken/Missing Elements, Extent : Severe, Area Affected : 15%								
Location : Upper Left Corner								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front Elevation Of Ladder 122								
Explanation : Wood Framed Cornice								
Wood Overhead Doors	5%			2034	* *	5	$4,700	
Windows								
Aluminum	100%			2045	* *	5	$700	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5	$700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Masonry: Brick	55%	Now	$2,900	LIFE	* *	5	$500	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 15%								
Location : Throughout								
Masonry: Limestone	20%			LIFE	* *	5	$200	
Metal Rail	10%			2042	* *	5-10	$1,600	
Slate	5%	0-2	$1,600	LIFE	* *	5		
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : 2 Story Roof								
Roof								
Copper/Terne	5%			2057	* *	10	$800	
Modified Bitumen	90%			2034	* *	10	$5,700	
Skylight, Metal/Glass	3%			2049	* *	10	$600	
Skylight, Plastic	2%			2034	* *	1		
Other Observation, Extent : Light, Area Affected : 25%								
Location : Engine Company Side								
Explanation : Two Skylights Have Been Sealed								
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 220/LADDER CO. 122
Asset # : 13224

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	40%	4+	$1,500	LIFE	* *	5	$5,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Ceramic Tile	5%			2032	* *	5	$300	
Quarry Tile	5%			2034	* *	5	$500	
Vinyl Tile	40%	Now	$4,900	2034	* *	3	$1,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Worn/Eroded, Extent : Moderate, Area Affected : 40%								
Location : Throughout								
Wood	10%	Now	$23,800	2069	* *	5	$600	
Deteriorated Finish, Extent : Severe, Area Affected : 60%								
Location : Engine Company Side								
Loose Units, Extent : Moderate, Area Affected : 15%								
Location : Engine Company Side								
Split/Cracked, Extent : Moderate, Area Affected : 30%								
Location : Engine Company Side								
Interior Walls								
Cast in Place Concrete	5%			LIFE	* *			
Ceramic Tile	5%			2032	* *	5	$500	
Concrete Masonry Unit	5%			LIFE	* *	5	$200	
Gypsum Board	31%			LIFE	* *	5	$1,700	
Masonry: Brick	5%			LIFE	* *			
Granite Panels	3%	Now	$1,200	LIFE	* *			
Broken/Missing Elements, Extent : Light, Area Affected : 2%								
Location : Throughout								
Plaster	31%	Now	$1,200	LIFE	* *	5	$900	
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : Under Sealed Skylights								
SGFT/Glazed Masonry	15%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	15%	Now	$1,700	2042	* *	5	$500	
Broken/Missing Elements, Extent : Severe, Area Affected : 30%								
Location : Basement Gymnasium								
Staining/Discoloring, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Embossed Metal	10%	4+	$1,300	LIFE	* *	5	$300	
Paint Peeling, Extent : Moderate, Area Affected : 60%								
Location : Apparatus Floor								
Exposed Struc: Steel	15%			LIFE	* *			
Gypsum Board	30%			LIFE	* *	5	$2,500	
Plaster	30%	Now	$1,400	LIFE	* *	5	$1,300	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Engine 122 Side								
Site Enclosure								

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FIRE DEPARTMENT - 057
ENGINE CO. 220/LADDER CO. 122
Asset # : 13224

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 Enclosure								
Free Standing Walls								
Masonry: Brick	100%	Now	$15,300	2049	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 25%								
Location : Throughout								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2034	* *			
On-Site Walkways								
Cast in Place Concrete	100%	Now	$4,000	2034	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 25%								
Location : Throughout								
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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%			2049	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 600 Ampere Main Disconnect Switch Serving Both Engine Company And Ladder Company								
Switchgear / Switchboard								
Fused Disc Sw	100%			2049	* *	5		
Raceway								
Conduit	30%			2039	* *	1		
Conduit	70%			2029	$23,400	1		
Panelboards								
Fused Disc Sw	10%			2028	$4,100	5		
Molded Case Bkrs	90%			2037	* *	5	$100	
Wiring								
Thermoplastic	30%			2039	* *	1		
Thermoplastic	70%			2029	$20,700	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5		
Ground								
Grounding Devices								
Generic	100%	0-2	$10,200	LIFE	* *	5	$100	
Corroded, Extent : Light, Area Affected : 100%								
Location : Basement								
Lighting								

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FIRE DEPARTMENT - 057
ENGINE CO. 220/LADDER CO. 122
Asset # : 13224

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	70%			2029	$9,100	10	$2,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout Building								
Explanation : T-8 Lamps								
Fluorescent	30%	0-2	$3,900	2039	* *			
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout Building								
Egress Lighting								
Emergency, Battery	50%			2024	$3,200	10	$500	
Exit, Service	50%			2024	$300	1		
Exterior Lighting								
HID	100%			2029	$18,200	10		

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%			2049	* *	1		
Conversion Equipment								
Hot Water Boiler	100%	0-2	$10,400	2046	* *	1	$2,000	
Malfunctioning, Extent : Moderate, Area Affected : 10%								
Location : Heating Controls								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Boilers Piped With Manifold								
Distribution								
Hot Wtr Piping/Pump	100%			2045	* *	4	$200	
Terminal Devices								
Air Handler	10%			2034	* *	1	$300	
Convector/Radiator	80%			2042	* *	1	$1,200	
Unit Heater - Steam	10%			2029	$1,600	4		
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	90%			2037	* *	2	$300	
Recent Replace Evident, Extent : Light, Area Affected : 80%								
Location : Roof								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : Engine Side - 2 Roof Units / 1 Unit In Courtyard ladder Side - 2 Units								
Window/Wall Unit	10%			2024	$900	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 220/LADDER CO. 122
Asset # : 13224

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								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2	$5,900	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$2,500	
Exhaust Fans								
Roof	100%			2034	* *	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	* *	1		
HW Heat Exchanger								
Steam Fired	100%			2049	* *	4	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 180 Gallon Storage Tank								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%	Now	$500	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Leak Evident, Extent : Moderate, Area Affected : 5%								
Location : Roof Drain, Third Floor Roof								
Sump Pump(s)								
Submersible	100%			2023	$200	4	$100	
Backflow Preventer								
No Component	50%							
Generic	50%			2029	$600	1	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : One Unit								
Fixtures								
Generic	100%							
Fire Suppression								
Standpipe								
Generic	100%			2049	* *	1-5	$2,400	
Sprinkler								
Generic	100%			2049	* *	1-2	$1,300	
No Backflow Preventer, Extent : Moderate, Area Affected : 100%								
Location : Main Service Entrance								
Chemical System								
Dry	2%			2027	$600	1-3	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Ansul-102								
No Component	98%							

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$93,100	
Interior Architecture	$98,800	
Total	**$191,900**	
Importance Code A	$93,100	
Importance Code B	$98,800	
Total	**$191,900**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$8,700		$600	
Interior Architecture	$38,300		$1,700	
Electrical	$2,100		$100	
Mechanical	$3,600	$900	$1,200	$900
Site Pavements	$4,600			
Total	**$57,200**	**$900**	**$3,700**	**$900**
Importance Code A	$9,400	$600	$1,200	$600
Importance Code B	$16,500	$300	$1,800	$300
Importance Code C	$31,400		$700	
Total	**$57,200**	**$900**	**$3,700**	**$900**



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FIRE DEPARTMENT - 057
ENGINE CO. 221/LADDER CO. 104
Asset # : 13114

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	80%	0-2	$53,800	LIFE	* *	5	$16,700	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Paint Peeling, Extent : Moderate, Area Affected : 50%								
Location : Rear And Side Facades								
Masonry: Granite	2%	0-2	$1,100	LIFE	* *	5	$300	
Punct/Tear/Impact Damage, Extent : Light, Area Affected : 2%								
Location : Front Facade At Over Head Door And Driveway								
Masonry: Limestone	10%	2-4	$4,900	LIFE	* *	5	$1,600	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%								
Location : Front Facade								
Wood Overhead Doors	8%			2036	* *	5	$8,400	
Windows								
Aluminum	100%			2039	* *	5	$1,200	
Parapets								
Masonry: Brick	70%	0-2	$39,300	LIFE	* *	5	$1,600	
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 25%								
Location : Front Of Building								
Paint Peeling, Extent : Moderate, Area Affected : 100%								
Location : Interior Of Parapet								
Worn/Eroded, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Masonry: Limestone	10%			LIFE	* *	5-10	$2,800	
Metal Panel	5%			2051	* *	5	$400	
Other Observation, Extent : Light, Area Affected : 15%								
Location : Parapet At Front Of Building								
Explanation : Metal Cap On Top Of Limestone Parapet								
Slate	15%			LIFE	* *	5	$700	
Roof								
Modified Bitumen	98%			2036	* *	10	$8,900	
Skylight, Metal/Glass	2%			2041	* *	10	$600	
Corrosion/Rusting, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 221/LADDER CO. 104
Asset # : 13114

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	45%	Now	$45,800	LIFE	* *	5	$9,000	
Cracking/Crumbling, Extent : Severe, Area Affected : 40%								
Location : Throughout Steel Columns And Beams In Basement Are Shoring Up								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Apparatus Room								
Explanation : Steel Columns And Beams In Basement Are Shoring Up Floor								
Ceramic Tile	5%	Now	$200	2034	* *	5	$200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%								
Location : 2nd Floor Bathroom								
Quarry Tile	5%	0-2	$2,800	2044	* *	5	$300	
Broken/Missing Elements, Extent : Light, Area Affected : 15%								
Location : Kitchen								
Vinyl Tile	45%			2036	* *	3	$1,500	
Interior Walls								
Cast in Place Concrete	20%	0-2	$19,100	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Ceramic Tile	10%			2034	* *	5	$1,400	
Gypsum Board	15%			LIFE	* *	5-10	$3,600	
Masonry: Brick	15%			LIFE	* *	10	$600	
Plaster	30%	Now	$3,600	LIFE	* *	5	$1,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Roof Access, Wall Near Entrance, 2nd Floor Miscellaneous Areas								
Paint Peeling, Extent : Moderate, Area Affected : 20%								
Location : Roof Access, Second Floor								
SGFT/Glazed Masonry	10%	4+	$1,200	LIFE	* *			
Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%								
Location : Apparatus Floor								
Ceilings								
AcousTileSusp.Lay-In	10%			2044	* *	5	$1,000	
Exposed Concrete	15%	Now	$53,000	LIFE	* *	5	$200	
Exposed Reinforcement, Extent : Moderate, Area Affected : 15%								
Location : Cellar Under Apparatus Floor								
Spalling, Extent : Severe, Area Affected : 15%								
Location : Cellar Under Apparatus Floor								
Other Observation, Extent : Severe, Area Affected : 80%								
Location : Cellar								
Explanation : Structurally Insufficient And Supported By Temporary Steel Columns								
Plaster	75%			LIFE	* *	5-10	$13,300	
Site Enclosure								
Fence/Gates								
Chain Link	95%			2051	* *			
Iron Picket	5%			2066	* *			
Site Pavements								

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FIRE DEPARTMENT - 057
ENGINE CO. 221/LADDER CO. 104
Asset # : 13114

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								
On-Site Walkways								
Cast in Place Concrete	100%			2044	* *			
Parking/Driveway								
Cast in Place Concrete	100%	Now	$4,600	2051	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 40%								
Location : Front 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%			2041	* *	5		
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	
Raceway								
Conduit	100%			2041	* *	1		
Panelboards								
Fused Disc Sw	20%			2039	* *	5		
Molded Case Bkrs	80%			2039	* *	5	$100	
Wiring								
Thermoplastic	100%			2041	* *	1		
Motor Controllers								
Locally Mounted	100%			2029	$15,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Lighting								
Interior Lighting								
Fluorescent	100%			2031	$17,800	10	$5,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Egress Lighting								
Exit, Service	100%			2031	$700	1		
Exterior Lighting								
HID	20%			2031	$4,900	10		
No Component	80%							
Alarm								

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FIRE DEPARTMENT - 057
ENGINE CO. 221/LADDER CO. 104
Asset # : 13114

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
Alarm								
Security System								
No Component	90%							
Generic	10%	Now	$2,000	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		
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%			2048	* *	1	$6,100	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : 1 Unit In Basement								
Distribution								
Steam Piping/Pump	100%			2031	$27,100			
Terminal Devices								
Convector/Radiator	60%			2029	$19,700	1	$1,200	
Convector/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	$1,300	2031	$1,300	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	$2,600	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	30%			2036	* *	1	$600	
No Component	70%							
Heat Rejection								
Air Cooled Condenser Unit	30%			2036	* *	2	$1,300	
No Component	70%							
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. 221/LADDER CO. 104
Asset # : 13114

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%	0-2	$600	LIFE	* *	2-5	$700	
Damaged, Extent : Moderate, Area Affected : 50%								
Location : Apparatus Floor								
No Component	80%							
Exhaust Fans								
Roof	15%			2036	* *	2		
Wall Unit	20%			2026	$400	2		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Apparatus Floor.								
Explanation : 1 Unit								
No Component	65%							
Plumbing								
H/C Water Piping								
Brass/Copper	10%	0-2	$200	2041	* *	1		
Not Insulated, Extent : Light, Area Affected : 100%								
Location : Hot Water Piping In Basement								
Brass/Copper	90%			2041	* *	1		
Water Heater								
Gas Fired	100%			2026	$3,700	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units At 74 Gallons								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	80%			LIFE	* *	1		
Cast Iron	20%	0-2	$100	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 30%								
Location : Basement								
Sump Pump(s)								
Submersible	100%	0-2	$200	2026	$200	4	$100	
Not in Service, Extent : Moderate, Area Affected : 100%								
Location : Basement								
On Extended Life, Extent : Moderate, Area Affected : 100%								
Location : Basement								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$49,600	$152,800
Interior Architecture		$37,500
Total	**$49,600**	**$190,300**
Importance Code A	$49,600	$152,800
Importance Code B		$37,500
Total	**$49,600**	**$190,300**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$31,800		$1,100	
Interior Architecture	$57,700		$700	$500
Electrical	$100	$100	$200	$100
Mechanical	$8,500	$800	$1,000	$400
Site Enclosure	$15,200			
Total	**$113,300**	**$900**	**$3,000**	**$1,000**
Importance Code A	$31,800		$1,100	
Importance Code B	$57,800	$900	$1,200	$1,000
Importance Code C	$23,700		$700	
Total	**$113,300**	**$900**	**$3,000**	**$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. 222/BATTALION 37/ COMBINED FACILITY 81ST PCT

Asset # : 13115

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	50%			LIFE	* *	5	$10,600	
Metal Sect. OHD	10%			2036	* *	5	$3,300	
Pre-Cast Concrete	40%			LIFE	* *	5	$27,500	
Windows								
Aluminum	100%	Now	$49,600	2056	* *	5	$600	
Air Infiltration, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Corrosion/Rusting, Extent : Severe, Area Affected : 60%								
Location : Window Lintels At Multiple Unit Windows								
Parapets								
Metal: Cage/Fence	10%	Now	$700	2036	* *	5	$400	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Rear Parapet								
Pre-Cast Concrete	20%			LIFE	* *	5	$3,000	
Stucco Cement	70%			2029	$22,600	5	$2,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Upper Roof								
Explanation : Stucco Parged Over Brick								
Roof								
Built-Up (BUR)	100%			2026	$152,800	10	$10,500	
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	* *	5	$27,100	
Mosaic Tile	10%	Now	$8,800	2036	* *	5	$1,700	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Bathrooms								
Terrazzo	15%	4+	$10,300	LIFE	* *	5	$1,600	
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : Stairwell								
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Stairwell And Kitchen								
Vinyl Tile	30%	2-4	$7,500	2031	$37,500	3	$1,600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : 2nd Floor Lockers And Weight Room								
Worn/Eroded, Extent : Light, Area Affected : 40%								
Location : Throughout 2nd Floor								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance $ are aggregated over a ten-year period. Site specific 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		
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	
Recent Repair Evident, Extent : Light, Area Affected : 10%								
Location : 1st Floor								
Gypsum Board	10%			LIFE	* *	5-10	$2,500	
Plaster	25%	Now	$3,100	LIFE	* *	5	$1,100	
Spalling, Extent : Severe, Area Affected : 15%								
Location : 2nd Floor Weight Room, Corridor By Suana								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : 2nd Floor Weight Room								
Plywood/Hardboard	5%			LIFE	* *	10	$100	
SGFT/Glazed Masonry	50%			LIFE	* *	10	$3,700	
Ceilings								
AcousTileSusp.Lay-In	45%	4+	$2,100	2036	* *	5	$2,400	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Throughout								
Staining/Discoloring, Extent : Light, Area Affected : 15%								
Location : Kitchen And Offices								
Exposed Concrete	40%			LIFE	* *	5-10	$5,300	
Gypsum Board	5%			LIFE	* *	5-10	$1,800	
Plaster	10%			LIFE	* *	5-10	$1,800	
Paint Peeling, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Site Enclosure								
Fence/Gates								
Chain Link	50%	2-4	$5,600	2041	* *			
Corrosion/Rusting, Extent : Light, Area Affected : 10%								
Location : Side Rear Yard								
Impact Damage, Extent : Moderate, Area Affected : 5%								
Location : Side Rear Yard Entry								
Other Observation, Extent : Light, Area Affected : 50%								
Location : Side Rear Yard								
Explanation : Chain Link Fence Ontop Of Masonry Brick Wall, Vegetation Growth On Chain Link Fence								
Masonry: Brick	50%	2-4	$3,000	2041	* *			
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
Location : Side Rear Yard								
Free Standing Walls								
Masonry: Brick	100%	2-4	$6,600	2041	* *			
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
Location : Rear Yard								
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		
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%			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	$15,400	5	$100	
Lighting								
Interior Lighting								
Fluorescent	95%			2031	$25,300	10	$8,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Incandescent	5%			2026	$3,200	2		
Egress Lighting								
Exit, Service	100%			2031	$1,100	1		
Exterior Lighting								
LED	30%			2039	* *			
No Component	70%							
Alarm								
Security System								
No Component	80%							
Generic	20%			2039	* *	1	$700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Perimeter								
Explanation : Cctv Surveillance Cameras								

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%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Heating Hot Water Provided By Next Portion Of The Building								
Conversion Equipment								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Heating Hot Water Provided By Next Portion Of The Building								
Distribution								
Hot Wtr Piping/Pump	100%			2039	* *	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. 222/BATTALION 37/ COMBINED FACILITY 81ST PCT

Asset # : 13115

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								
Convector/Radiator	70%			2029	$34,500	1	$2,100	
Unit Heater - Hot Water	30%	Now	$2,100	2026	$10,300			
Not in Service, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Floor								
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Split Unit	10%			2036	* *			
Window/Wall Unit	50%			2026	$9,600	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	$4,900	
No Component	40%							
Exhaust Fans								
Roof	10%	0-2	$300	2036	* *	2		
Dented, Extent : Moderate, Area Affected : 30%								
Location : Roof Kitchen Fan								
Roof	50%			2036	* *	2	$100	
Wall Unit	10%			2026	$300	2		
No Component	30%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Electric	100%			2026	$8,100	4	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Two 120 Gallon Units								
Sanitary Piping								
Cast Iron	100%	0-2	$3,400	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Floor								
Storm Drain Piping								
Cast Iron	100%	0-2	$400	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 5%								
Location : Rear Yard								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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								
Not Accessible	100%							
Fixtures								
Generic	100%							
Fire Suppression								
Standpipe								
Generic	100%			2041	* *	1-5	$4,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Stair								
Explanation : Connections At 1st And 2nd Floors								
Chemical System								
No Component	99%							
Generic	1%			2026	$300	1-3		
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$62,900	$78,000
Interior Architecture	$153,500	
Electrical		$83,500
Total	**$216,400**	**$161,600**
Importance Code A	$62,900	$78,000
Importance Code B	$153,500	$83,500
Total	**$216,400**	**$161,600**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$53,900			
Interior Architecture	$13,100		$900	$300
Electrical	$9,400			$100
Mechanical	$7,700	$700	$1,000	$700
Total	**$84,100**	**$700**	**$2,000**	**$1,100**
Importance Code A	$54,400	$500	$500	$500
Importance Code B	$22,200	$200	$1,000	$500
Importance Code C	$7,400		$500	
Total	**$84,100**	**$700**	**$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. 224
Asset # : 13116

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	60%			LIFE	* *	5	$32,000	
Masonry: Granite	5%	4+	$3,700	LIFE	* *	5	$1,000	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%								
Location : Throughout								
Masonry: Limestone	10%	4+	$7,500	LIFE	* *	5	$2,000	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%								
Location : Throughout								
Masonry: Limestone	20%			LIFE	* *	5	$8,000	
Wood Overhead Doors	5%			2036	* *	5	$6,700	
Windows								
Aluminum	100%	Now	$62,900	2056	* *	5	$600	
Air Infiltration, Extent : Severe, Area Affected : 20%								
Location : Second And Third Floor								
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 80%								
Location : Thoughout								
Hardware Missing, Extent : Severe, Area Affected : 10%								
Location : Throughout								
Parapets								
Masonry: Brick	85%	4+	$2,600	LIFE	* *	5	$1,900	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%								
Location : Throughout								
Pre-Cast Concrete	15%	4+	$300	LIFE	* *	5	$2,100	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%								
Location : Throughout								
Roof								
Copper/Terne	15%			2046	* *	10	$2,300	
Modified Bitumen	80%	2-4	$3,900	2031	$78,000			
Blisters, Extent : Light, Area Affected : 5%								
Location : Roof								
Skylight, Metal/Glass	5%	2-4	$15,900	2051	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 10%								
Location : Roof Skylight								
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		
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	$52,300	LIFE	* *	5	$7,600	
Cracking/Crumbling, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Other Observation, Extent : Moderate, Area Affected : 50%								
Location : Apparatus Floor								
Explanation : Slab Is Structurally Insufficent To Carry Current Loads								
Ceramic Tile	10%			2034	* *	5	$900	
Quarry Tile	5%			2036	* *	5	$700	
Vinyl Tile	25%	0-2	$1,100	2031	$21,400	3	$800	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Stair								
Wood	20%	2-4	$1,300	2046	* *	5	$1,600	
Deteriorated Finish, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Interior Walls								
Ceramic Tile	8%			2034	* *	5	$1,000	
Concrete Masonry Unit	5%			LIFE	* *	5	$500	
Gypsum Board	5%			LIFE	* *	5-10	$1,000	
Masonry: Brick	18%	4+	$1,900	LIFE	* *			
Vertical Cracks, Extent : Light, Area Affected : 2%								
Location : Cellar								
Water Penetration, Extent : Light, Area Affected : 5%								
Location : Cellar								
Masonry: Fieldstone	5%	4+	$2,300	LIFE	* *			
Other Observation, Extent : Severe, Area Affected : 20%								
Location : Cellar Foundation Wall Adjacent To Stairwell								
Explanation : Eroded Mortar Joints								
Plaster	34%	4+	$800	LIFE	* *	5	$1,200	
Paint Peeling, Extent : Light, Area Affected : 5%								
Location : Stairwell								
SGFT/Glazed Masonry	25%			LIFE	* *	10	$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. 224
Asset # : 13116

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	5%			2036	* *	5	$400	
Embossed Metal	65%	4+	$2,300	LIFE	* *	5	$2,500	
Paint Peeling, Extent : Light, Area Affected : 5%								
Location : 2nd And 3rd Floor								
Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%								
Location : 2nd Floor Gymnasium Area								
Exposed Concrete	25%	Now	$101,200	LIFE	* *	5	$300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 40%								
Location : Throughout Cellar								
Exposed Reinforcement, Extent : Moderate, Area Affected : 15%								
Location : Cellar								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Basemant Bilco Door								
Gypsum Board	5%			LIFE	* *	5-10	$1,500	
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		
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	$5,600	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	$56,700	5	$100	
Raceway								
Conduit	90%			2041	* *	1		
Conduit	10%	0-2	$3,600	2061	* *	1		
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Panelboards								
Fused Disc Sw	20%			2030	$8,900	5		
Molded Case Bkrs	60%			2030	$26,800	5	$100	
Molded Case Bkrs	20%			2039	* *	5		
Wiring								
Thermoplastic	100%			2031	$32,200	1		
Motor Controllers								
Locally Mounted	100%			2029	$16,700	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. 224
Asset # : 13116

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
Ground								
Grounding Devices								
Generic	100%	0-2	$1,100	LIFE	* *	5	$100	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Water Main In Basement								
Explanation : Corroded								
Lighting								
Interior Lighting								
Fluorescent	95%			2026	$15,900	10	$4,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : T-8 Lamps								
LED	5%			2039	* *			
Exterior Lighting								
HID	5%			2026	$1,200	10		
No Component	95%							

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%			2041	* *	1		
Conversion Equipment								
Steam Boiler	100%			2044	* *	1	$5,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Natural Gas Fired Steam Boiler								
Distribution								
Steam Piping/Pump	100%			2041	* *			
Terminal Devices								
Convector/Radiator	100%			2029	$31,000	1	$1,700	
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Window/Wall Unit	40%	0-2	$1,000	2029	$4,800	1		
Not in Service, Extent : Moderate, Area Affected : 15%								
Location : 2nd Floor								
No Component	60%							
Ventilation								
Distribution								
Ductwork/Diffusers	5%	4+	$2,700	LIFE	* *	2-5	$200	
Corroded, Extent : Moderate, Area Affected : 30%								
Location : Kitchen Hood Duct								
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. 224
Asset # : 13116

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								
Roof	15%			2031	$1,400	2		
No Component	85%							
Plumbing								
H/C Water Piping								
Brass/Copper	80%			2041	* *	1		
Galvanized Steel	20%	0-2	$1,000	2029	$5,100	1		
Corroded, Extent : Moderate, Area Affected : 20%								
Location : Water Main Valve, Basement								
Water Heater								
Gas Fired	100%			2029	$3,500	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%	0-2	$2,100	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : Front Side Of Basement And 2nd Floor Office Restroom								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$200	4	$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2024	$300	1-3		
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$91,700	$169,100
Mechanical		$26,700
Total	**$91,700**	**$195,900**
Importance Code A	$91,700	$169,100
Importance Code B		$26,700
Total	**$91,700**	**$195,900**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$75,200			
Interior Architecture	$50,800		$1,000	
Electrical	$900	$600	$2,400	$600
Mechanical	$4,300	$900	$6,700	$700
Site Pavements	$1,400			
Total	**$132,500**	**$1,500**	**$10,100**	**$1,300**
Importance Code A	$75,600	$400	$400	$400
Importance Code B	$30,100	$1,000	$9,700	$800
Importance Code C	$26,800			
Total	**$132,500**	**$1,500**	**$10,100**	**$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. 225 / LADDER 107 / BATTALION 39
Asset # : 13117

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	5%	Now	$28,400	LIFE	* *	5	$900	
Corrosion/Rusting, Extent : Severe, Area Affected : 10%								
Location : Steel Cap At Chimney								
Cracking/Crumbling, Extent : Severe, Area Affected : 50%								
Location : Vertical And Horizontal Cracks On Chimney At Roof								
Masonry: Brick Cavity	55%	4+	$7,800	LIFE	* *	5	$9,700	
Graffiti, Extent : Light, Area Affected : 10%								
Location : Rear Facade								
Metal Sect. OHD	10%			2036	* *	5	$5,500	
Stucco Cement	30%	4+	$3,300	2044	* *	5	$6,600	
Broken/Missing Elements, Extent : Light, Area Affected : 1%								
Location : Exterior Soffit At Side Entrance Of Building								
Windows								
Aluminum	100%	Now	$91,700	2056	* *	5	$1,000	
Air Infiltration, Extent : Moderate, Area Affected : 75%								
Location : Throughout								
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Hardware Missing, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Explanation : Thermally Inefficient								
Parapets								
Metal Panel	10%			2041	* *	5	$900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : At Roof Parapet								
Explanation : Metal Coping								
Metal Rail	60%	4+	$1,900	2036	* *	5	$9,600	
Deformed/Dented, Extent : Moderate, Area Affected : 5%								
Location : Front Of Building								
Stucco Cement	30%			2036	* *	5	$1,800	
Roof								
Modified Bitumen	100%	Now	$33,800	2031	$169,100			
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 5%								
Location : Chimney								
Patching Evident, Extent : Light, Area Affected : 10%								
Location : Main Roof								
Ponding, Extent : Moderate, Area Affected : 50%								
Location : Main Roof								
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		
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	$16,600	LIFE	* *	5	$16,300	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Apparatus Room								
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Room								
Worn/Eroded, Extent : Severe, Area Affected : 5%								
Location : Apparatus Room								
Ceramic Tile	10%			2034	* *	5	$1,200	
Terrazzo	5%			LIFE	* *	5	$1,000	
Vinyl Tile	25%			2036	* *	3	$1,200	
Interior Walls								
Cast in Place Concrete	10%			LIFE	* *	10	$4,800	
Ceramic Tile	10%	Now	$2,800	2034	* *	5	$1,000	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Kitchen								
Concrete Masonry Unit	5%			LIFE	* *	5	$800	
Masonry: Brick	2%			LIFE	* *	10	$100	
Plaster	35%	0-2	$11,600	LIFE	* *	5	$2,000	
Loose/Delam Surface, Extent : Severe, Area Affected : 10%								
Location : Stairwell								
Worn/Eroded, Extent : Severe, Area Affected : 20%								
Location : Stairwell								
SGFT/Glazed Masonry	35%			LIFE	* *	10	$3,400	
Wood	3%			LIFE	* *	5	$4,600	
Ceilings								
AcousTileSusp.Lay-In	5%			2036	* *	5	$600	
Exposed Concrete	20%	2-4	$1,700	LIFE	* *	5	$400	
Cracking/Crumbling, Extent : Light, Area Affected : 1%								
Location : Basement								
Plaster	75%	Now	$6,500	LIFE	* *	5	$5,800	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Gymnasium								
Patching Evident, Extent : Light, Area Affected : 5%								
Location : Stairwell Roof Hatch								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Duct Soffit In 2nd Floor Lounge And Chief Office								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2051	* *			
Site Pavements								
On-Site Walkways								
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. 225 / LADDER 107 / BATTALION 39
Asset # : 13117

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								
Asphalt	20%			2034	* *			
Cast in Place Concrete	80%	2-4	$1,400	2036	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 1%								
Location : Overhead Door Apron								

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%			2041	* *	5		
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	
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	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	* *	1	$2,600	
Generators								
Diesel	100%			2034	* *	1	$3,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Side Yard								
Explanation : 81 Kilovolt Amperes								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$300	

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FIRE DEPARTMENT - 057
ENGINE CO. 225 / LADDER 107 / BATTALION 39
Asset # : 13117

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
Stand-by Power								
Fuel Storage								
Day Tank	10%			2039	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Side Yard								
Explanation : 60 Gallons Rated Capacity								
Main Tank	90%			2046	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 550 Gallons Rated Capacity								
Lighting								
Interior Lighting								
LED	100%			2036	* *			
Egress Lighting								
Emergency, Service	50%			2031	$2,200	1		
Exit, Service	50%			2031	$500	1		
Exterior Lighting								
LED	30%			2036	* *			
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								
Energy Source								
Natural Gas	100%			2041	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2048	* *	1	$4,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 New Unit								
Distribution								
Hot Wtr Piping/Pump	100%			2039	* *	4	$600	
Terminal Devices								
Convector/Radiator	60%			2029	$26,700	1	$1,600	
Convector/Radiator	20%			2044	* *	1	$500	
Unit Heater - Hot Water	20%			2026	$6,200			
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		

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*** 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

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								
Conversion Equipment								
Exterior Pkg Unit - Cooling	15%	Now	$1,000	2026	$10,100	2	$100	
Leak Evident, Extent : Severe, Area Affected : 5%								
Location : Condensate Leaking To 2nd Floor								
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : 1 Unit On Roof								
Window/Wall Unit	20%			2024	$3,500	1		
Window/Wall Unit	25%			2029	$4,300	1		
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	25%	2-4	$1,000	LIFE	* *	2-5	$1,200	
Corroded, Extent : Moderate, Area Affected : 15%								
Location : Kitchen Hood Exhaust Duct								
No Component	75%							
Exhaust Fans								
Roof	15%			2039	* *	2		
Roof	10%			2031	$1,400	2		
Wall Unit	50%	0-2	$1,500	2041	* *	2	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : 2 Units, On Extended Life Time								
No Component	25%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2029	$5,100	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 74 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	70%			2026		4		
Submersible	30%	0-2	$200	2024	$2,100	4		
Not in Service, Extent : Moderate, Area Affected : 30%								
Location : Gymnasium In Basement								
Backflow Preventer								
No Component	95%							
Generic	5%			2036	* *	1		
Fixtures								
Generic	100%							
Fire Suppression								

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*** 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

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%			2024	$300	1-3		

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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

Asset Name : **ENGINE CO. 226**
Address : **409 STATE STREET**
Borough : **BROOKLYN**
Program / Asset # : **FIRSECO.226 / 13118**
Area Sq Ft : **3,718**
Date of Survey : **19-Jun-2020**
Areas Surveyed : **Basement, Roof, Floors 1,2**
Block : **172** **Lot** : **48**

Agency's Number : **N/A**
Yr Built/Renovated : **1889 /**
Project Type : **FIRE DEPARTMENT**
Landmark Status : **NONE**
BIN : **3000562**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$83,400	
Interior Architecture	$120,800	
Total	**$204,200**	
Importance Code A	$83,400	
Importance Code B	$120,800	
Total	**$204,200**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$12,000		$3,600	
Interior Architecture	$26,600			$300
Electrical	$400	$300	$400	$1,900
Mechanical	$1,600	$500	$800	$500
Site Enclosure	$18,000			
Total	**$58,700**	**$800**	**$4,800**	**$2,700**
Importance Code A	$12,400	$400	$4,000	$400
Importance Code B	$18,500	$400	$800	$2,300
Importance Code C	$27,800			
Total	**$58,700**	**$800**	**$4,800**	**$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
ENGINE CO. 226
Asset # : 13118

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	80%	Now	$83,400	LIFE	* *	5	$12,900	1
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : North Facade								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : North Facade								
Painted Surfaces, Extent : Moderate, Area Affected : 25%								
Location : South Facade								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Foundation								
Masonry: Limestone	10%			LIFE	* *	5	$2,400	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Cornice At South Facade								
Explanation : Painted Surface								
Wood Overhead Doors	10%			2036	* *	5	$8,100	
Windows								
Aluminum	100%	4+	$4,400	2039	* *	5	$500	
Broken/Missing Elements, Extent : Light, Area Affected : 50%								
Location : Throughout								
Parapets								
Masonry: Brick	50%			LIFE	* *	5-10	$6,100	
Metal Panel	25%			2051	* *	5	$1,700	
Metal Rail	20%			2036	* *	5-10	$6,400	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : South Parapet								
Explanation : Ornamental Cast Iron								
Pre-Cast Concrete	5%			LIFE	* *	5	$1,100	
Roof								
Modified Bitumen	85%			2036	* *	10	$4,700	
Roll Roofing	15%			2024	$3,600	5	$1,400	
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : Over Kitchen								
Interior								
Floors								
Cast in Place Concrete	45%	Now	$35,500	LIFE	* *	5	$5,600	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : Apparatus Floor Supported By Temporary Columns								
Mosaic Tile	10%			2036	* *	5	$1,400	
Vinyl Tile	45%	2-4	$13,900	2031	$23,200	3	$1,000	
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : 2nd Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : 2nd Floor								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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								
Masonry: Brick	10%	4+	$3,300	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Plaster	80%			LIFE	* *	5-10	$5,300	
Wood	10%			LIFE	* *	5	$6,200	
Ceilings								
AcousTileSusp.Lay-In	10%	4+	$1,500	2036	* *	5	$300	
Staining/Discoloring, Extent : Moderate, Area Affected : 15%								
Location : Bunkroom And Office								
Worn/Eroded, Extent : Moderate, Area Affected : 15%								
Location : Bunkroom And Office								
Embossed Metal	55%			LIFE	* *	5	$2,800	
Paint Peeling, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Exposed Concrete	35%	Now	$85,400	LIFE	* *	5	$300	
Corrosion/Rusting, Extent : Moderate, Area Affected : 25%								
Location : Steel Beams								
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Basement								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Slab								
Explanation : Support Of Apparatus Floor Is Reinforced With Lally Columns								
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%	Now	$18,000	2041	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 25%								
Location : Rear Yard								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 25%								
Location : Rear Yard								
Other Observation, Extent : Severe, Area Affected : 20%								
Location : Rear Yard								
Explanation : Vertical Cracking								
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	100%			2036	* *			

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		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Main Service Disconnect Switch Rated At 200 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. 226
Asset # : 13118

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								
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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Backyard								
Explanation : Emergency Generator Rated At 60 Kilowatts								
Batteries								
Lead/Acid	100%			2025	$1,600	5	$100	
Fuel Storage								
Main Tank	100%			2059	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Backyard								
Explanation : 50 Gallons Rated Capacity								
Lighting								
Interior Lighting								
Fluorescent	94%			2036	* *	10	$3,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Fluorescent	3%			2036	* *	10	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Compact Fluorescent Lights								
LED	3%			2039	* *			
Egress Lighting								
Emergency, Service	100%			2036	* *	1		
Exterior Lighting								
HID	20%			2036	* *	10		
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. 226
Asset # : 13118

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
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 Camera								

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%			2041	* *	1		
Recent Replace Evident, Extent : Light, 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	$16,400			
Terminal Devices								
Convector/Radiator	100%			2029	$19,900	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	$1,500	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2036	* *	1	$100	
No Component	90%							
Heat Rejection								
Air Cooled Condenser Unit	10%			2036	* *	2	$300	
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	$2,600	
No Component	20%							
Exhaust Fans								
Roof	50%			2036	* *	2	$100	
Wall Unit	10%			2036	* *	2		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen Hood								
Explanation : 1 Set								
No Component	40%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Apparatus Floor								
Explanation : No Exhaust Fan, Poor Air Circulation.								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2029	$2,300	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 74 Gallon								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	95%			LIFE	* *	1		
Cast Iron	5%	0-2	$100	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 20%								
Location : Roof								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **18-Apr-2016**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2,3**		
Block	: **1445** **Lot** : **2**	**BIN**	: **3038838**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$167,900	$65,100
Interior Architecture	$114,300	
Mechanical	$95,300	$142,800
Total	**$377,500**	**$207,900**
Importance Code A	$222,600	$65,100
Importance Code B	$155,000	$142,800
Total	**$377,500**	**$207,900**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$30,100			$200
Interior Architecture	$71,500	$200		
Electrical	$33,500			$15,400
Mechanical	$67,600	$1,200	$1,100	$9,100
Site Enclosure	$10,500			
Site Pavements	$1,900			
Total	**$215,100**	**$1,400**	**$1,100**	**$24,800**
Importance Code A	$36,100	$800	$800	$1,000
Importance Code B	$163,900	$600	$300	$23,800
Importance Code C	$15,100			
Total	**$215,100**	**$1,400**	**$1,100**	**$24,800**



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. 227
Asset # : 13119

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	80%	0-2	$70,400	LIFE	* *	5	$7,300	
Diagonal Cracks, Extent : Light, Area Affected : 2%								
Location : 3rd Floor Rear Wall								
Painted Surfaces, Extent : Moderate, Area Affected : 80%								
Location : Throughout Except Front Facade								
Spalling, Extent : Moderate, Area Affected : 20%								
Location : Left Facade And Throughout Upper Parts Of Wall Except Front Facade								
Vertical Cracks, Extent : Moderate, Area Affected : 1%								
Location : Left Side Front Corner								
Masonry: Granite	2%			LIFE	* *	5	$100	
Masonry: Limestone	10%	0-2	$21,200	LIFE	* *	5	$700	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Front Facade								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Throughout Limestone								
Metal Sect. OHD	8%	Now	$1,200	2040	* *	5	$1,100	
Other Observation, Extent : Severe, Area Affected : 2%								
Location : Base Of Ohd Frame								
Explanation : Frame Is Deteriorated/rusted At Base.								
Windows								
Aluminum	85%			2026	$11,400	5	$300	
Steel	15%	0-2	$2,500	2052	* *	5	$300	
Corrosion/Rusting, Extent : Severe, Area Affected : 100%								
Location : Lintels At 1st, 2nd And 3rd Floor Rear Windows								
Parapets								
Cast Stone/Terra Cotta	10%	Now	$1,600	LIFE	* *	5	$300	1
Broken/Missing Elements, Extent : Severe, Area Affected : 20%								
Location : Cornice								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 80%								
Location : Cornice								
Caulking Deteriorated, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Masonry: Brick	75%	0-2	$3,600	LIFE	* *	5	$300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Metal Cornice	15%			2055	* *	10	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : At Parapet								
Explanation : Metal Coping								

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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		
System / Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Built-Up (BUR)	60%	Now	$97,600	2037	* *			1
Blisters, Extent : Severe, Area Affected : 25%								
Location : Throughout								
Water Penetration, Extent : Severe, Area Affected : 25%								
Location : Front Portion Of Roof								
Worn/Eroded, Extent : Severe, Area Affected : 100%								
Location : Entire Built-Up Roof								
Modified Bitumen	40%			2027	$65,100	10	$4,500	
Interior								
Floors								
Cast in Place Concrete	50%	Now	$42,600	LIFE	* *	5	$14,000	
Other Observation, Extent : Severe, Area Affected : 80%								
Location : Apparatus Floor								
Explanation : Structurally Insufficient, Major Rusting At Temporary Support Column Bases In Cellar								
Ceramic Tile	10%			2036	* *	5	$1,300	
Vinyl Tile	15%			2035	* *	3	$700	
Wood	25%	2-4	$22,500	2042	* *	5	$3,000	
Worn/Eroded, Extent : Moderate, Area Affected : 80%								
Location : Stairwell, Third Floor Lounge								
Interior Walls								
Ceramic Tile	30%	4+	$3,300	2030	$33,100	5	$600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Apparatus And Stairwell								
Masonry: Brick	20%			LIFE	* *			
Paint Peeling, Extent : Severe, Area Affected : 90%								
Location : Cellar								
Plaster	20%	Now	$1,300	LIFE	* *	5	$200	
Spalling, Extent : Severe, Area Affected : 5%								
Location : 2nd Floor Hallway								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : 2nd Floor Hallway								
SGFT/Glazed Masonry	15%			LIFE	* *			
Wood	15%			LIFE	* *	5	$2,200	

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. 227
Asset # : 13119

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	5%			2032	* *	5	$700	
Embossed Metal	20%	0-2	$10,100	LIFE	* *	5	$1,200	
Worn/Eroded, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Floor								
Exposed Concrete	25%	Now	$69,400	LIFE	* *	5	$500	
Cracking/Crumbling, Extent : Severe, Area Affected : 50%								
Location : Cellar								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Cellar At Areaway Hatch								
Other Observation, Extent : Severe, Area Affected : 75%								
Location : Cellar								
Explanation : Structurally Insufficient								
Exposed Concrete	5%	Now	$2,300	LIFE	* *	5	$100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : 1st Floor Ceiling At Storehouse Side								
Plaster	45%	Now	$34,000	LIFE	* *	5	$3,800	
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Paint Peeling, Extent : Moderate, Area Affected : 10%								
Location : 3rd Floor Lounge And 2nd Floor Bunkroom								
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%	Now	$10,500	2037	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 40%								
Location : Back Yard								
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Back Yard								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 35%								
Location : Back Yard								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	$1,900	2032	* *			
Other Observation, Extent : Light, Area Affected : 1%								
Location : Apron At Overhead Door Entrance								
Explanation : Minor Spall								

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.
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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

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%	Now	$5,200	2057	* *	5		
Enclosure Corroded, Extent : Severe, Area Affected : 100%								
Location : Basement								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Basement								
Explanation : Severe Water Damage								
Raceway								
Conduit	100%			2037	* *	1		
Panelboards								
Molded Case Bkrs	50%	Now	$8,200	2052	* *	5	$100	
Enclosure Corroded, Extent : Severe, Area Affected : 100%								
Location : Basement								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Basement								
Explanation : Severe Water Damage								
Molded Case Bkrs	50%			2035	* *	5	$100	
Wiring								
Rubber	50%			2035	* *	1		
Thermoplastic	50%			2047	* *	1		
Motor Controllers								
Locally Mounted	100%			2025	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
Incandescent	5%			2022	$2,900	2		
LED	95%			2032	* *			
Egress Lighting								
Emergency, Service	50%			2022	$2,200	1		
Exit, Service	50%			2022	$500	1		
Exterior Lighting								
HID	50%			2032	* *	10		
Incandescent	50%			2022	$14,400	2		

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	50%			2047	* *	1		
Natural Gas	50%	4+	$300	2037	* *	1		
Corroded, Extent : Light, Area Affected : 100%								
Location : Basement								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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	100%			2025	$54,600	1	$8,400	
Distribution								
Central Plant Steam Piping/Pmp	100%	4+	$14,300	2027	$142,800	4	$400	
Corroded, Extent : Light, Area Affected : 50%								
Location : Basement								
Terminal Devices								
Convector/Radiator	90%			2025	$40,700	1	$2,500	
Unit Heater - Steam	10%	Now	$3,000	2037	* *	4	$100	
Abandoned in Place, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor								
Air Conditioning								
Energy Source								
Electricity	100%			2043	* *	1		
Conversion Equipment								
Window/Wall Unit	100%			2022	$17,600	1		
Ventilation								
Exhaust Fans								
Interior	50%			2022	$15,000	2	$100	
Roof	50%			2027	$7,000	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	* *	1		
No Water Meter, Extent : Light, Area Affected : 100%								
Location : Basement								
Water Heater								
Gas Fired	100%			2025	$5,100	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 - 75 Gallon Unit								
Sanitary Piping								
Cast Iron	100%	4+	$12,400	LIFE	* *	1		
Corroded, Extent : Light, Area Affected : 100%								
Location : Basement								
Storm Drain Piping								
Cast Iron	100%	2-4	$3,500	LIFE	* *	1		
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Sump Pump(s)								
Submersible	100%			2022	$300	4	$300	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	10%			2025	$2,800	1-3	$500	
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.*

FIRE DEPARTMENT - 057
ENGINE CO. 227
Asset # : 13119

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$67,100
Electrical		$89,200
Total		**$156,300**
Importance Code A		$67,100
Importance Code B		$89,200
Total		**$156,300**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$114,900		$200	
Interior Architecture	$29,500		$400	$200
Electrical	$100			
Mechanical	$3,300	$300	$800	$300
Total	**$147,800**	**$300**	**$1,400**	**$600**
Importance Code A	$115,100	$200	$400	$200
Importance Code B	$10,100	$100	$600	$400
Importance Code C	$22,600		$400	
Total	**$147,800**	**$300**	**$1,400**	**$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. 228
Asset # : 13120

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	80%	0-2	$22,100	LIFE	* *	5	$13,700	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 10%								
Location : East, South And West Facades Along Top								
Masonry: Sandstone	10%	Now	$31,500	LIFE	* *	5	$1,300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Above Over Head Door								
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Over Head Door Surround								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
Location : Front Facade								
Spalling, Extent : Light, Area Affected : 15%								
Location : Top Of Front Facade								
Wood Overhead Doors	10%			2036	* *	5	$8,600	
Windows								
Aluminum	25%			2047	* *	5	$100	
Metal/Detention Type	25%	Now	$28,500	2061	* *	5	$200	
Air Infiltration, Extent : Severe, Area Affected : 100%								
Location : Clerestory Windows At Rear Of Building								
Corrosion/Rusting, Extent : Severe, Area Affected : 100%								
Location : Clerestory Windows At Rear Of Building								
Caulking Deteriorated, Extent : Severe, Area Affected : 100%								
Location : Clerestory Windows At Rear Of Building								
Water Penetration, Extent : Severe, Area Affected : 100%								
Location : Clerestory Windows At Rear Of Building								
Wood	50%	Now	$8,100	2056	* *	5	$1,300	
Air Infiltration, Extent : Moderate, Area Affected : 50%								
Location : 2nd Floor Gymnasium								
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%								
Location : 2nd Floor Gymnasium								
Paint Peeling, Extent : Light, Area Affected : 25%								
Location : 2nd Floor Gymnasium								
Parapets								
Masonry: Brick	40%			LIFE	* *	5-10	$3,200	
Masonry: Sandstone	15%			LIFE	* *	5-10	$2,100	
Metal Panel	45%			2041	* *	5	$2,000	

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FIRE DEPARTMENT - 057
ENGINE CO. 228
Asset # : 13120

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	20%			2034	* *	10	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Back Yard								
Explanation : Shed Roof								
Modified Bitumen	75%	Now	$20,100	2031	$67,100			
Drains Clogged, Extent : Severe, Area Affected : 100%								
Location : Upper And Lower Roof								
Vegetation Growth, Extent : Moderate, Area Affected : 30%								
Location : Lower Roof								
Water Penetration, Extent : Moderate, Area Affected : 30%								
Location : Lower Roof Into Kitchen								
Skylight, Metal/Glass	5%			2041	* *	10	$1,000	
Corrosion/Rusting, Extent : Light, Area Affected : 25%								
Location : Upper Roof								
Interior								
Floors								
Cast in Place Concrete	60%	0-2	$2,000	LIFE	* *	5	$7,800	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Apparatus Floor, Weight Room In Cellar								
Quarry Tile	15%			2036	* *	5	$1,300	
Vinyl Tile	25%			2031	$13,500	3	$700	
Interior Walls								
Ceramic Tile	10%			2034	* *	5	$800	
Gypsum Board	10%			LIFE	* *	5-10	$1,300	
Masonry: Brick	30%	Now	$19,600	LIFE	* *			
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 35%								
Location : Basement Throughout								
Paint Peeling, Extent : Moderate, Area Affected : 50%								
Location : Throughout Basement								
Water Penetration, Extent : Moderate, Area Affected : 25%								
Location : Basement At Front Of Building								
Plaster	50%			LIFE	* *	5-10	$3,300	
Ceilings								
Embossed Metal	35%	Now	$2,000	LIFE	* *	5	$900	
Deformed/Dented, Extent : Light, Area Affected : 20%								
Location : Throughout								
Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 1%								
Location : Kitchen Area Over Sink								
Water Penetration, Extent : Severe, Area Affected : 1%								
Location : Kitchen Area Over Sink								
Exposed Concrete	30%			LIFE	* *	5-10	$2,200	
Metal Panel	5%			LIFE	* *	5	$700	
Plaster	30%	Now	$500	LIFE	* *	5	$1,100	
Water Penetration, Extent : Light, Area Affected : 5%								
Location : 2nd Floor								

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FIRE DEPARTMENT - 057
ENGINE CO. 228
Asset # : 13120

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 Enclosure								
Fence/Gates								
Chain Link	100%			2041	* *			
Site Pavements								
Public Sidewalk								
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%			2031	$5,200	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	$52,200	5	$100	
Raceway								
Conduit	100%			2031	$33,500	1		
Panelboards								
Fused Disc Sw	10%			2030	$4,100	5		
Molded Case Bkrs	90%			2030	$37,000	5	$100	
Wiring								
Thermoplastic	100%			2031	$29,600	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		
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	$1,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								

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FIRE DEPARTMENT - 057
ENGINE CO. 228
Asset # : 13120

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%			2030	$5,500	4	$300	
Terminal Devices								
Convector/Radiator	100%			2029	$18,800	1	$1,100	
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Split Unit	15%			2036	* *			
Window/Wall Unit	20%	2-4	$1,500	2031	$1,500	1		
On Extended Life, Extent : Moderate, Area Affected : 100%								
Location : Various Locations								
Window/Wall Unit	20%			2026	$1,500	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	$300	
No Component	90%							
Exhaust Fans								
Interior	10%			2031	$1,300	2		
Wall Unit	25%	2-4	$300	2041	* *	2		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : On Extended Life Time								
No Component	65%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2029	$2,100	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units								
Sanitary Piping								
Cast Iron	100%	0-2	$500	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : Front Entrance								

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FIRE DEPARTMENT - 057
ENGINE CO. 228
Asset # : 13120

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								
Storm Drain Piping								
Cast Iron	100%	0-2	$400	LIFE	* *	1		
Leak Evident, Extent : Moderate, Area Affected : 5%								
Location : Kitchen Roof								
Sump Pump(s)								
Submersible	100%			2024	$100	4	$100	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2024	$300	1-3		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : 1 Set								

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$210,400
Interior Architecture	$332,700	$56,600
Electrical		$20,600
Mechanical		$80,000
Total	**$332,700**	**$367,500**
Importance Code A		$210,400
Importance Code B	$332,700	$157,100
Total	**$332,700**	**$367,500**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$60,200		$4,600	
Interior Architecture	$82,700		$1,400	$800
Electrical	$3,600		$100	$100
Mechanical	$17,400	$1,100	$4,200	$1,100
Site Enclosure	$4,500			
Total	**$168,400**	**$1,100**	**$10,300**	**$2,000**
Importance Code A	$61,100	$800	$5,400	$800
Importance Code B	$32,500	$300	$4,100	$1,200
Importance Code C	$74,900		$700	
Total	**$168,400**	**$1,100**	**$10,300**	**$2,000**



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FIRE DEPARTMENT - 057
ENGINE CO. 229/LADDER 146
Asset # : 13121

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	85%			LIFE	* *	5	$39,400	
Vegetation Growth, Extent : Light, Area Affected : 10%								
Location : West Facade								
Masonry: Granite	2%	0-2	$2,900	LIFE	* *	5	$300	
Broken/Missing Elements, Extent : Light, Area Affected : 1%								
Location : Front Facade								
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%								
Location : Front Facade								
Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 1%								
Location : Front Facade								
Masonry: Limestone	5%			LIFE	* *	5	$1,700	
Wood Overhead Doors	8%			2029	$62,700	5	$9,300	
Windows								
Aluminum	100%	Now	$2,000	2039	* *	5		
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : 1st, 2nd And 3rd Floor								
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%								
Location : 2nd And 3rd Floor								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	* *	5-10	$5,800	
Masonry: Brick	80%	4+	$1,000	LIFE	* *	5	$800	
Paint Peeling, Extent : Moderate, Area Affected : 10%								
Location : Front Parapet Wall And Lower Roof Parapet								
Vegetation Growth, Extent : Light, Area Affected : 10%								
Location : West Facade								
Roof								
Modified Bitumen	100%	Now	$29,500	2031	$147,700			
Blisters, Extent : Light, Area Affected : 5%								
Location : Main Roof And Roof Hatch								
Ponding, Extent : Moderate, Area Affected : 3%								
Location : 1st Floor Roof								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Above Kitchen								
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 229/LADDER 146
Asset # : 13121

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	40%	Now	$61,500	LIFE	* *	5	$12,100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Floor								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : Temporary Columns In Cellar								
Mosaic Tile	5%			2036	* *	5	$1,700	
Terrazzo	5%	Now	$6,900	LIFE	* *	5	$500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Stairs								
Vinyl Tile	45%			2031	$56,600	3	$3,100	
Wood	5%			2059	* *	5	$1,300	
Interior Walls								
Ceramic Tile	10%			2034	* *	5	$1,500	
Ceramic Tile	20%	4+	$26,400	2034	* *	5	$1,500	
Staining/Discoloring, Extent : Moderate, Area Affected : 75%								
Location : Apparatus Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 75%								
Location : Apparatus Floor								
Masonry: Brick	20%	Now	$24,800	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Plaster	50%	0-2	$19,200	LIFE	* *	5	$2,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Locker Room, 3rd Floor, Roof Scuttle, Stairwell								
Spalling, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Water Penetration, Extent : Light, Area Affected : 2%								
Location : Stairwell At Second Floor And Basement								
Worn/Eroded, Extent : Light, Area Affected : 100%								
Location : Throughout								

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FIRE DEPARTMENT - 057
ENGINE CO. 229/LADDER 146
Asset # : 13121

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	10%	2-4	$300	2044	* *	5	$800	
Broken/Missing Elements, Extent : Light, Area Affected : 1%								
Location : Office And Bunk Room								
Staining/Discoloring, Extent : Light, Area Affected : 1%								
Location : Office And Bunk Room								
Exposed Concrete	50%	Now	$271,200	LIFE	* *	5	$1,200	
Corrosion/Rusting, Extent : Severe, Area Affected : 30%								
Location : Steel Beams In Basement								
Exposed Reinforcement, Extent : Severe, Area Affected : 35%								
Location : Basement Steel Beams Exposed								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Cellar								
Explanation : Temporary Supports In Cellar								
Plaster	40%	4+	$4,400	LIFE	* *	5	$3,900	
Water Penetration, Extent : Light, Area Affected : 1%								
Location : Stairwell At Second Floor, And Kitchen Pantry								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	$4,500	2041	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 50%								
Location : Both Side Alley								
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : Both Side Alley								
Explanation : Leaning								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2036	* *			

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%			2041	* *	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%			2041	* *	5	$200	
Raceway								
Conduit	80%			2031	$26,800	1		
Conduit	20%			2041	* *	1		
Panelboards								
Molded Case Bkrs	50%			2030	$20,600	5	$100	
Molded Case Bkrs	50%			2039	* *	5	$100	

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FIRE DEPARTMENT - 057
ENGINE CO. 229/LADDER 146
Asset # : 13121

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								
Wiring								
Thermoplastic	100%			2041	* *	1		
Motor Controllers								
Locally Mounted	100%			2036	* *	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Lighting								
Interior Lighting								
Fluorescent	5%			2026	$1,200	10	$400	
Fluorescent	80%			2031	$19,000	10	$6,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st, 2nd , 3rd Floor								
Explanation : T-8 Lamps								
Fluorescent	13%	Now	$3,100	2041	* *			
Other Observation, Extent : Severe, Area Affected : 100%								
Location : 1st, 2nd, 3rd Floor								
Explanation : T-8 Lamps								
Not Functional								
Incandescent	2%			2026	$1,100	2		
Exterior Lighting								
HID	5%			2031	$1,700	10		
Incandescent	5%			2026	$1,400	2		
LED	5%			2039	* *			
No Component	85%							
Alarm								
Security System								
No Component	90%							
Generic	10%			2039	* *	1	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front Of The Building								
Explanation : Cctv Surveillance Cameras								

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%			2041	* *	1		
Conversion Equipment								
Steam Boiler	100%			2048	* *	1	$8,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								

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FIRE DEPARTMENT - 057
ENGINE CO. 229/LADDER 146
Asset # : 13121

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								
Steam Piping/Pump	100%	0-2	$1,800	2031	$36,200			
Corroded, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Insul. Deteriorating, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Terminal Devices								
Convector/Radiator	100%			2029	$43,800	1	$2,600	
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Split Unit	10%			2036	* *			
Window/Wall Unit	15%	0-2	$2,600	2031	$2,600	1		
Obsolete Equipment, Extent : Moderate, Area Affected : 100%								
Location : 2nd And 3rd Floors								
Window/Wall Unit	25%			2026	$4,300	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	$1,500	LIFE	* *	2-5	$900	
Abandoned in Place, Extent : Light, Area Affected : 40%								
Location : Apparatus Floor								
Needs Cleaning, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Floor								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : It Has Not Been Used Since The Exhaust Fan Being Removed.								
No Component	80%							
Exhaust Fans								
Wall Unit	15%			2031	$400	2		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen Hood								
Explanation : 1 Hood Exhaust								
Wall Unit	75%	Now	$2,200	2041	* *	2	$200	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : The Exhaust Fan Has Not Been Reinstalled Back To The Apparatus Floor Causing Air Circulation Issue.								
No Component	10%							

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FIRE DEPARTMENT - 057
ENGINE CO. 229/LADDER 146
Asset # : 13121

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%	0-2	$600	2041	* *	1		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : No Insulation								
Brass/Copper	80%			2041	* *	1		
Water Heater								
Gas Fired	50%	Now	$2,500	2031	$2,500	2		
On Extended Life, Extent : Severe, Area Affected : 100%								
Location : Cellar								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Cellar								
Explanation : 1 Of 2 Units Obsolete								
Gas Fired	50%			2024	$2,500	2	$100	
Sanitary Piping								
Cast Iron	10%	Now	$3,600	LIFE	* *	1		
Damaged, Extent : Severe, Area Affected : 100%								
Location : Causing Serious Flooding At The Back Yard.								
Cast Iron	90%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	80%			LIFE	* *	1		
Cast Iron	20%	2-4	$1,000	LIFE	* *	1		
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Sump Pump(s)								
Submersible	100%			2022	$300	4	$300	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2024	$300	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.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$440,800	
Electrical		$7,300
Mechanical	$35,600	$141,700
Total	**$476,400**	**$148,900**
Importance Code A	$440,800	
Importance Code B	$35,600	$148,900
Total	**$476,400**	**$148,900**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$62,400			
Interior Architecture	$48,900		$6,700	$200
Electrical	$300	$100		
Mechanical	$6,600	$800	$3,600	$900
Total	**$118,100**	**$900**	**$10,300**	**$1,200**
Importance Code A	$64,700	$500	$500	$500
Importance Code B	$19,400	$400	$9,200	$700
Importance Code C	$34,000		$600	
Total	**$118,100**	**$900**	**$10,300**	**$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.
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FIRE DEPARTMENT - 057
ENGINE CO. 23
Asset # : 13017

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	75%			LIFE	* *	5	$45,700	
Masonry: Limestone	15%	2-4	$321,700	LIFE	* *	5	$3,400	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Front Wall								
Wood Overhead Doors	10%	4+	$5,600	2044	* *	5	$7,600	
Other Observation, Extent : Severe, Area Affected : 5%								
Location : Apparatus Door								
Explanation : Air Infiltration At Base Of Door								
Windows								
Aluminum	50%	Now	$27,600	2056	* *	5	$300	
Air Infiltration, Extent : Severe, Area Affected : 50%								
Location : Windows Missing Gaskets, Rear Of Building								
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%								
Location : Rear Of Building								
Caulking Deteriorated, Extent : Moderate, Area Affected : 20%								
Location : Rear Of Building								
Wood	50%	Now	$1,900	2047	* *	5	$2,800	
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 10%								
Location : 3rd Floor Front Facade								
Glazing Broken/Cracked, Extent : Severe, Area Affected : 2%								
Location : Officer's Office								
Parapets								
Masonry: Limestone	20%			LIFE	* *	5-10	$4,900	
Metal Panel	20%			2051	* *	5	$1,600	
Slate	60%	Now	$119,100	LIFE	* *	5	$1,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Various Location On Coping Stones								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 100%								
Location : Caulk Joints Failing Throughout								
Miss/Damaged Copings, Extent : Severe, Area Affected : 75%								
Location : Copings Are Damaged And Not Level								
Roof								
Modified Bitumen	100%			2036	* *	10	$6,500	
Interior								
Floors								
Carpet	5%			2027	$7,000	3	$900	
Cast in Place Concrete	40%			LIFE	* *	5	$16,500	
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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Maintenance $ are aggregated over a ten-year period. Site specific 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		
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	$1,300	
Concrete Masonry Unit	10%			LIFE	* *	5	$1,000	
Gypsum Board	5%			LIFE	* *	5-10	$1,100	
Masonry: Brick	25%	0-2	$29,300	LIFE	* *			
Spalling, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Plaster	35%			LIFE	* *	5-10	$3,900	
SGFT/Glazed Masonry	15%			LIFE	* *	10	$1,000	
Ceilings								
AcousTileSusp.Lay-In	40%			2044	* *	5	$3,800	
Embossed Metal	20%			LIFE	* *	5	$1,700	
Exposed Concrete	20%			LIFE	* *	5-10	$2,400	
Exposed Struc: Steel	5%			LIFE	* *	10	$900	
Gypsum Board	10%			LIFE	* *	5-10	$3,200	
Plaster	5%			LIFE	* *	5-10	$800	
Paint Peeling, Extent : Severe, Area Affected : 30%								
Location : 3rd Floor Stair								
Site Pavements								
Public Sidewalk								
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%			2057	* *	5		
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		
Raceway								
Conduit	20%	Now	$100	2031	$7,300	1		
Covers Missing, Extent : Moderate, Area Affected : 100%								
Location : 3rd Floor Light Switches And Junction Boxes								
Conduit	80%			2057	* *	1		
Panelboards								
Fused Disc Sw	4%			2053	* *	5		
Fused Disc Sw	1%			2030	$400	5		
Molded Case Bkrs	95%			2053	* *	5	$200	
Wiring								
Thermoplastic	90%			2057	* *	1		
Thermoplastic	10%			2031	$3,200	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. 23
Asset # : 13017

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								
Motor Controllers								
Locally Mounted	30%			2048	* *	5		
Variable Frequency Drive	70%			2048	* *			
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Lighting								
Interior Lighting								
LED	100%			2039	* *			
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		
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	50%			2044	* *	1	$1,500	
Steam Boiler	50%	Now	$2,100	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 : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units								
Distribution								
Hot Wtr Piping/Pump	50%			2047	* *	4	$200	
Steam Piping/Pump	50%			2051	* *			
Terminal Devices								
Convector/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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*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 23
Asset # : 13017

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								
Conversion Equipment								
Split Unit	100%			2031	$141,700			
Distribution								
Ductwork/Diffusers	100%	Now	$35,600	LIFE	* *	2	$7,900	
Leak Evident, Extent : Moderate, Area Affected : 50%								
Location : Leaking Condensate From Diffuser Grid								
Heat Rejection								
Dry Cooler	100%			2036	* *	2	$4,300	
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2-5	$1,100	
No Component	80%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Basement								
Explanation : No Ventilation In Basement								
Exhaust Fans								
Interior	100%			2039	* *	2	$200	
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2048	* *	1		
Water Heater								
Gas Fired	100%			2029	$4,000	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 75 Gallon								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%	Now	$2,800	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 100%								
Location : Basement. Occasional Sewer Backups At Basement								
Sump Pump(s)								
Submersible	100%			2025	$200	4	$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	5%			2029	$1,500	1-3	$200	
Other Observation, Extent : Light, Area Affected : 5%								
Location : 1st Floor								
Explanation : Over Kitchen Hood								
No Component	95%							

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$46,300	$87,300
Interior Architecture	$212,000	
Electrical		$32,900
Total	**$258,300**	**$120,300**
Importance Code A	$46,300	$87,300
Importance Code B	$212,000	$32,900
Total	**$258,300**	**$120,300**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$15,700		$2,500	
Interior Architecture	$19,000		$600	$200
Electrical	$1,000			$100
Mechanical	$4,600	$700	$1,100	$700
Site Enclosure	$400			
Site Pavements	$3,700			
Total	**$44,300**	**$700**	**$4,200**	**$900**
Importance Code A	$16,100	$400	$2,900	$400
Importance Code B	$11,700	$300	$700	$500
Importance Code C	$16,500		$600	
Total	**$44,300**	**$700**	**$4,200**	**$900**



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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. 230
Asset # : 13122

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	90%	Now	$46,300	LIFE	* *	5	$14,400	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%								
Location : Hose Tower								
Water Penetration, Extent : Light, Area Affected : 20%								
Location : 2nd Floor Exercise Room								
Metal Sect. OHD	10%			2044	* *	5	$5,000	
Windows								
Aluminum	100%	Now	$700	2047	* *	5	$400	
Weather Strip Missing, Extent : Light, Area Affected : 5%								
Location : At Windows With Air Conditioning Units								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	* *	5-10	$2,900	
Masonry: Brick	40%			LIFE	* *	5-10	$1,400	
Metal Panel	40%			2041	* *	5	$800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Parapet Interior								
Explanation : Parapet Interior Brick Covered By Metal Panel								
Roof								
Built-Up (BUR)	95%	Now	$1,700	2031	$87,300			
Reflective Surface, Extent : Light, Area Affected : 100%								
Location : Roof								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Roof Above 2nd Floor Office								
Skylight, Metal/Glass	5%	4+	$10,000	2041	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 50%								
Location : Skylight								
Soffits								
Metal Panel	100%			2041	* *	5-10		
Interior								
Floors								
Cast in Place Concrete	60%	Now	$40,600	LIFE	* *	5	$8,000	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : Structurally Insufficient, Support With Temporary Columns								
Mosaic Tile	5%			2036	* *	5	$800	
Quarry Tile	5%			2036	* *	5	$500	
Terrazzo	5%			LIFE	* *	5	$500	
Vinyl Tile	25%	Now	$4,100	2031	$13,800	3	$600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor And Officer Office								
Worn/Eroded, Extent : Light, Area Affected : 50%								
Location : Throughout								

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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. 230
Asset # : 13122

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	30%	Now	$4,700	LIFE	* *			
Water Penetration, Extent : Light, Area Affected : 5%								
Location : Basement								
Ceramic Tile	10%			2034	* *	5	$1,200	
Plaster	30%	Now	$6,000	LIFE	* *	5	$1,000	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Paint Peeling, Extent : Light, Area Affected : 10%								
Location : 2nd Floor								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Office								
SGFT/Glazed Masonry	30%			LIFE	* *	10	$1,700	
Ceilings								
AcousTileSusp.Lay-In	15%	Now	$500	2036	* *	5	$600	
Broken/Missing Elements, Extent : Light, Area Affected : 2%								
Location : Basement								
Staining/Discoloring, Extent : Light, Area Affected : 10%								
Location : 2nd Floor Locker Room								
Exposed Concrete	59%	Now	$171,400	LIFE	* *	5	$800	
Paint Peeling, Extent : Moderate, Area Affected : 10%								
Location : Apparatus And Basement								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Basement								
Explanation : Apparatus Floor Supported By Temporary Columns								
Metal Panel	1%			LIFE	* *	5	$200	
Plaster	25%	Now	$1,500	LIFE	* *	5	$1,300	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Paint Peeling, Extent : Light, Area Affected : 5%								
Location : Bathroom								
Site Enclosure								
Fence/Gates								
Chain Link	100%	2-4	$400	2041	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 30%								
Location : Side Alley								
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		
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	$3,700	2036	* *			
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 : Light, Area Affected : 25%								
Location : Driveway								
Explanation : Asphalt Patching								

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	$5,200	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%			2057	* *	5	$100	
Raceway								
Conduit	80%			2031	$26,800	1		
Conduit	20%			2041	* *	1		
Panelboards								
Molded Case Bkrs	80%			2030	$32,900	5	$100	
Molded Case Bkrs	20%			2039	* *	5		
Wiring								
Thermoplastic	80%			2031	$23,700	1		
Thermoplastic	20%			2041	* *	1		
Motor Controllers								
Locally Mounted	100%			2029	$15,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
Fluorescent	20%			2026	$2,600	10	$800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : T-8 Lamps								
LED	80%			2039	* *			

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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

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								
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 Camera								

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%			2041	* *	1		
Conversion Equipment								
Steam Boiler	100%			2048	* *	1	$4,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Brand New Unit								
Distribution								
Steam Piping/Pump	100%			2041	* *			
Terminal Devices								
Convector/Radiator	100%			2036	* *	1	$1,500	
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Split Unit	10%			2031	$9,600			
Window/Wall Unit	45%			2026	$4,200	1		
No Component	45%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2031	$4,700	1	$200	
No Component	90%							
Heat Rejection								
Air Cooled Condenser Unit	10%			2031	$500	2	$300	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2-5	$800	
No Component	80%							

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Estimates are rounded to the nearest hundred dollars.
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FIRE DEPARTMENT - 057
ENGINE CO. 230
Asset # : 13122

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%	Now	$3,200	2041	* *	2		
Unit Inoperable, Extent : Severe, Area Affected : 100%								
Location : Apparatus Floor								
Wall Unit	15%			2031	$200	2		
No Component	65%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2029	$2,700	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%	0-2	$500	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 10%								
Location : Water Backs Up In Basement When It Rains								
Sump Pump(s)								
Submersible	100%			2024	$200	4	$100	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2024	$300	1-3		
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **08-Mar-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2,3**		
Block	: **3507** **Lot** : **5**	**BIN**	: **3000000**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$68,100	
Electrical	$39,100	$91,300
Mechanical		$164,200
Total	**$107,300**	**$255,400**
Importance Code A	$68,100	
Importance Code B	$39,100	$255,400
Total	**$107,300**	**$255,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$61,600		$5,100	
Interior Architecture	$29,700	$1,500	$500	$800
Electrical	$2,800	$800	$20,300	$700
Mechanical	$4,100	$1,600	$18,900	$1,900
Site Enclosure	$20,500			
Site Pavements	$1,300			
Total	**$120,000**	**$4,000**	**$44,800**	**$3,400**
Importance Code A	$62,600	$1,000	$6,100	$1,000
Importance Code B	$42,100	$2,100	$38,700	$2,400
Importance Code C	$15,300	$900		
Total	**$120,000**	**$4,000**	**$44,800**	**$3,400**



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FIRE DEPARTMENT - 057
ENGINE CO. 231/LADDER 120
Asset # : 13123

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	80%	Now	$68,100	LIFE	* *	5	$21,200	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 5%								
Location : South Facade								
Spalling, Extent : Moderate, Area Affected : 15%								
Location : South Facade								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : South Facade 2nd Floor								
Masonry: Granite	5%			LIFE	* *	5	$1,000	
Masonry: Limestone	8%	Now	$12,300	LIFE	* *	5	$1,600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Around Bay Doors								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Front Facade								
Wood Overhead Doors	7%			2034	* *	5	$9,300	
Windows								
Aluminum	100%	Now	$14,800	2045	* *	5	$300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%								
Location : 2nd Floor								
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5	$800	
Masonry: Brick	40%			LIFE	* *	5	$400	
Metal: Cage/Fence	10%			2042	* *	5-10	$700	
Stucco Cement	40%			2034	* *	5	$1,000	
Cracking/Crumbling, Extent : Light, Area Affected : 2%								
Location : Throughout Parapet								
Roof								
Modified Bitumen	40%	Now	$2,900	2034	* *			
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Above 2nd Floor								
Roll Roofing	60%			2022	$26,200	5	$9,900	
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 231/LADDER 120
Asset # : 13123

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	35%	Now	$2,400	LIFE	* *	5	$9,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : 1st Floor								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : 1st Floor Into Basement								
Ceramic Tile	10%			2038	* *	5	$1,200	
Sheet Vinyl/Rubber	5%			2034	* *	5	$900	
Vinyl Tile	50%	Now	$11,300	2034	* *	3	$2,300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Uneven Substrate, Extent : Moderate, Area Affected : 2%								
Location : 3rd Floor								
Interior Walls								
Ceramic Tile	10%			2038	* *	5	$1,800	
Concrete Masonry Unit	10%			LIFE	* *	5	$700	
Gypsum Board	10%			LIFE	* *	5	$1,100	
Repairs in Progress, Extent : Light, Area Affected : 5%								
Location : Basement								
Masonry: Brick	10%	Now	$3,800	LIFE	* *			
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Plaster	35%	Now	$2,700	LIFE	* *	5	$1,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Bunk Room								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Bunk Room								
SGFT/Glazed Masonry	20%	0-2	$7,500	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Truck Bay								
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		
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	$1,100	2042	* *	5	$600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Misaligned/Bulging, Extent : Moderate, Area Affected : 5%								
Location : Kitchen								
Staining/Discoloring, Extent : Moderate, Area Affected : 5%								
Location : Basement, Kitchen								
Embossed Metal	80%			LIFE	* *	5	$4,500	
Paint Peeling, Extent : Light, Area Affected : 10%								
Location : 1st And 2nd Floor								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor								
Exposed Concrete	10%	Now	$900	LIFE	* *	5	$200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	* *			
Retaining Walls								
Masonry: Brick	100%	Now	$20,500	2039	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Misaligned/Bulging, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%	4+	$1,300	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Rear Yard								
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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.
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FIRE DEPARTMENT - 057
ENGINE CO. 231/LADDER 120
Asset # : 13123

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%			2029	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Electrical Room								
Explanation : One 200 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Fused Disc Sw	100%			2029	$52,200	5		
Raceway								
Conduit	100%			2029	$33,500	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	95%			2028	$39,100	5	$200	
Wiring								
Thermoplastic	100%			2029	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2034	* *	1	$3,000	
Generators								
Diesel	100%			2032	* *	1	$3,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room Outside								
Explanation : One 60 Kilowatts/ 75 Kilovolt-ampere, 208V, 3 Phase								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$400	
Fuel Storage								
Day Tank	30%			2037	* *	5	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room Outside								
Explanation : One 125 Gallons								
Main Tank	70%			2044	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 550 Gallons								
Lighting								
Interior Lighting								
Fluorescent	30%			2024	$8,400	10	$2,700	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement, 3rd Floor Locker Room And Offices								
Fluorescent	68%			2034	* *	10	$6,100	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Incandescent	2%			2024	$1,300	2		

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FIRE DEPARTMENT - 057
ENGINE CO. 231/LADDER 120
Asset # : 13123

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								
Egress Lighting								
Emergency, Service	20%			2024	$1,000	1		
Emergency, Service	40%			2034	* *	1		
No Component	40%							
Exterior Lighting								
HID	100%			2024	$39,100	10		

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%			2049	* *	1		
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Total House								
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$9,600	
Distribution								
Central Plant Steam Piping/Pmp	100%			2029	$164,200	4	$500	
Terminal Devices								
Convector/Radiator	90%	Now	$2,300	2034	* *	1	$2,500	
Leak Evident, Extent : Severe, Area Affected : 100%								
Location : Basement								
Unit Heater - Steam	10%			2029	$3,500	4	$100	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	10%			2029	$7,900	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : Split Unit Serves Kitchen And Basement								
Window/Wall Unit	80%			2024	$16,200	1		
No Component	10%							
Heat Rejection								
Dry Cooler	10%			2034	* *	2	$700	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$5,400	
Exhaust Fans								
Interior	100%			2029	$34,500	2	$300	
Plumbing								

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FIRE DEPARTMENT - 057
ENGINE CO. 231/LADDER 120
Asset # : 13123

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%			2039	* *	1		
No Water Meter, Extent : Light, Area Affected : 100%								
Location : Basement								
Water Heater								
Gas Fired	100%			2027	$5,900	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 - 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$300	4	$300	
Sewage Ejector(s)								
Not Accessible	100%							
Backflow Preventer								
No Component	95%							
Generic	5%			2034	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Boiler Only								
Fixtures								
Generic	100%							
Obsolete Fixtures, Extent : Severe, Area Affected : 100%								
Location : Total House								
Fire Suppression								
Chemical System								
Generic	100%			2027	$27,900	1-3	$3,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Ansul System Serves Cooking Area								

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$267,200	$76,200
Interior Architecture		$81,500
Electrical		$163,600
Mechanical		$89,900
Total	**$267,200**	**$411,200**
Importance Code A	$267,200	$76,200
Importance Code B		$335,000
Total	**$267,200**	**$411,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$48,000		$1,400	
Interior Architecture	$97,500		$800	$1,100
Electrical	$11,900	$800	$2,600	$1,200
Mechanical	$24,200	$1,200	$2,000	$900
Site Enclosure	$3,800			
Site Pavements	$14,300			
Total	**$199,700**	**$2,000**	**$6,800**	**$3,300**
Importance Code A	$48,600	$600	$2,000	$600
Importance Code B	$93,400	$1,400	$4,500	$2,700
Importance Code C	$57,800		$400	
Total	**$199,700**	**$2,000**	**$6,800**	**$3,300**



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Estimates are rounded to the nearest hundred dollars.
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FIRE DEPARTMENT - 057
ENGINE CO. 233/LADDER CO. 176
Asset # : 13124

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								
Concrete Masonry Unit	45%	Now	$172,900	LIFE	* *	5	$6,100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Side Alley								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Entry Facade								
Misaligned/Bulging, Extent : Moderate, Area Affected : 15%								
Location : Above Overhead Doors In Main Facade								
Staining/Discoloring, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Vertical Cracks, Extent : Moderate, Area Affected : 20%								
Location : Street Facades And Side Lot Entrance								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : North Facade At 1st Floor Offices And Foundation Wall Below								
Metal Panel	10%	Now	$800	2041	* *	5	$4,100	
Deformed/Dented, Extent : Moderate, Area Affected : 20%								
Location : House Watch At Main Facade								
Metal Sect. OHD	10%			2036	* *	5	$6,800	
Pre-Cast Concrete	25%			LIFE	* *	5	$35,500	
Stucco Cement	5%			2044	* *	5	$2,700	
Window Wall	5%	Now	$56,100	2061	* *	5	$2,000	1
Broken/Missing Elements, Extent : Severe, Area Affected : 20%								
Location : House Watch In Main Entrance, 1st And 2nd Floor								
Glazing Broken/Cracked, Extent : Severe, Area Affected : 5%								
Location : House Watch								
Windows								
Aluminum	97%	Now	$24,700	2056	* *	5	$300	
Air Infiltration, Extent : Severe, Area Affected : 40%								
Location : Throughout								
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : 2nd Floor								
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Misaligned/Bulging, Extent : Moderate, Area Affected : 35%								
Location : Throughout								
Metal Louvers	3%			2040	* *	10	$100	
Parapets								
Cast in Place Concrete	45%			LIFE	* *	5	$7,700	
Concrete Masonry Unit	25%			LIFE	* *	5-10	$1,100	
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		
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	$38,100	2031	$76,200			
Alligatoring, Extent : Moderate, Area Affected : 20%								
Location : Lower Roofs								
Blisters, Extent : Moderate, Area Affected : 20%								
Location : Lower Roofs								
Debris Present, Extent : Light, Area Affected : 10%								
Location : Lower Roofs								
Seams Open/Split, Extent : Moderate, Area Affected : 20%								
Location : Lower Roofs								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Above Kitchen								
Worn/Eroded, Extent : Moderate, Area Affected : 20%								
Location : Lower Roofs								
Modified Bitumen	75%			2036	* *	10	$15,800	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Upper Roof								
Interior								
Floors								
Cast in Place Concrete	40%	2-4	$8,000	LIFE	* *	5	$15,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Various Locations In Apparatus Room								
Ceramic Tile	5%			2034	* *	5	$900	
Quarry Tile	5%			2036	* *	5	$1,300	
Vinyl Tile	50%	Now	$16,300	2031	$81,500	3	$3,400	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Sitting Area, Mezzanine Office And 2nd Floor Laundry Room								
Interior Walls								
Cast in Place Concrete	10%			LIFE	* *	10	$3,800	
Ceramic Tile	5%			2034	* *	5	$800	
Concrete Masonry Unit	45%	2-4	$32,100	LIFE	* *	5	$2,700	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Various Locations Throughout								
Vertical Cracks, Extent : Moderate, Area Affected : 5%								
Location : Stairwell, Bunk Room And Mezzanine Office								
Gypsum Board	10%			LIFE	* *	5-10	$2,600	
SGFT/Glazed Masonry	30%			LIFE	* *	10	$2,300	
Ceilings								
AcousTileSusp.Lay-In	15%	Now	$7,000	2036	* *	5	$1,300	
Staining/Discoloring, Extent : Moderate, Area Affected : 40%								
Location : Kitchen, Offices, And Sitting Room								
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : Kitchen								
Exposed Concrete	35%			LIFE	* *	5-10	$7,900	
Gypsum Board	50%			LIFE	* *	5-10	$30,900	
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.
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FIRE DEPARTMENT - 057
ENGINE CO. 233/LADDER CO. 176
Asset # : 13124

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 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	$3,800	2041	* *			
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
Location : Side Yard								
Spalling, Extent : Moderate, Area Affected : 5%								
Location : Top Of Gate Wall								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2036	* *			
Parking/Driveway								
Asphalt	100%	Now	$14,300	2034	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Parking Lot								
Misaligned/Bulging, Extent : Moderate, Area Affected : 25%								
Location : Driveway								
Ponding, Extent : Light, Area Affected : 10%								
Location : 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								
Molded Case Bkrs	100%			2031	$5,200	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : Main Service Disconnect Switch Rated At 800 Amperes.								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	$52,200	5	$300	
Raceway								
Conduit	100%			2031	$33,500	1		
Panelboards								
Molded Case Bkrs	100%			2030	$41,200	5	$300	
Wiring								
Thermoplastic	100%			2031	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2029	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%	0-2	$10,200	LIFE	* *	5	$200	
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Boiler Room								

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FIRE DEPARTMENT - 057
ENGINE CO. 233/LADDER CO. 176
Asset # : 13124

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
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	* *	1	$3,700	
Generators								
Diesel	100%			2027	$70,300	1	$4,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room								
Explanation : Emergency Generator Rated At 50 Kilowatts								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$400	
Fuel Storage								
Day Tank	20%			2030	$200	5	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 50 Gallons Rated Capacity								
Main Tank	80%			2034	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Side Yard								
Explanation : 275 Gallons Rated Capacity								
Lighting								
Interior Lighting								
LED	100%			2039	* *			
Egress Lighting								
Emergency, Service	50%			2026	$3,200	1		
Exit, Service	50%	Now	$700	2041	* *	1		
Not Functioning, Extent : Severe, Area Affected : 100%								
Location : Hallways								
Exterior Lighting								
LED	20%			2039	* *			
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%			2051	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2044	* *	1	$5,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Boiler Room								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	100%			2039	* *	4	$900	

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FIRE DEPARTMENT - 057
ENGINE CO. 233/LADDER CO. 176
Asset # : 13124

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								
Convector/Radiator	10%			2029	$6,400	1	$400	
Fan Coil Unit/Heat	50%	0-2	$18,000	2031	$89,900	1	$1,700	
Malfunctioning, Extent : Moderate, Area Affected : 30%								
Location : 6 Of Them Have Mechanical Defects. Various Locations								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : 15 Units.								
Unit Heater - Steam	40%			2026	$17,200	4	$700	
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Split Unit	10%			2036	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : For Locker Room								
Explanation : 1 Unit. R-410a.								
Window/Wall Unit	25%			2026	$6,300	1		
Window/Wall Unit	25%	0-2	$1,300	2026	$6,300	1		
Not Energy Efficient, Extent : Moderate, Area Affected : 70%								
Location : Various Locations								
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	$5,300	
No Component	50%							
Exhaust Fans								
Roof	25%			2036	* *	2	$100	
Roof	25%			2026	$5,000	2	$100	
Wall Unit	40%			2026	$1,700	2	$100	
No Component	10%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2026	$7,300	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								

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FIRE DEPARTMENT - 057
ENGINE CO. 233/LADDER CO. 176
Asset # : 13124

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								
Sanitary Piping								
Cast Iron	100%	Now	$1,800	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 5%								
Location : Apparatus Floor And 1st Floor Sitting Room								
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	90%							
Generic	10%			2031	$11,800	1-2	$300	
Chemical System								
No Component	99%							
Generic	1%			2026	$300	1-3		
Other Observation, Extent : Light, Area Affected : 100%								
Location : In Kitchen								
Explanation : 1 Unit								

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$337,900	$210,000
Interior Architecture	$54,800	
Electrical		$163,600
Total	**$392,700**	**$373,700**
Importance Code A	$337,900	$210,000
Importance Code B	$54,800	$163,600
Total	**$392,700**	**$373,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$68,200			
Interior Architecture	$77,200			$800
Electrical	$14,400	$800	$900	$900
Mechanical	$20,300	$700	$1,400	$700
Site Enclosure	$500			
Site Pavements	$15,800			
Total	**$196,400**	**$1,500**	**$2,400**	**$2,400**
Importance Code A	$70,500	$500	$500	$500
Importance Code B	$93,000	$1,000	$1,800	$1,900
Importance Code C	$32,900			
Total	**$196,400**	**$1,500**	**$2,400**	**$2,400**



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FIRE DEPARTMENT - 057
ENGINE CO. 234 LADDER 123/BATTALION 38
Asset # : 13125

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								
Concrete Masonry Unit	90%	Now	$337,900	LIFE	* *	5	$12,000	
Broken/Missing Elements, Extent : Severe, Area Affected : 15%								
Location : On Both Sides Of Overhead Door And West Facade								
Cracking/Crumbling, Extent : Severe, Area Affected : 15%								
Location : Entry Facade								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 50%								
Location : All Facades								
Misaligned/Bulging, Extent : Moderate, Area Affected : 15%								
Location : Underside Of Soffits								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : At Duct Penetrations Along Side Elevation								
Wood Overhead Doors	10%			2036	* *	5	$10,700	
Windows								
Aluminum	100%	Now	$23,800	2056	* *	5	$300	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%								
Location : Locker Room And Kitchen								
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	15%	Now	$6,500	LIFE	* *	5	$1,900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Upper And Lower Roofs								
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Upper And Lower Roof								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : Upper And Lower Roofs								
Caulking Deteriorated, Extent : Moderate, Area Affected : 15%								
Location : Upper And Lower Roofs								
Masonry: Brick	35%	2-4	$10,400	LIFE	* *	5	$600	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Exterior Of Parapets Throughout								
Metal Rail	10%	2-4	$500	2036	* *	5	$1,100	
Corrosion/Rusting, Extent : Light, Area Affected : 5%								
Location : Upper Roof								
Deteriorated Finish, Extent : Severe, Area Affected : 75%								
Location : Upper Roof								
Metal: Cage/Fence	5%	4+	$200	2036	* *	5	$300	
Corrosion/Rusting, Extent : Light, Area Affected : 10%								
Location : Lower Roof								
Stucco Cement	35%	Now	$4,600	2044	* *	5	$700	
Recent Repair Evident, Extent : Light, Area Affected : 100%								
Location : Upper And Lower Roofs								
Other Observation, Extent : Light, Area Affected : 100%								
Location : All Parapets								
Explanation : Stucco Cover Concrete Masony Unit On Interior Of Parapets								

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FIRE DEPARTMENT - 057
ENGINE CO. 234 LADDER 123/BATTALION 38
Asset # : 13125

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								
Modified Bitumen	85%	4+	$17,400	2031	$174,200			
Debris Present, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Ponding, Extent : Light, Area Affected : 5%								
Location : Upper								
Single Ply Membrane	15%	4+	$3,600	2031	$35,900			
Ponding, Extent : Moderate, Area Affected : 20%								
Location : Lower Roof On South And North Ends								
Soffits								
Cement-Fiber Panel	100%	2-4	$1,300	2031	$12,500			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Corner Of Building								
Staining/Discoloring, Extent : Severe, Area Affected : 75%								
Location : Corner Of Building And Rear Parking Lot								
Interior								
Floors								
Cast in Place Concrete	50%	Now	$8,400	LIFE	* *	5	$16,500	
Deflection Evident, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Floor								
Misaligned/Bulging, Extent : Severe, Area Affected : 5%								
Location : Apparatus Room								
Mosaic Tile	5%	Now	$4,800	2036	* *	5	$900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : 2nd Floor Bathrooms And Officers Bathrooms								
Quarry Tile	5%	4+	$6,900	2036	* *	5	$600	
Worn/Eroded, Extent : Light, Area Affected : 35%								
Location : Kitchen								
Vinyl Tile	40%	0-2	$54,800	2041	* *	3	$2,300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Second Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Throughout 2nd Floor								

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FIRE DEPARTMENT - 057

ENGINE CO. 234 LADDER 123/BATTALION 38

Asset # : 13125

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	10%			LIFE	* *	10	$3,700	
Ceramic Tile	10%	Now	$8,600	2034	* *	5	$700	
Adhesion Failure, Extent : Light, Area Affected : 1%								
Location : 1st And 2nd Floor Bathrooms								
Broken/Missing Elements, Extent : Light, Area Affected : 1%								
Location : 1st Floor Bathroom								
Cracking/Crumbling, Extent : Light, Area Affected : 2%								
Location : 1st Floor And 2nd Floor Bathrooms								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Showers								
Concrete Masonry Unit	14%			LIFE	* *	5	$1,600	
Gypsum Board	30%			LIFE	* *	5-10	$7,500	
Metal Panel	1%	4+	$400	LIFE	* *			
Deformed/Dented, Extent : Light, Area Affected : 5%								
Location : Kitchen								
SGFT/Glazed Masonry	35%			LIFE	* *	10	$2,600	
Ceilings								
AcousTileSusp.Lay-In	15%	4+	$1,000	2036	* *	5	$1,100	
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : Kitchen								
Exposed Concrete	20%			LIFE	* *	5-10	$3,800	
Gypsum Board	65%	Now	$31,800	LIFE	* *	5	$12,300	
Cracking/Crumbling, Extent : Severe, Area Affected : 40%								
Location : 2nd Floor Office And Officer Bunk Room								
Loose/Delam Surface, Extent : Moderate, Area Affected : 2%								
Location : Apparratus Floor								
Water Penetration, Extent : Severe, Area Affected : 15%								
Location : 2nd Floor								
Site Enclosure								
Fence/Gates								
Chain Link	50%	4+	$300	2041	* *			
Corrosion/Rusting, Extent : Light, Area Affected : 10%								
Location : Rear Parking Lot								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rear Parking Lot								
Explanation : Chain Link Fence Covered With Corrugated Metal Sheet								
Iron Picket	50%	4+	$200	2051	* *			
Corrosion/Rusting, Extent : Light, Area Affected : 15%								
Location : Corner Of Building								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	0-2	$4,400	2036	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Along Schenectady Avenue								

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FIRE DEPARTMENT - 057
ENGINE CO. 234 LADDER 123/BATTALION 38
Asset # : 13125

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								
On-Site Walkways								
Cast in Place Concrete	100%			2036	* *			
Parking/Driveway								
Cast in Place Concrete	100%	Now	$11,400	2036	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Front Apron								

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								
Molded Case Bkrs	100%			2031	$5,200	5	$300	
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	$52,200	5	$300	
Raceway								
Conduit	100%			2031	$33,500	1		
Panelboards								
Molded Case Bkrs	100%			2030	$41,200	5	$300	
Wiring								
Thermoplastic	100%			2031	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2029	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%	2-4	$10,200	LIFE	* *	5	$200	
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Stand-by Power								
Transfer Switches								
Automatic	100%			2029	$5,200	1	$3,200	
Generators								
Diesel	100%			2027	$70,300	1	$4,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room								
Explanation : Emergency Generator Rated At 30 Kilowatts								
Batteries								
Lead/Acid	100%			2026	$1,600	5	$400	

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FIRE DEPARTMENT - 057
ENGINE CO. 234 LADDER 123/BATTALION 38
Asset # : 13125

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
Stand-by Power								
Fuel Storage								
Day Tank	3%			2030		5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 30 Gallons Rated Capacity								
Main Tank	97%			2034	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Underground								
Explanation : 1000 Gallons Rated Capacity								
Lighting								
Interior Lighting								
Fluorescent	20%			2036	* *	10	$1,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : T-8 Lamps								
LED	80%			2036	* *			
Egress Lighting								
Emergency, Service	100%			2031	$5,400	1		
Exterior Lighting								
HID	20%			2031	$8,400	10		
No Component	80%							
Alarm								
Security System								
No Component	90%							
Generic	10%	Now	$3,300	2041	* *	1	$400	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Front Of The Building								
Explanation : Cctv Surveillance Cameras Not Functional								

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								
Electricity	5%			2041	* *	1		
Natural Gas	95%			2041	* *	1		
Conversion Equipment								
Hot Water Boiler	95%			2044	* *	1	$4,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Boiler Room								
Explanation : 1 Unit								
Radiant Heater	5%	Now	$1,800	2041	* *	2	$200	
Broken, Extent : Severe, Area Affected : 100%								
Location : 1st Floor Office And House Watch								

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*** 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		
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	$15,300	4	$700	
No Component	5%							
Terminal Devices								
Convector/Radiator	55%			2029	$30,500	1	$1,800	
Unit Heater - Hot Water	30%	Now	$11,600	2041	* *			
Unit Inoperable, Extent : Severe, Area Affected : 100%								
Location : Aged Units On Apparatus Floor Ceiling								
No Component	15%							
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	30%			2036	* *	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 1 Rooftop Unit. R-410a								
Window/Wall Unit	30%	0-2	$600	2026	$6,500	1		
Not Energy Efficient, Extent : Moderate, Area Affected : 50%								
Location : Various Locations								
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	* *	2-5	$3,700	
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								
Gas Fired	100%			2026	$6,300	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units.								
Sanitary Piping								
Cast Iron	10%	Now	$2,300	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 20%								
Location : Back Of The Apparatus Floor								
Leak Evident, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Bathroom Leaks To Kitchen								
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		
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	$1,100	LIFE	* *	1		
Leak Evident, Extent : Moderate, Area Affected : 5%								
Location : 1st Floor Office Ceiling								
Sump Pump(s)								
Submersible	100%			2022	$400	4	$300	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	95%							
Generic	5%			2031	$5,100	1-2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Limited Coverage								
Chemical System								
No Component	99%							
Generic	1%			2024	$300	1-3		
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **05-Jun-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,3**		
Block	: **1817** **Lot** : **48**	**BIN**	: **3051323**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$61,700	
Total	**$61,700**	
Importance Code A	$61,700	
Total	**$61,700**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$20,300		$11,300	$300
Interior Architecture	$14,200			$500
Electrical	$2,000	$300	$400	$400
Mechanical	$6,800	$700	$700	$700
Site Pavements	$3,900			
Total	**$47,200**	**$1,000**	**$12,300**	**$1,900**
Importance Code A	$20,800	$500	$11,800	$800
Importance Code B	$11,900	$500	$600	$1,100
Importance Code C	$14,500			
Total	**$47,200**	**$1,000**	**$12,300**	**$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.
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FIRE DEPARTMENT - 057
ENGINE CO. 235 / BATTALION 57
Asset # : 13126

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	$61,700	LIFE	* *	5	$19,200	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Masonry: Limestone	10%			LIFE	* *	5	$2,100	
Metal Panel	10%			2059	* *	5-10	$18,800	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Wood Overhead Doors	10%			2042	* *	5	$13,700	
Windows								
Aluminum	100%			2045	* *	5	$700	
Parapets								
Masonry: Brick	90%	Now	$10,300	LIFE	* *	5	$800	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%								
Location : Throughout								
Masonry: Limestone	10%	Now	$3,100	LIFE	* *	5	$100	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 60%								
Location : Coping								
Roof								
Built-Up (BUR)	80%			2034	* *	10	$6,100	
Copper/Terne	15%			2057	* *	10	$2,900	
Skylight, Metal/Glass	5%			2049	* *	10	$1,300	
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	* *	5	$6,500	
Ceramic Tile	5%	Now	$400	2038	* *	5	$200	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
Location : Womens Toilet								
Quarry Tile	5%			2042	* *	5	$600	
Vinyl Tile	50%			2037	* *	3	$1,900	
Interior Walls								
Ceramic Tile	5%	Now	$500	2038	* *	5	$400	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Concrete Masonry Unit	5%			LIFE	* *	5	$400	
Masonry: Brick	15%	0-2	$5,500	LIFE	* *			
Efflorescence, Extent : Light, Area Affected : 10%								
Location : Throughout								
Masonry: Fieldstone	10%			LIFE	* *			
Plaster	60%	Now	$4,600	LIFE	* *	5	$3,200	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Wood	5%			LIFE	* *	5	$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. 235 / BATTALION 57
Asset # : 13126

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	5%	Now	$600	2042	* *	5	$200	
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : Throughout								
Embossed Metal	35%			LIFE	* *	5	$1,200	
Exposed Struc: Steel	25%			LIFE	* *			
Plaster	35%	Now	$1,800	LIFE	* *	5	$1,600	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Throughout								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2059	* *			
Free Standing Walls								
Masonry: Brick	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Asphalt	60%	2-4	$3,900	2038	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Cast in Place Concrete	40%			2042	* *			

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%			2049	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Service Area								
Explanation : The Service Equipment Consists Of One 400 Ampere Main Disconnect Switch.								
Raceway								
Conduit	80%			2029	$26,800	1		
Conduit	20%			2055	* *	1		
Panelboards								
Molded Case Bkrs	100%			2045	* *	5	$100	
Wiring								
Thermoplastic	80%			2049	* *	1		
Thermoplastic	20%			2029	$5,900	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2034	* *	1	$1,500	

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FIRE DEPARTMENT - 057
ENGINE CO. 235 / BATTALION 57
Asset # : 13126

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
Stand-by Power								
Generators								
Diesel	100%			2032	* *	1	$1,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : The 81 Kilovolt-ampere Generator Is Mounted On The Side Of The Building. It Is In Good Condition.								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$200	
Fuel Storage								
Main Tank	100%			2044	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : One 60 Gallon Unit								
Lighting								
Interior Lighting								
Fluorescent	10%			2029	$1,400	10	$400	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Dining Area.								
LED	90%			2037	* *			
Egress Lighting								
Emergency, Service	50%			2029	$1,200	1		
No Component	50%							
Exterior Lighting								
HID	100%			2029	$19,100	10		

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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$4,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	100%			2039	* *			
Terminal Devices								
Convector/Radiator	90%			2034	* *	1	$1,400	
Unit Heater - Steam	10%			2029	$1,700	4		
Air Conditioning								
Energy Source								
Electricity	100%			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
ENGINE CO. 235 / BATTALION 57
Asset # : 13126

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								
Conversion Equipment								
Split Unit	2%			2034	* *			
Window/Wall Unit	60%			2022	$5,900	1		
No Component	38%							
Ventilation								
Exhaust Fans								
Roof	20%			2034	* *	2		
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	60%			2049	* *	1		
Galvanized Steel	40%			2034	* *	1		
Water Heater								
Gas Fired	100%			2027	$2,900	2	$100	
	Other Observation, Extent : Light, Area Affected : 100%							
	Location : Basement							
	Explanation : Two 75 Gallon Unit							
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$200	4	$200	
Backflow Preventer								
Generic	100%			2034	* *	1	$300	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	2%			2027	$600	1-3	$100	
No Component	98%							

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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **22-Mar-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2,3**		
Block	: **4194** **Lot** : **20**	**BIN**	: **3094289**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Electrical		$93,300
Total		**$93,300**
Importance Code B		$93,300
Total		**$93,300**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture				$600
Interior Architecture	$46,800	$2,000		$400
Electrical	$10,200	$100	$100	
Mechanical	$4,000	$900	$6,900	$900
Site Pavements	$4,800			
Total	**$65,900**	**$3,100**	**$7,000**	**$2,000**
Importance Code A	$500	$500	$500	$1,100
Importance Code B	$61,900	$1,100	$6,500	$900
Importance Code C	$3,600	$1,400		
Total	**$65,900**	**$3,100**	**$7,000**	**$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. 236

Asset # : 13127

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	80%			LIFE	* *	5	$19,000	
Masonry: Granite	3%			LIFE	* *	5	$500	
Masonry: Limestone	10%			LIFE	* *	5	$1,800	
Metal Coiling Doors	7%			2046	* *	5	$5,200	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Front Elevation								
Windows								
Aluminum	100%			2045	* *	5	$1,200	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5	$1,500	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Roof								
Masonry: Brick	90%			LIFE	* *	5	$1,800	
Recent Repair Evident, Extent : Light, Area Affected : 100%								
Location : Roof								
Roof								
Copper/Terne	5%			2057	* *	10	$700	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Roof								
Modified Bitumen	95%			2037	* *	10	$5,200	
Interior								
Floors								
Cast in Place Concrete	35%	0-2	$3,000	LIFE	* *	5	$6,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Ceramic Tile	15%			2038	* *	5	$1,200	
Quarry Tile	5%			2046	* *	5	$600	
Vinyl Tile	45%	Now	$16,000	2034	* *	3	$1,300	
Worn/Eroded, Extent : Severe, Area Affected : 50%								
Location : 2nd Floor								
Interior Walls								
Cast in Place Concrete	3%	0-2	$1,200	LIFE	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Ceramic Tile	25%			2038	* *	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	$2,400	LIFE	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 40%								
Location : Throughout								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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%	0-2	$2,700	2034	* *	5	$400	
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor Office								
Embossed Metal	20%	4+	$1,500	LIFE	* *	5	$700	
Deformed/Dented, Extent : Light, Area Affected : 10%								
Location : Throughout								
Exposed Struc: Steel	20%	0-2	$17,600	LIFE	* *			
Corrosion/Rusting, Extent : Light, Area Affected : 20%								
Location : Throughout								
Gypsum Board	10%	Now	$2,500	LIFE	* *	5	$1,000	
Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Metal Panel	5%			LIFE	* *	5	$500	
Plaster	35%			LIFE	* *	5	$1,700	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	0-2	$4,800	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Liberty Avenue								
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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%			2029	$5,200	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%			2029	$52,200	5	$100	
Raceway								
Conduit	100%			2029	$33,500	1		
Panelboards								
Molded Case Bkrs	100%			2028	$41,200	5	$100	
Wiring								
Thermoplastic	100%			2029	$29,600	1		
Ground								

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*** 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		
System / Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ground								
Grounding Devices								
Generic	100%	2-4	$10,200	LIFE	* *	5	$100	
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Lighting								
Interior Lighting								
Fluorescent	100%			2029	$13,800	10	$4,400	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Egress Lighting								
Exit, Service	50%			2029	$300	1		
Exit, Battery	50%			2029	$900	10	$200	
Exterior Lighting								
HID	30%			2029	$5,800	10		
No Component	70%							
Alarm								
Security System								
No Component	85%							
Generic	15%			2037	* *	1	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front Of The Building								
Explanation : CCTV Surveillance Cameras								

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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$4,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Natural Gas Fired Steam Boiler								
Distribution								
Steam Piping/Pump	100%			2029	$21,100			
Terminal Devices								
Convector/Radiator	100%	0-2	$1,300	2034	* *	1	$1,400	
Other Observation, Extent : Light, Area Affected : 10%								
Location : 1st Floor Back Room								
Explanation : There Is No Heating Device In The Back Room Since The Radiators Were Removed								
Air Conditioning								
Energy Source								
Electricity	100%			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
ENGINE CO. 236
Asset # : 13127

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								
Conversion Equipment								
Split Unit	10%			2034	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : 1 Unit, R-410a								
Window/Wall Unit	50%			2024	$5,000	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2034	* *	1	$200	
No Component	90%							
Heat Rejection								
Air Cooled Condenser Unit	10%			2034	* *	2	$300	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	* *	2-5	$300	
No Component	90%							
Exhaust Fans								
Roof	10%			2029	$800	2		
Wall Unit	25%			2024	$400	2		
No Component	65%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2027	$2,900	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units								
Sanitary Piping								
Cast Iron	100%	0-2	$1,700	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : Operatic Floor								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%	0-2	$200	2024	$200	4	$100	
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Basement, Defective Submersible Pump								
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. 236
Asset # : 13127

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								
Generic	100%			2027	$27,900	1-3	$3,700	
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 : 26-Oct-2020

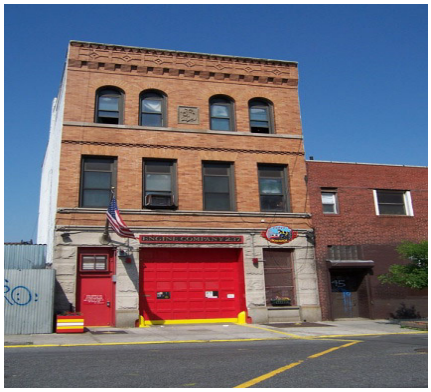
FIRE DEPARTMENT - FY 2021

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	: **14-Jun-2018**			**Landmark Status**	: **NONE**
Areas Surveyed	: **Floors 1**				
Block	: **3102**	**Lot**	: **23**	**BIN**	: **3071494**

CAPITAL

Total	
Importance Code	
Total	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture			$6,400	
Electrical				
Total			**$6,400**	
Importance Code A			$6,400	
Importance Code B				
Total			**$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
ENGINE CO. 237
Asset # : 13128

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	77%			LIFE	* *	5	$19,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front Facade								
Explanation : Only Front Facade Was Accessible Due To The Active Construction Of The Interior								
Masonry: Granite	3%			LIFE	* *	5	$600	
Masonry: Limestone	10%			LIFE	* *	5	$1,900	
Wood Overhead Doors	10%			2034	* *	5	$12,700	
Windows								
Not Accessible	100%							
Parapets								
Not Accessible	100%							
Roof								
Not Accessible	100%							
Interior								
Floors								
Under Construction	100%							
Interior Walls								
Under Construction	100%							
Ceilings								
Under Construction	100%							
Site Enclosure								
Fence/Gates								
Not Accessible	100%							
Free Standing Walls								
Not Accessible	100%							
Site Pavements								
Public Sidewalk								
Not Accessible	100%							
On-Site Walkways								
Not Accessible	100%							
Parking/Driveway								
Not Accessible	100%							

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								
Under Construction	100%							
Transformers								
Under Construction	100%							
Switchgear / Switchboard								
Under Construction	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. 237
Asset # : 13128

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								
Raceway								
Under Construction	100%							
Panelboards								
Under Construction	100%							
Wiring								
Under Construction	100%							
Motor Controllers								
Under Construction	100%							
Ground								
Grounding Devices								
Under Construction	100%							
Stand-by Power								
Transfer Switches								
Under Construction	100%							
Generators								
Under Construction	100%							
Batteries								
Under Construction	100%							
Fuel Storage								
Under Construction	100%							
Lighting								
Interior Lighting								
HID	10%			2037	* *	10		
Under Construction	90%							
Egress Lighting								
Under Construction	100%							
Exterior Lighting								
Under Construction	100%							
Lightning Protection								
Arresters/Cabling								
Under Construction	100%							
Alarm								
Security System								
Under Construction	100%							
Fire/Smoke Detection								
Under Construction	100%							

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								
Under Construction	100%							
Conversion Equipment								
Under Construction	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. 237

Asset # : 13128

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								
Under Construction	100%							
Terminal Devices								
Under Construction	100%							
Air Conditioning								
Energy Source								
Under Construction	100%							
Conversion Equipment								
No Component	40%							
Under Construction	60%							
Ventilation								
Exhaust Fans								
No Component	80%							
Under Construction	20%							
Plumbing								
H/C Water Piping								
Under Construction	30%							
Under Construction	70%							
Water Heater								
Under Construction	100%							
Sanitary Piping								
Under Construction	100%							
Storm Drain Piping								
Under Construction	100%							
Sump Pump(s)								
Under Construction	100%							
Pool Filter/Treatment								
Under Construction	100%							
Fixtures								
Under Construction	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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$151,500	$218,700
Interior Architecture		$131,400
Electrical		$93,300
Total	**$151,500**	**$443,400**
Importance Code A	$151,500	$218,700
Importance Code B		$224,700
Total	**$151,500**	**$443,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$54,500			
Interior Architecture	$64,100		$1,200	$1,800
Electrical	$900	$700	$2,300	$800
Mechanical	$13,400	$1,100	$1,600	$900
Site Enclosure	$12,300			
Site Pavements	$32,900			
Total	**$178,100**	**$1,800**	**$5,200**	**$3,500**
Importance Code A	$55,000	$500	$500	$500
Importance Code B	$57,800	$1,300	$4,700	$2,000
Importance Code C	$65,300			$1,100
Total	**$178,100**	**$1,800**	**$5,200**	**$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. 238/LADDER CO. 106
Asset # : 13129

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	10%			LIFE	* *	5	$24,400	
Masonry: Brick Cavity	85%			LIFE	* *	5	$41,600	
Metal Sect. OHD	5%	Now	$4,100	2044	* *	5	$1,900	
Other Observation, Extent : Moderate, Area Affected : 50%								
Location : Right Metal Overhead Door								
Explanation : Does Not Reach The Ground When Closed								
Windows								
Aluminum	100%	2-4	$107,800	2056	* *	5	$1,200	2
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%								
Location : Gymnasium								
Misaligned/Bulging, Extent : Severe, Area Affected : 25%								
Location : 2nd Floor Windows								
Unit Inoperable, Extent : Severe, Area Affected : 10%								
Location : Various Locations Throughout								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	* *	5-10	$3,800	
Masonry: Brick	30%	Now	$1,000	LIFE	* *	5	$800	
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 5%								
Location : Corner Adjacent To Gas Station								
Metal Rail	5%			2036	* *	5-10	$2,400	
Stucco Cement	50%	2-4	$1,800	2036	* *	5	$1,700	
Cracking/Crumbling, Extent : Light, Area Affected : 2%								
Location : Upper Roof Parapet								
No Component	10%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Lower Roof								
Explanation : No Parapet								
Roof								
Modified Bitumen	100%	Now	$43,700	2031	$218,700			
Alligatoring, Extent : Moderate, Area Affected : 20%								
Location : Throughout Both Roofs								
Blisters, Extent : Moderate, Area Affected : 10%								
Location : Main Roof								
Ponding, Extent : Moderate, Area Affected : 10%								
Location : Lower Roof								
Ridging, Extent : Moderate, Area Affected : 10%								
Location : Throughout Both Roofs								
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : Lower Roof Where Kitchen Abuts Garage And Bunk Room								
Soffits								
Cast in Place Concrete	100%			LIFE	* *	5	$23,700	
Interior								

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. 238/LADDER CO. 106
Asset # : 13129

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	30%	0-2	$5,100	LIFE	* *	5	$10,100	
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : Through Slab In Basement Tank Room								
Worn/Eroded, Extent : Moderate, Area Affected : 20%								
Location : Basement Slab Throughout								
Ceramic Tile	10%			2040	* *	5	$1,500	
Sheet Vinyl/Rubber	27%			2031	$131,400	5	$6,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Explanation : Rubber Flooring								
Terrazzo	8%			LIFE	* *	5	$1,900	
Vinyl Tile	25%			2036	* *	3	$1,400	
Interior Walls								
Cast in Place Concrete	10%	Now	$14,300	LIFE	* *			
Paint Peeling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Various Locations Throughout Basement								
Ceramic Tile	10%			2040	* *	5	$2,100	
Concrete Masonry Unit	15%			LIFE	* *	5	$2,500	
Gypsum Board	5%			LIFE	* *	5-10	$1,800	
Plaster	30%			LIFE	* *	5-10	$5,400	
SGFT/Glazed Masonry	30%			LIFE	* *	10	$3,200	
Ceilings								
AcousTileConcealSpLn	35%	0-2	$9,300	2048	* *	5	$3,400	
Broken/Missing Elements, Extent : Moderate, Area Affected : 30%								
Location : 2nd Floor								
Water Penetration, Extent : Light, Area Affected : 5%								
Location : Locker And Bunk Room								
AcousTileSusp.Lay-In	10%			2044	* *	5	$1,500	
Exposed Concrete	45%	Now	$23,700	LIFE	* *	5	$1,100	
Paint Peeling, Extent : Moderate, Area Affected : 15%								
Location : Basement								
Plaster	10%			LIFE	* *	5-10	$2,600	
Site Enclosure								
Fence/Gates								
Chain Link	80%	Now	$9,800	2041	* *			
Corrosion/Rusting, Extent : Light, Area Affected : 20%								
Location : Throughout								
Impact Damage, Extent : Moderate, Area Affected : 15%								
Location : Gas Station Side								
Iron Picket	20%	Now	$2,500	2051	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 50%								
Location : Gas Station Side								
Site Pavements								

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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. 238/LADDER CO. 106
Asset # : 13129

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								
Public Sidewalk								
Cast in Place Concrete	100%	Now	$3,300	2036	* *			
Tripping Hazard, Extent : Severe, Area Affected : 10%								
Location : Front Of Building								
On-Site Walkways								
Asphalt	100%	4+	$400	2034	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Side Yard Adjacent Gas Station								
Parking/Driveway								
Asphalt	100%	Now	$29,200	2034	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Driveway And Parking Lot								
Potholes, Extent : Moderate, Area Affected : 15%								
Location : Driveway And Parking Lot								
Sinking/Subsiding, Extent : Severe, Area Affected : 10%								
Location : Parking Lot								

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								
Molded Case Bkrs	100%			2031	$5,200	5	$300	
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	$52,200	5	$300	
Raceway								
Conduit	100%			2031	$33,500	1		
Panelboards								
Molded Case Bkrs	100%			2030	$41,200	5	$300	
Wiring								
Thermoplastic	100%			2031	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2036	* *	5	$100	
Ground								
Grounding Devices								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Basement								
Explanation : Connected To Metal Water Pipe. Point Of Contact Not Visible Covered With Insulation								
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	* *	1	$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. 238/LADDER CO. 106
Asset # : 13129

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
Stand-by Power								
Generators								
Diesel	100%			2034	* *	1	$4,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Emergency Generator Rated At 55 Kilowatts								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$400	
Fuel Storage								
Main Tank	100%			2046	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 275 Gallons Rated Capacity								
Lighting								
Interior Lighting								
Fluorescent	60%			2031	$17,800	10	$5,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement And First Floor								
Explanation : T-8 Lamps								
LED	40%			2036	* *			
Egress Lighting								
Emergency, Service	60%			2031	$3,200	1		
Exit, LED	40%			2046	* *	1		
Exterior Lighting								
HID	30%			2031	$12,400	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								
Energy Source								
Natural Gas	100%			2041	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2044	* *	1	$5,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	100%			2039	* *	4	$800	
Terminal Devices								
Convector/Radiator	70%			2036	* *	1	$2,300	
Unit Heater - Steam	30%			2026	$11,000	4	$400	
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. 238/LADDER CO. 106
Asset # : 13129

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								
Conversion Equipment								
Exterior Pkg Unit - Cooling	15%			2031	$12,500	2	$100	
R-134a Refrigerant, Extent : Light, Area Affected : 100%								
Location : Roof								
Split Unit	25%			2036	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : R-410a Refrigerant								
Window/Wall Unit	20%	0-2	$1,300	2026	$4,300	1		
Not Energy Efficient, Extent : Moderate, Area Affected : 60%								
Location : Various Locations								
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	$4,500	
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								
Gas Fired	100%			2029	$6,300	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%	Now	$7,500	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 30%								
Location : Water Backs Up In Basement, Apparatus Floor And Parking Lot Badly. 2nd Floor Bathroom Sink.								
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. 238/LADDER CO. 106
Asset # : 13129

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								
Sump Pump(s)								
Non-Submersible	100%	Now	$1,600	2041	* *	4	$200	
Not in Service, Extent : Severe, Area Affected : 100%								
Location : Basement								
On Extended Life, Extent : Moderate, Area Affected : 100%								
Location : Basement								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **30-May-2018**			**Landmark Status**	: **NONE**
Areas Surveyed	: **Floors 1**				
Block	: **993**	**Lot**	: **5**	**BIN**	: **3021578**

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$45,000		$3,000	$300
Interior Architecture	$2,800		$1,500	
Electrical	$300	$2,000	$4,200	$600
Mechanical	$500	$700	$800	$700
Total	**$48,600**	**$2,800**	**$9,500**	**$1,600**
Importance Code A	$45,200	$200	$3,200	$500
Importance Code B	$3,400	$2,500	$6,300	$1,100
Importance Code C				
Total	**$48,600**	**$2,800**	**$9,500**	**$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. 239
Asset # : 13130

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	80%	Now	$12,200	LIFE	* *	5	$18,900	
Diagonal Cracks, Extent : Moderate, Area Affected : 3%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
Location : Throughout								
Water Penetration, Extent : Light, Area Affected : 5%								
Location : Throughout								
Masonry: Limestone	5%	2-4	$6,900	LIFE	* *	5	$900	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
Location : Throughout								
Metal/Glass Curt Wall	10%	Now	$20,000	LIFE	* *	5	$4,400	
Water Penetration, Extent : Light, Area Affected : 5%								
Location : Throughout								
Wood Overhead Doors	5%			2034	* *	5	$5,900	
Windows								
Aluminum	100%			2051	* *	5	$700	
Parapets								
Masonry: Brick	80%			LIFE	* *	5	$1,200	
Masonry: Limestone	10%			LIFE	* *	5	$200	
Metal Panel	10%			2055	* *	5	$600	
Roof								
Modified Bitumen	90%			2037	* *	10	$6,700	
Plaza Roof: Stone Panels	5%			2055	* *			
Skylight, Metal/Glass	5%	Now	$5,800	2055	* *			
Water Penetration, Extent : Light, Area Affected : 10%								
Location : Lower Roof								
Interior								
Floors								
Cast in Place Concrete	75%			LIFE	* *	5	$13,200	
Ceramic Tile	5%			2042	* *	5	$400	
Wood	20%			2064	* *	5	$3,000	
Interior Walls								
Cast in Place Concrete	5%			LIFE	* *			
Concrete Masonry Unit	10%			LIFE	* *	5	$400	
Gypsum Board	70%			LIFE	* *	5	$4,600	
SGFT/Glazed Masonry	10%			LIFE	* *			
Wood	5%			LIFE	* *	5	$2,200	

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FIRE DEPARTMENT - 057
ENGINE CO. 239
Asset # : 13130

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	50%	Now	$1,700	2046	* *	5	$2,000	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Weight Room								
Embossed Metal	20%			LIFE	* *	5	$700	
Exposed Struc: Steel	20%			LIFE	* *			
Gypsum Board	10%	Now	$900	LIFE	* *	5	$1,000	
Water Penetration, Extent : Light, Area Affected : 10%								
Location : Kitchen								
Site Enclosure								
Fence/Gates								
Aluminum Rail	100%			2042	* *	5-10		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : Roof Rail								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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%			2049	* *	5		
Transformers								
Dry Type	100%			2042	* *	5		
Raceway								
Conduit	100%			2049	* *	1		
Panelboards								
Fused Disc Sw	20%			2045	* *	5		
Molded Case Bkrs	80%			2045	* *	5	$100	
Wiring								
Thermoplastic	100%			2049	* *	1		
Motor Controllers								
Locally Mounted	100%			2042	* *	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2042	* *	1	$1,400	

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FIRE DEPARTMENT - 057
ENGINE CO. 239
Asset # : 13130

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
Stand-by Power								
Generators								
Diesel	100%			2038	* *	1	$1,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : The Generator Is In Good Condition. It Is A 180 Kilowatt Generator.								
Batteries								
Lead/Acid	100%			2023	$1,600	5	$200	
Fuel Storage								
Day Tank	50%			2045	* *	5	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement - Generator Room								
Explanation : The Day Tanks Has A 50 Gallon Capacity.								
Main Tank	50%			2044	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : The Main Diesel Tank Has A 550 Gallon Capacity.								
Lighting								
Interior Lighting								
Fluorescent	90%			2034	* *	10	$3,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : Most Lighting Fixtures Are T-8 Lamps Type Fixtures And Are In Good Condition.								
Fluorescent	10%			2037	* *	10	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Stairway								
Explanation : Lighting Fixtures In The Stairway Are T-5 Lamp Type. They Are In Good Condition.								
Egress Lighting								
Emergency, Service	50%			2034	* *	1		
Exit, LED	50%			2057	* *	1		
Exterior Lighting								
LED	100%			2034	* *			

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%			2055	* *	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 239
Asset # : 13130

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								
Furnace	50%			2037	* *	1	$1,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 3 Rooftop Air Conditioning Units With Gas Fired Furnaces								
Hot Water Boiler	50%			2046	* *	1	$1,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Natural Gas Fired Hot Water Boiler								
Distribution								
Hot Wtr Piping/Pump	100%			2051	* *	4	$300	
Terminal Devices								
Air Handler	30%			2037	* *	1	$900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : H And V Unit Serves Boiler And Emergency Generator Engine Rooms								
Fan Coil Unit/Heat	20%			2037	* *	1	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : Unit Heaters Serve Apparatus Floor								
No Component	50%							
Air Conditioning								
Energy Source								
Electricity	100%			2051	* *	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	90%			2037	* *	2	$300	
Split Unit	10%			2037	* *			
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$2,600	
Exhaust Fans								
Roof	100%			2037	* *	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2055	* *	1		
Water Heater								
Gas Fired	100%			2028	$2,800	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 239
Asset # : 13130

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								
Sump Pump(s)								
Non-Submersible	100%			2037	* *	4	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units								
Backflow Preventer								
Generic	100%			2037	* *	1	$300	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2055	* *	1-2	$1,300	
Chemical System								
Wet	2%			2028	$600	1-3	$100	
No Component	98%							

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **15-Feb-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **520** **Lot** : **37**	**BIN**	: **1080044**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$80,400	
Interior Architecture	$63,700	
Electrical	$70,300	$91,300
Total	**$214,400**	**$91,300**
Importance Code A	$80,400	
Importance Code B	$134,000	$91,300
Total	**$214,400**	**$91,300**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$98,300			
Interior Architecture	$34,800			$900
Electrical	$2,600	$1,000	$41,700	$700
Mechanical	$4,700	$700	$6,300	$1,100
Site Pavements	$5,200			
Total	**$145,600**	**$1,700**	**$48,000**	**$2,700**
Importance Code A	$98,800	$500	$500	$500
Importance Code B	$42,100	$1,300	$47,500	$2,200
Importance Code C	$4,700			
Total	**$145,600**	**$1,700**	**$48,000**	**$2,700**



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FIRE DEPARTMENT - 057
ENGINE CO. 24/ LADDER CO. 5
Asset # : 13018

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	90%	4+	$34,500	LIFE	* *	5	$21,400	
Diagonal Cracks, Extent : Moderate, Area Affected : 10%								
Location : Front And Rear Facade On The Right								
Expansion Joint Failure, Extent : Moderate, Area Affected : 5%								
Location : North And South Property Lines								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Front Facade								
Vegetation Growth, Extent : Light, Area Affected : 15%								
Location : Ivy Growth At Front And Left Facade								
Wood Overhead Doors	10%	Now	$80,400	2049	* *	5	$6,000	
Unit Inoperable, Extent : Moderate, Area Affected : 100%								
Location : Main Door								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Main Door								
Explanation : Unit Always Braking Down								
Windows								
Aluminum	100%	Now	$28,500	2037	* *	5	$800	
Air Infiltration, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	15%	Now	$14,300	LIFE	* *	5	$4,100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Masonry: Brick	85%			LIFE	* *	5	$3,000	
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Vegetation Growth, Extent : Light, Area Affected : 30%								
Location : South Wall Of Parapet								
Roof								
Modified Bitumen	100%	Now	$21,000	2034	* *			
Alligatoring, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Blisters, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Soffits								
Cement-Fiber Panel	100%			2029		10		
Staining/Discoloring, Extent : Light, Area Affected : 35%								
Location : Front Facade								
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 24/ LADDER CO. 5
Asset # : 13018

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	40%	4+	$6,200	LIFE	* *	5	$12,300	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Apparatus And Basement Floor								
Ponding, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Explanation : Flooding During Heavy Rain, Sewer Backs Up								
Ceramic Tile	5%	4+	$700	2032	* *	5	$400	
Worn/Eroded, Extent : Light, Area Affected : 25%								
Location : Throughout								
Quarry Tile	5%	4+	$1,100	2042	* *	5	$500	
Worn/Eroded, Extent : Light, Area Affected : 10%								
Location : Kitchen								
Vinyl Tile	50%	Now	$19,100	2024	$63,700	3	$2,600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Worn/Eroded, Extent : Light, Area Affected : 75%								
Location : Throughout								
Interior Walls								
Concrete Masonry Unit	30%	4+	$3,200	LIFE	* *	5	$2,700	
Diagonal Cracks, Extent : Light, Area Affected : 5%								
Location : Stair								
Gypsum Board	5%	Now	$300	LIFE	* *	5	$700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Lounge								
Plaster	15%			LIFE	* *	5	$1,000	
Plywood/Hardboard	10%			LIFE	* *			
SGFT/Glazed Masonry	40%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	55%			2042	* *	5	$7,700	
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : Locker Room And Kitchen								
Exposed Concrete	35%			LIFE	* *	5	$800	
Gypsum Board	10%	2-4	$300	LIFE	* *	5	$1,800	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : 2nd Floor Corridor								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	* *			
Free Standing Walls								
Cast in Place Concrete	100%			2064	* *			
Site Pavements								

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FIRE DEPARTMENT - 057
ENGINE CO. 24/ LADDER CO. 5
Asset # : 13018

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								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%	Now	$200	2042	* *			
Spalling, Extent : Moderate, Area Affected : 5%								
Location : Steps To Rear Yard								
Parking/Driveway								
Cast in Place Concrete	100%	0-2	$1,000	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Front Ramp								
Activity Yard								
Cast in Place Concrete	100%	0-2	$4,000	2042	* *			
Ponding, Extent : Moderate, Area Affected : 15%								
Location : Rear Yard								
Other Observation, Extent : Moderate, Area Affected : 15%								
Location : Rear Yard								
Explanation : Floods During Heavy Rain								

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	90%			2029	$4,700	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 300 Ampere Main Disconnect Switch								
Fused Disc Sw	10%			2029	$500	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 AmperesMain Disconnect Switch For Emergency								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	$52,200	5	$200	
Raceway								
Conduit	100%			2029	$33,500	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	95%			2028	$39,100	5	$200	
Wiring								
Thermoplastic	100%			2029	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	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		
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%			2027	$5,200	1	$2,900	
Generators								
Diesel	100%			2025	$70,300	1	$3,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Back Yard								
Explanation : One 40 Kilowatts								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$300	
Fuel Storage								
Day Tank	30%			2028	$200	5	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room Back Yard								
Explanation : One 50 Gallons								
Main Tank	70%			2032	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Underground								
Explanation : One 1,000 Gallons								
Lighting								
Interior Lighting								
Fluorescent	95%			2029	$25,800	10	$8,200	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Incandescent	5%			2024	$3,200	2		
Egress Lighting								
Emergency, Service	60%			2029	$3,000	1		
Exit, Service	40%			2024	$400	1		
Exterior Lighting								
HID	90%			2024	$34,000	10		
Incandescent	10%			2024	$3,200	2		

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%			2055	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2042	* *	1	$4,600	
Distribution								
Hot Wtr Piping/Pump	100%			2037	* *	4	$500	
Terminal Devices								
Convector/Radiator	80%			2034	* *	1	$2,400	
Unit Heater - Steam	20%			2029	$6,700	4	$200	
Air Conditioning								

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FIRE DEPARTMENT - 057
ENGINE CO. 24/ LADDER CO. 5
Asset # : 13018

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%			2037	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	60%			2034	* *	2	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 6 Split Units								
Window/Wall Unit	20%			2024	$3,900	1		
No Component	20%							
Heat Rejection								
Dry Cooler	60%			2034	* *	2	$3,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : Split Units								
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$5,200	
Exhaust Fans								
Roof	100%	Now	$3,100	2029	$15,600	2	$200	
Unit Inoperable, Extent : Moderate, Area Affected : 20%								
Location : Roof								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2028	$5,700	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%			2029	$1,400	4	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Duplex Unit								
Backflow Preventer								
No Component	95%							
Generic	5%			2034	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Boiler Only								

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FIRE DEPARTMENT - 057
ENGINE CO. 24/ LADDER CO. 5
Asset # : 13018

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%							
Leaking Faucets/Valves/Heads, Extent : Moderate, Area Affected : 10%								
Location : Bathrooms								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **22-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Roof, Floors 1,2**		
Block	: **5285** **Lot** : **21**	**BIN**	: **3122838**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$150,000	
Electrical		$20,600
Total	**$150,000**	**$20,600**
Importance Code A	$150,000	
Importance Code B		$20,600
Total	**$150,000**	**$20,600**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$13,000		$4,400	$700
Interior Architecture	$60,000	$300	$1,500	$400
Electrical	$500	$2,100	$21,000	$400
Mechanical	$3,700	$800	$6,300	$700
Site Pavements	$2,200			
Total	**$79,400**	**$3,200**	**$33,200**	**$2,200**
Importance Code A	$13,500	$500	$4,900	$1,200
Importance Code B	$51,700	$2,600	$28,300	$1,000
Importance Code C	$14,100	$100		
Total	**$79,400**	**$3,200**	**$33,200**	**$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.
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FIRE DEPARTMENT - 057
ENGINE CO. 240
Asset # : 13131

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	$39,600	LIFE	* *	5	$12,300	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : East And North Facade								
Masonry: Limestone	20%			LIFE	* *	5	$2,600	
Wood Overhead Doors	10%			2034	* *	5	$8,800	
Windows								
Aluminum	100%			2045	* *	5	$1,400	
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	* *	5	$900	
Masonry: Brick	90%	Now	$13,000	LIFE	* *	5	$2,100	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Masonry: Limestone	5%			LIFE	* *	5	$100	
Roof								
Modified Bitumen	98%	4+	$110,400	2039	* *			
Worn/Eroded, Extent : Moderate, Area Affected : 60%								
Location : Granular Finish Is Deteriorating Collecting At The Roof Drains - Throughout								
Skylight, Metal/Glass	2%			2039	* *	10	$500	
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	* *	5	$7,500	
Ceramic Tile	5%			2038	* *	5	$400	
Quarry Tile	5%			2042	* *	5	$600	
Vinyl Tile	45%	Now	$31,100	2039	* *	3	$1,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Locker Room								
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : 2nd Floor, Locker Room								
Interior Walls								
Ceramic Tile	2%			2038	* *	5	$200	
Gypsum Board	5%			LIFE	* *	5	$200	
Masonry: Brick	10%	Now	$6,400	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Plaster	83%	Now	$5,500	LIFE	* *	5	$1,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Battalion 48								
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : Corridor, Battalion 48 Office And Stairs To Basement								

Note : 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. 240
Asset # : 13131

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	40%			2034	* *	5	$3,000	
Embossed Metal	40%	Now	$11,400	LIFE	* *	5	$1,400	
Bent/Warped Elements, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Floor								
Paint Peeling, Extent : Moderate, Area Affected : 25%								
Location : Apparatus Floor								
Exposed Concrete	20%	Now	$5,200	LIFE	* *	5	$200	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Basement								
Site Enclosure								
Fence/Gates								
Chain Link	95%			2039	* *			
Iron Picket	5%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%	Now	$2,200	2042	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 25%								
Location : Throughout								
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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%			2039	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Main Service Switch Rated At 200 Amperes								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2039	* *	5	$100	
Raceway								
Conduit	100%			2039	* *	1		
Panelboards								
Molded Case Bkrs	50%			2028	$20,600	5	$100	
Molded Case Bkrs	50%			2037	* *	5	$100	
Wiring								
Thermoplastic	100%			2039	* *	1		
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. 240
Asset # : 13131

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
Stand-by Power								
Transfer Switches								
Automatic	100%			2034	* *	1	$1,600	
Generators								
Diesel	100%			2038	* *	1	$2,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : The Diesel Generator Is Rated At 60 Kilowatts.								
Batteries								
Lead/Acid	100%			2023	$1,600	5	$200	
Fuel Storage								
Main Tank	100%			2057	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : No Available Capacity Ratings								
Lighting								
Interior Lighting								
Fluorescent	100%			2029	$14,700	10	$4,700	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout Building								
Egress Lighting								
Emergency, Service	100%			2029	$2,700	1		
Exterior Lighting								
HID	100%			2024	$20,500	10		

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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$5,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Central Plant Steam Piping/Pmp	100%			2039	* *	4	$400	
Terminal Devices								
Convector/Radiator	100%			2027	$27,200	1	$1,600	
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		

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

FIRE DEPARTMENT - 057
ENGINE CO. 240
Asset # : 13131

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								
Conversion Equipment								
Split Unit	10%			2034	* *			
Window/Wall Unit	50%			2024	$5,300	1		
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	30%			LIFE	* *	2-5	$900	
No Component	70%							
Exhaust Fans								
Roof	10%			2034	* *	2		
Roof	20%	Now	$1,700	2039	* *	2		
Unit Inoperable, Extent : Severe, Area Affected : 20%								
Location : 2 Old Units, Roof								
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	50%			2049	* *	1		
Galvanized Steel	50%	Now	$1,100	2027	$11,200	1		
Corroded, Extent : Severe, Area Affected : 20%								
Location : Basement								
Water Heater								
Gas Fired	100%			2027	$3,100	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%	Now	$200	2024	$200	4	$100	
On Extended Life, Extent : Severe, Area Affected : 100%								
Location : Basement								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	2%			2027	$600	1-3	$100	
No Component	98%							

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **06-Jun-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **5841** **Lot** : **40**	**BIN**	: **3144349**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$139,900	
Electrical		$85,100
Total	**$139,900**	**$85,100**
Importance Code A	$139,900	
Importance Code B		$85,100
Total	**$139,900**	**$85,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$48,500			
Interior Architecture	$54,100			$600
Electrical	$10,200	$100	$200	
Mechanical	$2,900	$33,000	$16,500	$1,100
Site Enclosure	$3,700			
Total	**$119,400**	**$33,100**	**$16,700**	**$1,700**
Importance Code A	$48,900	$400	$500	$400
Importance Code B	$44,500	$32,600	$16,200	$1,300
Importance Code C	$26,000			
Total	**$119,400**	**$33,100**	**$16,700**	**$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. 241
Asset # : 13132

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	80%	2-4	$22,300	LIFE	* *	5	$13,800	
Corrosion/Rusting, Extent : Severe, Area Affected : 2%								
Location : Entrance Door								
Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Stucco Cement	10%			2042	* *	5	$4,300	
Wood Overhead Doors	10%	Now	$58,500	2049	* *	5	$4,300	
Broken/Missing Elements, Extent : Severe, Area Affected : 40%								
Location : Apparatus Floor								
Windows								
Aluminum	100%	Now	$81,400	2054	* *	5	$900	
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Unit Inoperable, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Roof								
Modified Bitumen	100%	2-4	$24,000	2034	* *			
Blisters, Extent : Moderate, Area Affected : 5%								
Location : Main Roof								
Patching Evident, Extent : Moderate, Area Affected : 10%								
Location : Main Roof								
Interior								
Floors								
Cast in Place Concrete	50%	0-2	$7,100	LIFE	* *	5	$14,000	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Stair Treads To Cellar And Boiler Room								
Horizontal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Floor								
Spalling, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Floor								
Ceramic Tile	10%			2042	* *	5	$1,300	
Terrazzo	5%	2-4	$1,600	LIFE	* *	5	$500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Kitchen								
Vinyl Tile	34%			2037	* *	3	$2,200	
Vinyl Tile	1%	Now	$1,200	2039	* *	3		
Other Observation, Extent : Severe, Area Affected : 1%								
Location : Stair Landings								
Explanation : Very Old								

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FIRE DEPARTMENT - 057
ENGINE CO. 241
Asset # : 13132

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%	0-2	$1,500	LIFE	* *			
Water Penetration, Extent : Light, Area Affected : 5%								
Location : Upper Foundation Wall At Building Joint								
Ceramic Tile	10%	2-4	$6,600	2038	* *	5	$1,100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Bathrooms								
Concrete Masonry Unit	5%			LIFE	* *	5	$500	
Marble Panels	5%			LIFE	* *			
Plaster	35%	0-2	$6,700	LIFE	* *	5	$2,400	
Diagonal Cracks, Extent : Moderate, Area Affected : 2%								
Location : Various Locations At The 2nd Floor								
Spalling, Extent : Severe, Area Affected : 5%								
Location : Cellar Stair								
Water Penetration, Extent : Moderate, Area Affected : 2%								
Location : 2nd Floor Window At Third Avenue Side								
SGFT/Glazed Masonry	40%	4+	$7,400	LIFE	* *			
Diagonal Cracks, Extent : Moderate, Area Affected : 2%								
Location : Kitchen								
Ceilings								
AcousTileSusp.Lay-In	10%	2-4	$1,400	2042	* *	5	$800	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Lounge And Watch Room								
Exposed Concrete	55%	4+	$15,500	LIFE	* *	5	$1,400	
Water Penetration, Extent : Light, Area Affected : 5%								
Location : 2nd Floor Ceiling								
Gypsum Board	5%	2-4	$400	LIFE	* *	5	$1,000	
Water Penetration, Extent : Light, Area Affected : 2%								
Location : 2nd Floor Bathroom								
Plaster	30%	4+	$3,400	LIFE	* *	5	$3,100	
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Stairway								
Site Enclosure								
Fence/Gates								
Aluminum Rail	75%	Now	$3,700	2042	* *	5	$4,600	
Broken/Missing Elements, Extent : Severe, Area Affected : 8%								
Location : Main Roof Detached Guardrail								
Loose/Miss Fasteners, Extent : Severe, Area Affected : 5%								
Location : Throughout								
Chain Link	25%			2039	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2034	* *			
On-Site Walkways								
Cast in Place Concrete	100%			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.
*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 241
Asset # : 13132

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								
Molded Case Bkrs	100%			2029	$5,200	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : Main Service Disconnect Switch Rated At 300 Amperes.								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	$52,200	5	$200	
Raceway								
Conduit	20%			2039	* *	1		
Conduit	80%			2029	$26,800	1		
Panelboards								
Molded Case Bkrs	20%			2037	* *	5		
Molded Case Bkrs	80%			2028	$32,900	5	$200	
Wiring								
Thermoplastic	50%			2039	* *	1		
Thermoplastic	50%			2029	$14,800	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%	2-4	$10,200	LIFE	* *	5	$100	
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Lighting								
Interior Lighting								
LED	100%			2037	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : LED Light Fixtures								
Egress Lighting								
Emergency, Battery	50%			2037	* *	10	$1,000	
Exit, LED	50%			2064	* *	1		
Exterior Lighting								
HID	30%			2029	$10,400	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								
Energy Source								
Natural Gas	100%			2055	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2046	* *	1	$4,200	
Leak Evident, Extent : Light, Area Affected : 100%								
Location : Cellar								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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
Heating								
Distribution								
Hot Wtr Piping/Pump	100%			2037	* *	4	$400	
Terminal Devices								
Convector/Radiator	70%			2034	* *	1	$1,900	
Unit Heater - Hot Water	30%			2029	$9,600			
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Interior Pkg Unit - Cooling	10%			2023	$32,100	2	$100	
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Reciprocating Compr/Chiller	10%			2037	* *	1	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 1 Unit, R-410a. For Bunkroom								
Window/Wall Unit	40%			2024	$7,100	1		
No Component	40%							
Heat Rejection								
Air Cooled Condenser Unit	10%			2037	* *	2	$600	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	50%			LIFE	* *	2-5	$2,400	
No Component	50%							
Exhaust Fans								
Interior	10%			2024	$3,100	2		
Roof	40%			2037	* *	2	$100	
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	* *	1		
Water Heater								
Gas Fired	100%			2024	$5,200	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Cellar								
Explanation : One 75 Gallon Heater								
Sanitary Piping								
Cast Iron	100%			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. 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								
Storm Drain Piping								
Cast Iron	100%	0-2	$1,800	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 30%								
Location : Apparatus Floor								
Other Observation, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Floor								
Explanation : Blockage								
Sump Pump(s)								
Submersible	100%			2022	$300	4	$300	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	70%							
Generic	30%			2029	$25,200	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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **14-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **6109** **Lot** : **19**	**BIN**	: **3155323**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Electrical		$20,600
Total		**$20,600**
Importance Code B		$20,600
Total		**$20,600**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$3,000		$7,400	
Interior Architecture	$40,200	$200		$300
Electrical			$19,400	
Mechanical	$400	$400	$700	$500
Site Enclosure	$11,000			
Site Pavements	$1,800			
Total	**$56,500**	**$700**	**$27,400**	**$800**
Importance Code A	$3,300	$200	$7,600	$200
Importance Code B	$30,300	$200	$19,800	$600
Importance Code C	$22,900	$200		
Total	**$56,500**	**$700**	**$27,400**	**$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. 242
Asset # : 13133

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	75%			LIFE	* *	5	$13,100	
Masonry: Limestone	10%			LIFE	* *	5	$1,300	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
Location : Throughout								
Granite Panels	2%			LIFE	* *	5	$300	
Wood Overhead Doors	13%			2034	* *	5	$11,300	
Windows								
Aluminum	100%	Now	$3,000	2045	* *	5	$300	1
Broken/Missing Elements, Extent : Severe, Area Affected : 25%								
Location : Throughout								
Parapets								
Masonry: Brick	85%			LIFE	* *	5	$1,200	
Metal Cornice	15%			2057	* *	10	$700	
Roof								
Asphalt Shingle	80%			2038	* *	10	$1,100	
Modified Bitumen	20%			2034	* *	10	$1,700	
Interior								
Floors								
Cast in Place Concrete	50%	Now	$16,000	LIFE	* *	5	$7,900	
Recent Replace Evident, Extent : Light, Area Affected : 75%								
Location : Throughout								
Ceramic Tile	10%	Now	$1,500	2038	* *	5	$400	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Quarry Tile	5%			2042	* *	5	$500	
Vinyl Tile	35%	Now	$4,600	2029	$22,800	3	$900	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Interior Walls								
Ceramic Tile	5%			2038	* *	5	$500	
Gypsum Board	15%			LIFE	* *	5	$900	
Masonry: Brick	15%			LIFE	* *			
Plaster	60%	Now	$10,200	LIFE	* *	5	$1,800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Wood	5%			LIFE	* *	5	$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. 242
Asset # : 13133

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	15%	Now	$3,700	2042	* *	5	$500	
Misaligned/Bulging, Extent : Moderate, Area Affected : 30%								
Location : 2nd Floor Bathrooms								
Water Penetration, Extent : Light, Area Affected : 10%								
Location : Toilet								
Worn/Eroded, Extent : Light, Area Affected : 100%								
Location : Kitchen And Toilets								
Exposed Struc: Steel	20%			LIFE	* *			
Plaster	40%	Now	$4,000	LIFE	* *	5	$1,800	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Wood	25%			LIFE	* *	5	$15,700	
Site Enclosure								
Free Standing Walls								
Concrete Masonry Unit	100%	Now	$11,000	2049	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Rear Yard								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	* *			
On-Site Walkways								
Cast in Place Concrete	100%	Now	$1,800	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
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
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2029	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 200 Amperes								
Raceway								
Conduit	20%			2039	* *	1		
Conduit	80%			2029	$26,800	1		
Panelboards								
Molded Case Bkrs	50%			2028	$20,600	5	$100	
Molded Case Bkrs	50%			2037	* *	5	$100	
Wiring								
Thermoplastic	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. 242
Asset # : 13133

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								
Motor Controllers								
Locally Mounted	100%			2034	* *	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Water Main								
Lighting								
Interior Lighting								
Fluorescent	100%			2029	$13,900	10	$4,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout Building								
Explanation : T-8 Lamps								
Egress Lighting								
Exit, Service	50%			2029	$300	1		
Exit, Battery	50%			2029	$900	10	$200	
Exterior Lighting								
HID	100%			2024	$19,400	10		

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%			2039	* *	1		
Conversion Equipment								
Furnace	30%			2034	* *	1	$700	
Other Observation, Extent : Light, Area Affected : 30%								
Location : Roof								
Explanation : Serves 2nd Floor								
Hot Water Boiler	70%			2046	* *	1	$1,700	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Basement								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Natural Gas Fired Sectional Hot Water Boiler								
Distribution								
Hot Wtr Piping/Pump	100%			2037	* *	4	$200	
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$1,600	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	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. 242
Asset # : 13133

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								
Conversion Equipment								
Split Unit	2%			2034	* *			
Window/Wall Unit	78%			2027	$7,800	1		
No Component	20%							
Ventilation								
Exhaust Fans								
Interior	100%			2034	* *	2	$100	
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2046	* *	1		
Water Heater								
Gas Fired	100%			2028	$2,900	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2024	$200	4	$100	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	2%			2027	$600	1-3	$100	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **14-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **6369** **Lot** : **24**	**BIN**	: **3166596**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$39,800	$87,400
Electrical		$41,200
Mechanical	$44,300	
Total	**$84,000**	**$128,600**
Importance Code A	$84,000	$87,400
Importance Code B		$41,200
Total	**$84,000**	**$128,600**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$8,800			$300
Interior Architecture	$87,500	$200		$400
Electrical	$400	$500	$2,200	$400
Mechanical	$2,900	$500	$6,500	$700
Site Enclosure	$18,800			
Site Pavements	$10,600			
Total	**$129,000**	**$1,200**	**$8,700**	**$1,700**
Importance Code A	$8,800	$300	$300	$500
Importance Code B	$68,000	$1,000	$8,400	$1,100
Importance Code C	$52,200			
Total	**$129,000**	**$1,200**	**$8,700**	**$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. 243/LADDER CO. 168
Asset # : 13134

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								
Alum/Vinyl Siding	10%			2049	* *	10	$600	
Cast Stone/Terra Cotta	5%			LIFE	* *	5	$7,900	
Concrete Masonry Unit	5%			LIFE	* *	5	$600	
Masonry: Brick	80%	Now	$39,800	LIFE	* *	5	$16,200	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Windows								
Aluminum	100%			2045	* *	5	$500	
Parapets								
Cast Stone/Terra Cotta	40%			LIFE	* *	5	$1,500	
Masonry: Brick	60%	Now	$8,800	LIFE	* *	5	$300	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Roof								
Copper/Terne	5%			2057	* *	10	$900	
Copper/Terne	5%			2057	* *	10	$900	
Modified Bitumen	85%			2029	$87,400	10	$6,000	
Skylight, Metal/Glass	5%			2049	* *	10	$1,200	
Interior								
Floors								
Cast in Place Concrete	60%	Now	$19,200	LIFE	* *	5	$12,600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Ceramic Tile	5%			2038	* *	5	$500	
Quarry Tile	5%			2042	* *	5	$700	
Vinyl Tile	30%	Now	$13,100	2029	$26,100	3	$1,100	
Cracking/Crumbling, Extent : Severe, Area Affected : 60%								
Location : Throughout								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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	$1,200	2038	* *	5	$400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Masonry: Brick	10%	Now	$20,100	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Basement								
Paint Peeling, Extent : Severe, Area Affected : 75%								
Location : Basement								
Spalling, Extent : Severe, Area Affected : 25%								
Location : Basement								
Water Penetration, Extent : Severe, Area Affected : 100%								
Location : Basement								
Metal Panel	2%			LIFE	* *			
Plaster	56%	Now	$1,500	LIFE	* *	5	$2,700	
Paint Peeling, Extent : Severe, Area Affected : 5%								
Location : Weight Room								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Weight Room								
SGFT/Glazed Masonry	25%			LIFE	* *			
Wood	2%			LIFE	* *	5	$1,300	
Ceilings								
AcousTileSusp.Lay-In	5%			2042	* *	5	$500	
AcousTileSusp.Lay-In	30%			2046	* *	5	$2,800	
Embossed Metal	30%	Now	$10,600	LIFE	* *	5	$1,300	
Broken/Missing Elements, Extent : Light, Area Affected : 30%								
Location : Throughout								
Exposed Struc: Steel	5%	Now	$21,200	LIFE	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 25%								
Location : Underside Of Stairs								
Gypsum Board	10%			LIFE	* *	5	$1,200	
Plaster	20%			LIFE	* *	5	$1,200	
Site Enclosure								
Fence/Gates								
Chain Link	80%	Now	$18,800	2059	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Corrosion/Rusting, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Iron Picket	20%			2064	* *			
Free Standing Walls								
Cast in Place Concrete	100%			2064	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			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.
*** 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		
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%	Now	$7,600	2042	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 70%								
Location : Side Yard								
Tripping Hazard, Extent : Severe, Area Affected : 60%								
Location : Near Gate								
Parking/Driveway								
Cast in Place Concrete	100%	Now	$3,000	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : Throughout								

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%			2039	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Service Area								
Explanation : 200 Ampere Safety Switch Being Used As A Service Switch								
Raceway								
Conduit	100%			2039	* *	1		
Panelboards								
Molded Case Bkrs	100%			2028	$41,200	5	$200	
Wiring								
Thermoplastic	100%			2039	* *	1		
Motor Controllers								
Locally Mounted	100%			2034	* *	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Water Main								
Explanation : Main Water Pipe								
Stand-by Power								
Transfer Switches								
Automatic	100%			2046	* *	1	$1,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Service Area								
Explanation : Asco Type Switch.								
Generators								
Diesel	100%			2042	* *	1	$2,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Rear Yard								
Explanation : Onan Cummins Type Generator								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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%			2024	$1,600	5	$200	
Fuel Storage								
Main Tank	100%			2064	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Rear Yard								
Explanation : 60 Gallon Intergrated Tank								
Lighting								
Interior Lighting								
Fluorescent	100%			2029	$16,600	10	$5,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : T-12 Fixtures In Basement, 1st Floor And 2nd Floor: T-8 Fixtures								
Exterior Lighting								
HID	100%			2029	$23,200	10		

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%			2039	* *	1		
Conversion Equipment								
Hot Water Boiler	100%	0-2	$44,300	2049	* *	1	$2,600	
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Basement, Unreliable Boiler Burner Operation								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Natural Gas Fired Sectional Hot Water Boilers								
Distribution								
Hot Wtr Piping/Pump	100%			2037	* *	4	$300	
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Split Unit	25%			2034	* *			
Window/Wall Unit	50%			2024	$6,000	1		
No Component	25%							
Ventilation								
Exhaust Fans								
Roof	60%			2029	$5,700	2	$100	
Wall Unit	40%			2029	$800	2	$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
ENGINE CO. 243/LADDER CO. 168
Asset # : 13134

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								
Galvanized Steel	100%			2034	* *	1		
Other Observation, Extent : Light, Area Affected : 5%								
Location : Incoming Water Service								
Explanation : Obsolete Material / Water Service From Street								
Water Heater								
Gas Fired	100%			2027	$3,500	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 74 Gallon Unit								
Sanitary Piping								
Cast Iron	100%	Now	$2,100	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 30%								
Location : Second Floor Water Closet								
Storm Drain Piping								
Cast Iron	100%	Now	$600	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Floor Drains								
Backflow Preventer								
No Component	98%							
Generic	2%			2034	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Boiler Only								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	2%			2027	$600	1-3	$100	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **09-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **7279** **Lot** : **290**	**BIN**	: **3196591**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$150,400	$592,200
Interior Architecture	$35,500	$52,400
Electrical		$10,300
Total	**$186,000**	**$654,900**
Importance Code A	$150,400	$592,200
Importance Code B		$62,700
Importance Code C	$35,500	
Total	**$186,000**	**$654,900**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$29,900		$3,900	
Interior Architecture	$4,000		$22,800	$300
Electrical	$6,600	$600	$6,600	$800
Mechanical	$500	$500	$12,900	$700
Site Enclosure		$17,100		
Total	**$40,800**	**$18,300**	**$46,200**	**$1,800**
Importance Code A	$30,000	$100	$4,100	$100
Importance Code B	$10,900	$1,000	$37,700	$1,700
Importance Code C		$17,100	$4,400	
Total	**$40,800**	**$18,300**	**$46,200**	**$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. 245/LADDER CO. 161 / BATTALION 43/ 60TH PRECINCT

Asset # : 13135

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	75%	Now	$60,200	LIFE	* *	5	$37,400	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Efflorescence, Extent : Light, Area Affected : 20%								
Location : Rear Elevation								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 35%								
Location : Throughout								
Metal Panel	5%	Now	$400	2049	* *	5	$4,700	
Deformed/Dented, Extent : Light, Area Affected : 5%								
Location : Front Elevation								
Deteriorated Finish, Extent : Light, Area Affected : 5%								
Location : Front Elevation								
Metal Sect. OHD	5%			2042	* *	5	$7,800	
Pre-Cast Concrete	15%	Now	$13,200	LIFE	* *	5	$24,300	
Caulking Deteriorated, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Windows								
Aluminum	100%			2054	* *	5	$6,100	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Parapets								
Masonry: Brick	80%	Now	$90,300	LIFE	* *	5	$3,700	1
Cracking/Crumbling, Extent : Severe, Area Affected : 45%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 55%								
Location : Throughout								
Metal Panel	10%			2039	* *	5	$1,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Metal Coping At Parapet								
Metal Rail	10%	Now	$1,300	2034	* *	5	$3,200	
Deformed/Dented, Extent : Moderate, Area Affected : 50%								
Location : West Elevation								
Roof								
Modified Bitumen	100%	4+	$11,100	2029	$554,800			
Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 2%								
Location : 1st Floor Rear - Downspout Missing								
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		
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%			LIFE	* *	5	$52,400	
Ceramic Tile	35%			2044	* *	5	$15,300	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Second Floor And Toilets								
Terrazzo	5%			LIFE	* *	5	$1,700	
Vinyl Tile	5%	Now	$4,000	2029	$19,800	3	$800	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Throughout								
Worn/Eroded, Extent : Moderate, Area Affected : 65%								
Location : Throughout								
Interior Walls								
Ceramic Tile	15%			2044	* *	5	$8,900	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Laundry, Toilets And Locker Room								
Gypsum Board	5%			LIFE	* *	5	$1,800	
Plaster	35%	Now	$35,500	LIFE	* *	5	$6,200	
Deteriorated Finish, Extent : Light, Area Affected : 20%								
Location : Throughout								
SGFT/Glazed Masonry	40%			LIFE	* *			
Wood	5%			LIFE	* *	5	$11,800	
Ceilings								
AcousTileSusp.Lay-In	50%			2049	* *	5	$21,500	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Staining/Discoloring, Extent : Light, Area Affected : 3%								
Location : 2nd Floor Office								
Exposed Concrete	20%			LIFE	* *	5	$1,300	
Plaster	30%			LIFE	* *	5	$8,100	
Site Enclosure								
Fence/Gates								
Wood	100%			2023	$17,100			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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.
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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		
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%			2055	* *	5		
Switchgear / Switchboard								
Molded Case Bkrs	100%			2055	* *	5	$200	
Raceway								
Conduit	30%			2029	$10,000	1		
Conduit	70%			2049	* *	1		
Panelboards								
Molded Case Bkrs	25%			2028	$10,300	5	$100	
Molded Case Bkrs	75%			2045	* *	5	$200	
Wiring								
Braided Cloth	20%	Now	$5,900	2054	* *	1		
Insulation Aged, Extent : Severe, Area Affected : 20%								
Location : Basement								
Thermoplastic	80%			2049	* *	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Controls For Heating System								
Ground								
Grounding Devices								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Police Department Basement								
Explanation : Ground Connection In Adjacent Police Building								
Stand-by Power								
Transfer Switches								
Automatic	100%			2046	* *	1	$2,700	
Generators								
Diesel	100%			2042	* *	1	$3,400	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Outside								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : Generator Is Under Construction.								
Batteries								
Not Accessible	100%							
Fuel Storage								
Not Accessible	100%							
Lighting								

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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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Interior Lighting								
Fluorescent	50%			2034	* *	10	$4,000	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Fluorescent	25%			2034	* *	10	$2,000	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout Building								
LED	25%			2037	* *			
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Egress Lighting								
Exit, Service	100%			2037	* *	1		
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout Building								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Fed From Emergency Generator In 60th Precinct								
Exterior Lighting								
HID	100%			2034	* *	10		
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Building Exterior								

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%			2049	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : 60th Precinct								
Explanation : Service From Adjacent Building								
Conversion Equipment								
Furnace	30%			2037	* *	1	$1,300	
Not Accessible	70%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Building								
Explanation : Supplied From Adjacent 60th Precinct								
Distribution								
Hot Wtr Piping/Pump	100%			2037	* *	4	$400	
Terminal Devices								
Convector/Radiator	90%			2034	* *	1	$2,500	
Unit Heater - Steam	10%			2029	$3,100	4	$100	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		

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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		
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	30%			2037	* *	2	$200	
Window/Wall Unit	50%			2024	$9,000	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Building								
Explanation : Window Units Compensate For Ineffective Cooling Provided From Adjacent 60th Precinct								
No Component	20%							
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2	$11,300	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$4,800	
Exhaust Fans								
Roof	50%			2037	* *	2	$100	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Roof								
Wall Unit	50%			2029	$1,500	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Electric	100%			2027	$7,600	4	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 120 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%			2034	* *	4	$300	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	2%			2027	$600	1-3	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Serves Cooking Area								
No Component	98%							

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **09-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Floors 1,2**		
Block	: **8761** **Lot** : **38**	**BIN**	: **3246894**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$55,800	
Electrical		$72,800
Total	**$55,800**	**$72,800**
Importance Code A	$55,800	
Importance Code B		$72,800
Total	**$55,800**	**$72,800**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture			$17,900	
Interior Architecture	$106,800		$900	$600
Electrical	$25,100	$100	$6,900	
Mechanical	$31,100	$900	$8,700	$1,200
Total	**$163,000**	**$1,000**	**$34,400**	**$1,800**
Importance Code A	$400	$400	$18,300	$400
Importance Code B	$134,600	$600	$15,700	$1,500
Importance Code C	$28,000		$400	
Total	**$163,000**	**$1,000**	**$34,400**	**$1,800**



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FIRE DEPARTMENT - 057
ENGINE CO. 246/LADDER CO. 169
Asset # : 13136

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								
Alum/Vinyl Siding	5%			2039	* *	10	$300	
Masonry: Brick	70%			LIFE	* *	5	$14,400	
Masonry: Granite	5%			LIFE	* *	5	$800	
Masonry: Limestone	5%			LIFE	* *	5	$800	
Wood Overhead Doors	15%			2034	* *	5	$15,500	
Windows								
Aluminum	100%	2-4	$55,800	2037	* *	5	$1,600	
Deteriorated Finish, Extent : Light, Area Affected : 100%								
Location : Throughout								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Explanation : Windows Are Single Glazed With Plexiglass Installed In Many Panes. They Are Generally Operable								
Parapets								
Masonry: Brick	85%			LIFE	* *	5	$2,100	
Masonry: Limestone	15%			LIFE	* *	5	$500	
Roof								
Asphalt Shingle	5%			2038	* *	10	$100	
Modified Bitumen	95%			2034	* *	10	$10,200	
Interior								
Floors								
Cast in Place Concrete	45%	0-2	$5,700	LIFE	* *	5	$11,300	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Ceramic Tile	8%			2044	* *	5	$900	
Quarry Tile	5%			2042	* *	5	$900	
Vinyl Tile	30%	Now	$31,200	2039	* *	3	$1,300	
Broken/Missing Elements, Extent : Severe, Area Affected : 100%								
Location : 2nd Floor								
Worn/Eroded, Extent : Severe, Area Affected : 100%								
Location : 2nd Floor								
Vinyl Tile 9" X 9"	10%	Now	$13,500	2039	* *	3	$400	
Broken/Missing Elements, Extent : Severe, Area Affected : 80%								
Location : Bunker Room And Exercise Room								
Cracking/Crumbling, Extent : Severe, Area Affected : 80%								
Location : Bunker Room And Exercise Room								
Wood	2%			2057	* *	5	$400	

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FIRE DEPARTMENT - 057
ENGINE CO. 246/LADDER CO. 169
Asset # : 13136

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	25%	4+	$26,600	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Basement, Oil Tank Room, Boiler Room, Stairwell								
Ceramic Tile	5%			2044	* *	5	$800	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Concrete Masonry Unit	2%			LIFE	* *	5	$100	
Gypsum Board	20%	0-2	$1,400	LIFE	* *	5	$1,900	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Masonry: Brick	10%			LIFE	* *			
Plaster	20%			LIFE	* *	5	$900	
Plywood/Hardboard	8%			LIFE	* *			
SGFT/Glazed Masonry	10%			LIFE	* *			
Ceilings								
AcousTileConcealSpLn	50%	Now	$19,800	2042	* *	5	$3,600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : 2nd Floor								
Staining/Discoloring, Extent : Moderate, Area Affected : 25%								
Location : 2nd Floor								
Plaster	50%	Now	$8,000	LIFE	* *	5	$3,600	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor, Apparatus Area								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2039	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Under Construction	100%							

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%			2029	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Main Service Disconnect Switch Rated At 400 Amperes.								

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FIRE DEPARTMENT - 057
ENGINE CO. 246/LADDER CO. 169
Asset # : 13136

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								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	$52,200	5	$200	
Enclosure Corroded, Extent : Light, Area Affected : 25%								
Location : Basement								
Raceway								
Conduit	100%			2029	$33,500	1		
Panelboards								
Molded Case Bkrs	50%			2037	* *	5	$100	
Molded Case Bkrs	50%			2028	$20,600	5	$100	
Wiring								
Braided Cloth	50%	2-4	$14,800	2054	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Thermoplastic	50%			2039	* *	1		
Ground								
Grounding Devices								
Generic	100%	0-2	$10,200	LIFE	* *	5	$100	
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Lighting								
Interior Lighting								
Fluorescent	98%			2034	* *	10	$6,700	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Fluorescent	2%			2029	$400	10	$100	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Lounge Area								
Exterior Lighting								
HID	25%			2029	$7,500	10		
No Component	75%							
Alarm								
Security System								
No Component	90%							
Generic	10%			2029	$2,400	1	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front Only								
Explanation : CCTV Surveillance Cameras								

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%			2055	* *	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. 246/LADDER CO. 169
Asset # : 13136

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								
Hot Water Boiler	100%			2046	* *	1	$3,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Boiler								
Distribution								
Hot Wtr Piping/Pump	100%	0-2	$200	2037	* *	4	$400	
Insul. Deteriorating, Extent : Moderate, Area Affected : 30%								
Location : Basement								
Terminal Devices								
Convector/Radiator	80%	0-2	$1,600	2027	$32,000	1	$1,700	
Damaged, Extent : Moderate, Area Affected : 15%								
Location : Convector covers, Various locations								
Fan Coil Unit/Heat	20%			2037	* *	1	$500	
Air Conditioning								
Energy Source								
Electricity	100%			2051	* *	1		
Conversion Equipment								
Window/Wall Unit	50%			2024	$7,800	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	* *	2-5	$400	
No Component	90%							
Exhaust Fans								
Roof	10%			2037	* *	2		
Wall Unit	25%			2029	$700	2	$100	
No Component	65%							
Plumbing								
H/C Water Piping								
Brass/Copper	80%			2039	* *	1		
Galvanized Steel	20%			2027	$6,600	1		
Water Heater								
Gas Fired	100%			2027	$4,600	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$300	4	$200	
Fixtures								
Generic	100%							
Fire Suppression								

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FIRE DEPARTMENT - 057
ENGINE CO. 246/LADDER CO. 169
Asset # : 13136

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								
Generic	100%			2022	$27,900	1-3	$4,000	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **14-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **5719** **Lot** : **22**	**BIN**	: **3141309**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$147,300	
Mechanical	$41,300	
Total	**$188,600**	
Importance Code A	$188,600	
Total	**$188,600**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$58,100		$3,800	
Interior Architecture	$31,700		$3,900	
Electrical	$14,900		$25,700	
Mechanical	$2,100	$400	$3,700	$600
Site Enclosure	$3,000			
Site Pavements	$3,000			
Total	**$112,800**	**$500**	**$37,100**	**$600**
Importance Code A	$58,100	$300	$4,100	$300
Importance Code B	$29,000	$200	$33,000	$300
Importance Code C	$25,800			
Total	**$112,800**	**$500**	**$37,100**	**$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. 247
Asset # : 13137

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	$6,600	LIFE	* *	5	$5,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : North Facade								
Copper/Terne	2%			2049	* *	10	$700	
Masonry: Brick	20%	Now	$29,600	LIFE	* *	5	$3,000	
Diagonal Cracks, Extent : Moderate, Area Affected : 10%								
Location : Main Facade								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : Main Facade								
Masonry: Brick	63%			LIFE	* *	5	$9,500	
Wood Overhead Doors	10%			2034	* *	5	$7,600	
Windows								
Aluminum	100%			2037	* *	5	$900	
Parapets								
Cast Stone/Terra Cotta	5%	Now	$600	LIFE	* *	5	$400	
Open Joints, Extent : Light, Area Affected : 20%								
Location : Throughout								
Masonry: Brick	95%			LIFE	* *	5	$900	
Roof								
Asphalt Shingle	10%	Now	$3,000	2044	* *			1
Broken/Missing Elements, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Built-Up (BUR)	70%	2-4	$82,900	2039	* *			
Water Penetration, Extent : Light, Area Affected : 10%								
Location : Into 2nd Floor Toilet								
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Modified Bitumen	15%	0-2	$17,800	2039	* *			1
Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 60%								
Location : Throughout								
Water Penetration, Extent : Light, Area Affected : 10%								
Location : Throughout								
Skylight, Metal/Glass	5%	0-2	$64,500	2059	* *			
Unit Inoperable, Extent : Moderate, Area Affected : 100%								
Location : Roof								
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	* *	5	$6,500	
Ceramic Tile	5%			2044	* *	5	$400	
Quarry Tile	5%			2042	* *	5	$600	
Wood	50%			2044	* *	5	$7,000	

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. 247
Asset # : 13137

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								
Masonry: Brick	40%	Now	$17,000	LIFE	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : Basement								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 25%								
Location : Basement								
Water Penetration, Extent : Light, Area Affected : 10%								
Location : Basement								
Metal Panel	10%	0-2	$800	LIFE	* *			
Deformed/Dented, Extent : Light, Area Affected : 10%								
Location : Throughout								
Plaster	45%	Now	$2,000	LIFE	* *	5	$1,400	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Wood	5%			LIFE	* *	5	$2,000	
Ceilings								
AcousTileSusp.Lay-In	5%			2034	* *	5	$400	
Embossed Metal	50%	4+	$8,700	LIFE	* *	5	$1,700	
Deteriorated Finish, Extent : Light, Area Affected : 10%								
Location : Throughout								
Exposed Concrete	15%			LIFE	* *	5	$200	
Gypsum Board	5%	Now	$400	LIFE	* *	5	$500	
Water Penetration, Extent : Light, Area Affected : 20%								
Location : 2nd Floor Toilet								
Plaster	25%	0-2	$2,600	LIFE	* *	5	$1,200	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Site Enclosure								
Fence/Gates								
Chain Link	50%	2-4	$3,000	2039	* *			
Corrosion/Rusting, Extent : Light, Area Affected : 10%								
Location : Throughout								
Iron Picket	50%			2064	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%	Now	$3,000	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Rear Yard And Walkway Along Side Of Building								
Parking/Driveway								
Cast in Place Concrete	100%			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.
*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 247
Asset # : 13137

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%			2029	$5,200	5		
Raceway								
Conduit	100%			2029	$33,500	1		
Panelboards								
Fused Knife Sw	80%			2028	$32,900	5	$100	
Molded Case Bkrs	20%			2037	* *	5		
Wiring								
Thermoplastic	100%			2039	* *	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5		
Ground								
Grounding Devices								
Generic	100%	0-2	$10,200	LIFE	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Water Main								
Lighting								
Interior Lighting								
Fluorescent	30%	Now	$4,700	2039	* *			
Obsolete Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement Area								
Fluorescent	70%			2034	* *	10	$3,400	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : 1st And 2nd Floor								
Egress Lighting								
Exit, Service	100%			2024	$600	1		
Exterior Lighting								
HID	100%			2024	$21,600	10		

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%			2049	* *	1		
Conversion Equipment								
Hot Water Boiler	100%	0-2	$41,300	2049	* *	1	$2,400	
On Extended Life, Extent : Severe, Area Affected : 100%								
Location : Basement								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Unit								
Distribution								
Hot Wtr Piping/Pump	100%			2037	* *	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. 247
Asset # : 13137

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								
Convector/Radiator	100%			2034	* *	1	$1,700	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Window/Wall Unit	70%			2027	$7,800	1		
No Component	30%							
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2027	$23,500	1		
Water Heater								
Gas Fired	100%			2024	$3,300	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 74 Gallon Units								
Sanitary Piping								
Cast Iron	100%	Now	$2,000	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 50%								
Location : Engine Bay Drains								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
Obsolete Fixtures, Extent : Moderate, Area Affected : 40%								
Location : Bathrooms And Kitchen								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 : **29-May-2018**
Landmark Status : **NONE**
Areas Surveyed : **Basement, Roof, Floors 1,2**
Block : **5111** **Lot** : **24** **BIN** : **3117400**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$70,900	$65,200
Total	**$70,900**	**$65,200**
Importance Code A	$70,900	$65,200
Total	**$70,900**	**$65,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$15,500		$12,300	
Interior Architecture	$2,300	$3,600		$100
Electrical			$33,100	$100
Mechanical	$200	$200	$9,600	$500
Site Pavements	$600			
Total	**$18,600**	**$3,800**	**$54,900**	**$700**
Importance Code A	$15,500		$12,300	
Importance Code B	$2,500	$3,400	$42,600	$700
Importance Code C	$600	$400		
Total	**$18,600**	**$3,800**	**$54,900**	**$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
ENGINE CO. 248 (COMBINED FACILITY) 67TH PCT
Asset # : 13138

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	2%			LIFE	* *	5	$2,700	
Masonry: Brick	17%			LIFE	* *	5	$4,600	
Metal Sect. OHD	6%	0-2	$10,700	2042	* *	5	$2,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front Of Building								
Explanation : Overhead Door Is Fiberglass. Hardware, Springs, Chains And Locks Breakdown Frequently								
Pre-Cast Concrete	75%	Now	$70,900	LIFE	* *	5	$65,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Column At Front Facade								
Windows								
Aluminum	100%			2051	* *	5	$700	
Parapets								
Cast in Place Concrete	75%			LIFE	* *	5	$13,600	
Recent Repair Evident, Extent : Light, Area Affected : 10%								
Location : Throughout								
Metal Rail	25%			2042	* *	5-10	$7,900	
Roof								
Built-Up (BUR)	100%			2034	* *	10	$12,300	
Interior								
Floors								
Cast in Place Concrete	35%			LIFE	* *	5	$9,600	
Ceramic Tile	50%			2038	* *	5	$6,300	
Recent Replace Evident, Extent : Light, Area Affected : 50%								
Location : 2nd Floor								
Terrazzo	10%			LIFE	* *	5	$1,000	
Vinyl Tile	5%	Now	$2,300	2034	* *	3	$200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : 1st Floor								
Interior Walls								
Ceramic Tile	10%			2038	* *	5	$900	
Gypsum Board	5%			LIFE	* *	5	$300	
Plaster	45%			LIFE	* *	5	$1,200	
SGFT/Glazed Masonry	40%			LIFE	* *			
Ceilings								
AcousTileConcealSpLn	55%			2046	* *	5	$8,600	
Recent Replace Evident, Extent : Light, Area Affected : 90%								
Location : 2nd Floor								
Exposed Concrete	40%			LIFE	* *	5	$800	
Metal Panel	5%			LIFE	* *	5	$800	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	* *			
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. 248 (COMBINED FACILITY) 67TH PCT
Asset # : 13138

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								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Asphalt	100%	Now	$600	2038	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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								
Raceway								
Conduit	100%			2029	$33,500	1		
Panelboards								
Molded Case Bkrs	100%			2045	* *	5	$200	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout Building								
Wiring								
Thermoplastic	100%			2049	* *	1		
Lighting								
Interior Lighting								
Fluorescent	90%			2037	* *	10	$6,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : T-8 Lamps								
Fluorescent	10%			2024	$2,200	10	$700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Stair And 1st Floor Kitchen								
Explanation : T-12 Lamps								
Egress Lighting								
Exit, Service	100%			2034	* *	1		
Not Functioning, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Exterior Lighting								
HID	100%			2024	$30,200	10		

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								

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

FIRE DEPARTMENT - 057
ENGINE CO. 248 (COMBINED FACILITY) 67TH PCT
Asset # : 13138

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%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Basement Of Precinct								
Explanation : Located In Adjacent 67th Police Precinct								
Conversion Equipment								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Basement Of Precinct								
Explanation : Heating Unit Located In Adjacent 67th Police Precinct								
Distribution								
Hot Wtr Piping/Pump	100%			2037	* *	4	$400	
Terminal Devices								
Convector/Radiator	80%			2034	* *	1	$1,900	
Unit Heater - Steam	10%			2029	$2,700	4	$100	
No Component	10%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Locker Room								
Explanation : No Heating Device								
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Split Unit	30%			2037	* *			
Window/Wall Unit	50%			2024	$7,800	1		
No Component	20%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : No Air Conditioning In Locker Room								
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2	$1,900	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	90%			LIFE	* *	2-5	$3,800	
Obsolete Equipment, Extent : Moderate, Area Affected : 100%								
Location : 2nd Floor								
No Component	10%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : No Air Ventilation In Locker Room								
Exhaust Fans								
Interior	30%			2029	$8,000	2	$100	
Roof	70%			2037	* *	2	$200	
Plumbing								
H/C Water Piping								
Brass/Copper	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. 248 (COMBINED FACILITY) 67TH PCT
Asset # : 13138

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								
Electric	100%			2029	$6,600	4		
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Two 120-gallon Unit Heaters								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Backflow Preventer								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Precinct Basement								
Explanation : Water Main Is Located In Adjacent Police Precinct								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	2%			2024	$600	1-3	$100	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **29-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2,3**		
Block	: **5033** **Lot** : **4**	**BIN**	: **3114990**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$62,900	
Electrical		$32,900
Mechanical		$36,100
Total	**$62,900**	**$69,000**
Importance Code A	$62,900	
Importance Code B		$69,000
Total	**$62,900**	**$69,000**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$37,800		$2,800	$200
Interior Architecture	$48,300	$600	$400	$400
Electrical	$10,700	$100	$100	$100
Mechanical	$400	$500	$4,000	$600
Site Enclosure			$200	
Site Pavements	$4,800			
Total	**$102,000**	**$1,300**	**$7,400**	**$1,300**
Importance Code A	$38,100	$200	$3,100	$400
Importance Code B	$38,100	$800	$4,100	$800
Importance Code C	$25,800	$300	$200	
Total	**$102,000**	**$1,300**	**$7,400**	**$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. 249/LADDER CO. 113
Asset # : 13139

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	20%			LIFE	* *	5	$3,300	
Efflorescence, Extent : Light, Area Affected : 20%								
Location : Rear Of Buliding								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Third Floor								
Explanation : A Third Floor Was Added In 1998								
Masonry: Brick	60%	Now	$62,900	LIFE	* *	5	$9,800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : South Facade Near Rear Door And Throughout								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 25%								
Location : Lower Section Of South Facade								
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : Lower Section Of South Facade								
Masonry: Limestone	10%			LIFE	* *	5	$1,200	
Slate Panels	3%	Now	$13,600	LIFE	* *	5	$400	
Cracking/Crumbling, Extent : Severe, Area Affected : 70%								
Location : Base Of Front Facade								
Wood Overhead Doors	7%			2034	* *	5	$5,700	
Windows								
Aluminum	100%			2045	* *	5	$400	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5	$500	
Masonry: Brick	90%	Now	$3,500	LIFE	* *	5	$600	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%								
Location : Throughout								
Roof								
Modified Bitumen	100%	Now	$20,700	2034	* *			
Vegetation Growth, Extent : Light, Area Affected : 10%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Locker Room And Weight Room								
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	* *	5	$6,900	
Ceramic Tile	10%			2038	* *	5	$700	
Quarry Tile	5%	2-4	$10,800	2049	* *	5	$300	
Worn/Eroded, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Vinyl Tile	40%	Now	$12,800	2034	* *	3	$1,100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Throughout								

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

FIRE DEPARTMENT - 057
ENGINE CO. 249/LADDER CO. 113
Asset # : 13139

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%			2038	* *	5	$500	
Concrete Masonry Unit	10%			LIFE	* *	5	$200	
Gypsum Board	45%			LIFE	* *	5	$1,400	
Masonry: Brick	20%	Now	$21,800	LIFE	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 25%								
Location : Basement								
Paint Peeling, Extent : Severe, Area Affected : 75%								
Location : Basement								
Spalling, Extent : Severe, Area Affected : 30%								
Location : Basement								
Plaster	15%	Now	$300	LIFE	* *	5	$200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Locker Room								
Ceilings								
AcousTileSusp.Lay-In	10%			2034	* *	5	$700	
Embossed Metal	20%			LIFE	* *	5	$600	
Exposed Struc: Steel	20%			LIFE	* *			
Plaster	50%	Now	$2,500	LIFE	* *	5	$2,200	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Water Penetration, Extent : Light, Area Affected : 10%								
Location : Locker Room And Weight Room								
Site Enclosure								
Fence/Gates								
Aluminum Rail	5%			2034	* *	5-10	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof Level								
Explanation : Rail At Roof Level								
Chain Link	45%			2049	* *			
Iron Picket	5%			2064	* *			
Wood	45%			2030	$5,500			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	$1,200	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	100%	Now	$3,600	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Front Of 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
ENGINE CO. 249/LADDER CO. 113
Asset # : 13139

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%			2039	* *	5		
Switchgear / Switchboard								
Fused Disc Sw	100%			2039	* *	5		
Raceway								
Conduit	80%			2039	* *	1		
Conduit	20%			2039	* *	1		
Panelboards								
Molded Case Bkrs	80%			2028	$32,900	5	$100	
Molded Case Bkrs	20%			2045	* *	5		
Wiring								
Thermoplastic	80%			2049	* *	1		
Not Accessible	20%							
Motor Controllers								
Locally Mounted	100%			2034	* *	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Near Water Service.								
Explanation : Recently Installed Ground For Main Service.								
Lighting								
Interior Lighting								
LED	100%			2034	* *			
Egress Lighting								
Exit, LED	90%			2057	* *	1		
Exit, Service	10%	Now	$100	2039	* *	1		
Not Functioning, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : First Floor Exit Lights Are Not Operational.								
Exterior Lighting								
HID	100%			2029	$19,400	10		
Alarm								
Fire/Smoke Detection								
No Component	80%							
Generic, Analog	20%	Now	$10,600	2039	* *	1-3	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Not Functional								

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								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future 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. 249/LADDER CO. 113
Asset # : 13139

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%			2049	* *	1		
Conversion Equipment								
Furnace	60%			2029	$6,800	1	$1,400	
Other Observation, Extent : Light, Area Affected : 60%								
Location : Roof								
Explanation : 3 Rooftop Package Units								
Hot Water Boiler	40%			2042	* *	1	$1,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	40%			2045	* *	4	$100	
No Component	60%							
Terminal Devices								
Convector/Radiator	30%			2034	* *	1	$500	
Unit Heater - Steam	10%			2029	$1,700	4		
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Unit Heaters Serve Truck Bays								
No Component	60%							
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	60%			2029	$36,100	2	$200	
R-22 Refrigerant, Extent : Light, Area Affected : 60%								
Location : Roof								
Other Observation, Extent : Light, Area Affected : 60%								
Location : Roof								
Explanation : 3 Rooftop Package Units								
Window/Wall Unit	20%			2024	$2,000	1		
No Component	20%							
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2	$6,200	
Ventilation								
Exhaust Fans								
Roof	100%			2029	$8,000	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2027	$2,900	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 74 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
ENGINE CO. 249/LADDER CO. 113
Asset # : 13139

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								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%			2034	* *	4	$200	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2039	* *	1-2	$1,400	
Chemical System								
Wet	2%			2027	$600	1-3	$100	
No Component	98%							

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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **14-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **6499** **Lot** : **11**	**BIN**	: **3170273**

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$4,000		$7,800	$900
Interior Architecture	$15,100	$200	$200	$300
Electrical	$1,700		$100	
Mechanical	$5,300	$700	$20,700	$800
Site Pavements	$11,300			
Total	**$37,300**	**$900**	**$28,800**	**$2,000**
Importance Code A	$4,500	$500	$8,300	$1,400
Importance Code B	$17,000	$400	$20,500	$600
Importance Code C	$15,700			
Total	**$37,300**	**$900**	**$28,800**	**$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. 250
Asset # : 13140

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	88%			LIFE	* *	5	$22,100	
Painted Surfaces, Extent : Moderate, Area Affected : 50%								
Location : East And West Facades								
Masonry: Granite	2%			LIFE	* *	5	$400	
Masonry: Limestone	5%			LIFE	* *	5	$900	
Metal Sect. OHD	5%			2042	* *	5	$3,900	
Windows								
Aluminum	100%			2045	* *	5	$1,900	
Parapets								
Masonry: Brick	87%	0-2	$2,000	LIFE	* *	5	$1,600	
Paint Peeling, Extent : Light, Area Affected : 5%								
Location : Throughout								
Masonry: Limestone	3%			LIFE	* *	5	$100	
Metal Panel	10%			2049	* *	5	$700	
Roof								
Modified Bitumen	98%			2034	* *	10	$7,400	
Skylight, Metal/Glass	2%			2039	* *	10	$500	
Interior								
Floors								
Cast in Place Concrete	50%	Now	$2,200	LIFE	* *	5	$8,700	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Ceramic Tile	5%			2038	* *	5	$400	
Quarry Tile	10%			2042	* *	5	$1,200	
Terrazzo	5%			LIFE	* *	5	$300	
Vinyl Tile	30%	Now	$2,200	2029	$21,700	3	$900	
Broken/Missing Elements, Extent : Severe, Area Affected : 100%								
Location : Basement								
Interior Walls								
Ceramic Tile	5%			2032	* *	5	$500	
Gypsum Board	10%			LIFE	* *	5	$700	
Masonry: Brick	35%			LIFE	* *			
Marble Panels	5%			LIFE	* *			
Plaster	45%	Now	$4,200	LIFE	* *	5	$1,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Various Locations 2nd Floor								
Ceilings								
AcousTileSusp.Lay-In	5%			2034	* *	5	$400	
Exposed Concrete	45%			LIFE	* *	5	$600	
Plaster	50%	Now	$5,600	LIFE	* *	5	$2,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Various Locations 2nd Floor, Roof Access								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	* *			

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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. 250
Asset # : 13140

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								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%	Now	$11,300	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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%			2029	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Main Service Switch Rated At 200 Amperes.								
Raceway								
Conduit	100%			2029	$33,500	1		
Panelboards								
Fused Disc Sw	10%			2028	$4,100	5		
Molded Case Bkrs	90%			2037	* *	5	$100	
Wiring								
Thermoplastic	100%			2039	* *	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
Fluorescent	70%			2037	* *	10	$3,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
HID	30%			2034	* *	10		
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : LED								
Exterior Lighting								
HID	100%			2029	$19,900	10		
Alarm								

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. 250
Asset # : 13140

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
Alarm								
Security System								
No Component	90%							
Generic	10%	Now	$1,600	2039	* *	1	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement.								
Explanation : Water Penetrates The Basement Area Through The Communications Conduit.								

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%			2055	* *	1		
Conversion Equipment								
Steam Boiler	100%			2046	* *	1	$4,900	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Basement								
Distribution								
Central Plant Steam Piping/Pmp	100%			2049	* *	4	$200	
Terminal Devices								
Convector/Radiator	80%			2034	* *	1	$1,300	
Fan Coil Unit/Heat	20%			2024	$14,800	1	$300	
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Window/Wall Unit	50%			2024	$5,100	1		
No Component	50%							
Ventilation								
Exhaust Fans								
Roof	10%			2034	* *	2		
Wall Unit	20%			2029	$400	2		
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2027	$3,000	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit Insufficient For Building								

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

FIRE DEPARTMENT - 057
ENGINE CO. 250
Asset # : 13140

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								
HW Heat Exchanger								
HTHW/HW	100%	0-2	$4,300	2049	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof And Basement								
Explanation : This Is A Solar Powered Heat Exchanger. Not Properly Heating Water								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%	0-2	$200	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 10%								
Location : 1st Floor								
Sump Pump(s)								
Submersible	100%	0-2	$200	2024	$200	4	$100	
On Extended Life, Extent : Severe, Area Affected : 100%								
Location : Basement								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	2%			2027	$600	1-3	$100	
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.
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Print Date : 26-Oct-2020

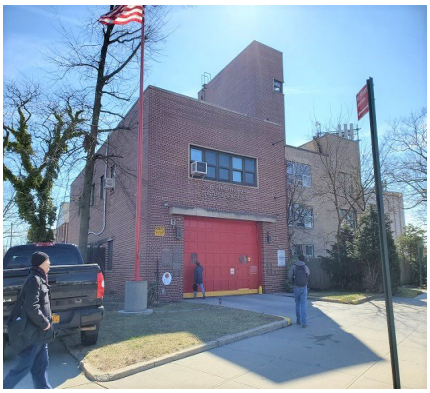
FIRE DEPARTMENT - FY 2021

Asset Name : **ENGINE CO. 251**
Address : **254-20 UNION TURNPIKE**
Borough : **QUEENS**
Program / Asset # : **FIRSECO.251 / 13141**
Area Sq Ft : **6,373**
Date of Survey : **05-Mar-2020**
Areas Surveyed : **Basement, Roof, Floors 1,2**
Block : **8691** **Lot** : **13**

Agency's Number : **N/A**
Yr Built/Renovated : **1952 / 2001**
Project Type : **FIRE DEPARTMENT**
Landmark Status : **NONE**
BIN : **4177508**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$326,500	$133,300
Interior Architecture	$193,600	$47,600
Electrical		$20,600
Total	**$520,100**	**$201,500**
Importance Code A	$326,500	$133,300
Importance Code B	$122,900	$68,200
Importance Code C	$70,700	
Total	**$520,100**	**$201,500**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$26,600			
Interior Architecture	$64,100		$800	$700
Electrical	$15,600	$500	$600	$2,100
Mechanical	$4,200	$900	$7,500	$900
Site Enclosure	$18,100			
Site Pavements	$13,400			
Total	**$141,900**	**$1,300**	**$8,900**	**$3,700**
Importance Code A	$27,200	$600	$600	$600
Importance Code B	$67,200	$700	$7,900	$3,000
Importance Code C	$47,500		$400	
Total	**$141,900**	**$1,300**	**$8,900**	**$3,700**



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. 251
Asset # : 13141

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	85%	Now	$240,700	LIFE	* *	5	$18,700	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Throughout Rear Facade, Bulkhead								
Repointing Failure, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor, Above 2nd Floor Windows								
Spalling, Extent : Moderate, Area Affected : 15%								
Location : Bulkhead, Above Windows And Doors								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Explanation : No Weeps In Exterior Brick Masonry								
Pre-Cast Concrete	3%	Now	$11,600	LIFE	* *	5	$2,100	
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : Above Overhead Door And Above Windows								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
Location : Above Overhead Door								
Wood Overhead Doors	12%			2036	* *	5	$13,200	
Windows								
Aluminum	100%	Now	$3,900	2047	* *	5	$900	
Glazing Broken/Cracked, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Floor								
Parapets								
Masonry: Brick	90%	Now	$45,700	LIFE	* *	5	$2,500	1
Horizontal Cracks, Extent : Severe, Area Affected : 10%								
Location : Interior Face								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 50%								
Location : Throughout Interior And Exterior Face Of Front Facade And Facade Along 255th Street								
Spalling, Extent : Severe, Area Affected : 15%								
Location : Interior Face								
Pre-Cast Concrete	10%	Now	$2,100	LIFE	* *	5	$1,700	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%								
Location : Thoughout At Coping Joints								
Roof								
Modified Bitumen	95%	Now	$40,000	2031	$133,300			
Alligatoring, Extent : Moderate, Area Affected : 75%								
Location : Upper And Lower Roof								
Blisters, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Patching Evident, Extent : Moderate, Area Affected : 10%								
Location : Second Floor								
Skylight, Metal/Glass	5%			2041	* *	10	$1,600	

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FIRE DEPARTMENT - 057
ENGINE CO. 251
Asset # : 13141

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								
Soffits								
Pre-Cast Concrete	100%	2-4	$9,000	LIFE	* *	5	$800	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%								
Location : Above Overhead Door								
Water Penetration, Extent : Moderate, Area Affected : 100%								
Location : Above Overhead Door								
Interior								
Floors								
Cast in Place Concrete	30%	4+	$3,200	LIFE	* *	5	$6,300	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Apparatus Floor								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : Apparatus Floor On Jacks								
Ceramic Tile	5%	Now	$2,000	2034	* *	5	$200	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Mens Shower Missing Tiles On Second Floor								
Panel/Paver: Cer/Brk	2%			2047	* *	5	$400	
Quarry Tile	3%	4+	$900	2036	* *	5	$200	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Kitchen								
Worn/Eroded, Extent : Light, Area Affected : 100%								
Location : Kitchen And Dining Room								
Vinyl Tile	55%	4+	$9,500	2031	$47,600	3	$2,000	
Broken/Missing Elements, Extent : Light, Area Affected : 2%								
Location : 2nd Floor Corridor								
Worn/Eroded, Extent : Moderate, Area Affected : 10%								
Location : Throughout 2nd Floor								
Wood	5%			2059	* *	5	$900	

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FIRE DEPARTMENT - 057
ENGINE CO. 251
Asset # : 13141

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	10%	4+	$9,600	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Ceramic Tile	5%			2034	* *	5	$700	
Gypsum Board	10%			LIFE	* *	5-10	$2,400	
Plaster	15%	Now	$11,000	LIFE	* *	5	$600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : 2nd Floor At Front Office, Weight Room, Hose Tower, Stair Well And Apparatus Room								
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : 2nd Floor Dormitory And Locker East Wall At Windows And Hose Tower								
SGFT/Glazed Masonry	60%	Now	$70,700	LIFE	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 4%								
Location : Stairwell Midlanding Between 1st And 2nd Floor, Top Of Hose Tower And Apparatus Floor								
Diagonal Cracks, Extent : Severe, Area Affected : 2%								
Location : 2nd Floor Bathroom, Apparatus Floor And Stair From 2nd To 3rd Floor								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 15%								
Location : Throughout								
Ceilings								
Exposed Concrete	30%	Now	$122,900	LIFE	* *	5	$400	
Exposed Reinforcement, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Basement Under Apron								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Basement Ceiling								
Explanation : Apparatus Floor Supported On Jacks								
Gypsum Board	10%			LIFE	* *	5-10	$3,300	
Plaster	60%	Now	$24,100	LIFE	* *	5	$3,600	
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : Under Basement Stair, Apparatus Floor, Weight Room								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Apparatus Floor, Along 255th Street, Weight Room, Bathroom								
Site Enclosure								
Fence/Gates								
Chain Link	80%	4+	$18,100	2061	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 100%								
Location : Rear Yard								
Metal Panel	20%			LIFE	* *	10		
Site Pavements								

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FIRE DEPARTMENT - 057
ENGINE CO. 251
Asset # : 13141

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								
Public Sidewalk								
Cast in Place Concrete	100%	0-2	$4,000	2044	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Curb Cut								
On-Site Walkways								
Asphalt	50%			2040	* *			
Cast in Place Concrete	50%			2044	* *			
Parking/Driveway								
Cast in Place Concrete	100%	Now	$7,200	2036	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Apron And Driveway								
Activity Yard								
Cast in Place Concrete	100%	4+	$2,200	2044	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Rear Yard								

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		
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	80%			2031	$26,800	1		
Conduit	20%			2051	* *	1		
Panelboards								
Molded Case Bkrs	50%			2030	$20,600	5	$100	
Molded Case Bkrs	50%			2047	* *	5	$100	
Wiring								
Braided Cloth	50%	2-4	$14,800	2056	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor								
Thermoplastic	50%			2051	* *	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	* *	1	$2,000	

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FIRE DEPARTMENT - 057
ENGINE CO. 251
Asset # : 13141

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
Stand-by Power								
Generators								
Diesel	100%			2040	* *	1	$2,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Side Yard								
Explanation : Emergency Generator Rated At 40 Kilowatts								
Batteries								
Lead/Acid	100%			2025	$1,600	5	$200	
Fuel Storage								
Main Tank	100%			2059	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Side Yard								
Explanation : 125 Gallons Rated Capacity								
Lighting								
Interior Lighting								
Fluorescent	30%			2031	$5,500	10	$1,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : T-8 Lamps								
LED	70%			2039	* *			
Egress Lighting								
Emergency, Service	100%			2036	* *	1		
Exterior Lighting								
Fluorescent	5%			2031	$1,100	10		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front Of The Building								
Explanation : Compact Fluorescent Lights								
LED	15%			2036	* *			
No Component	80%							
Alarm								
Security System								
No Component	80%							
Generic	20%			2031	$4,100	1	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Perimeter Of The Building								
Explanation : CCTV Surveillance Cameras								

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%			2051	* *	1		

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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
Heating								
Conversion Equipment								
Steam Boiler	100%			2044	* *	1	$6,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Unit								
Distribution								
Steam Piping/Pump	100%	0-2	$1,400	2041	* *			
Corroded, Extent : Moderate, Area Affected : 20%								
Location : Basement And 1st Floor								
Terminal Devices								
Convector/Radiator	50%			2029	$17,100	1	$1,000	
Convector/Radiator	50%			2044	* *	1	$1,000	
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Window/Wall Unit	50%			2024	$6,600	1		
No Component	50%							
Ventilation								
Exhaust Fans								
Interior	5%	0-2	$200	2031	$1,100	2		
Not in Service, Extent : Moderate, Area Affected : 30%								
Location : 2nd Floor Bathroom								
Wall Unit	30%			2031	$700	2	$100	
Other Observation, Extent : Light, Area Affected : 10%								
Location : 1st Floor								
Explanation : Kitchen Hood Fan And Apparatus Floor								
No Component	65%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2026	$3,900	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 74 Gallon								
Sanitary Piping								
Cast Iron	30%	0-2	$1,400	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : By House Trap When It Rains								
Cast Iron	70%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$200	4	$200	

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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	$300	1-3		

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **10-May-2018**	**Landmark Status**	: **EXTERIOR LANDMARK**
Areas Surveyed	: **Basement, Roof, Floors 1,2,Att**		
Block	: **6859** **Lot** : **65**	**BIN**	: **3185380**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$49,300	
Electrical		$74,400
Total	**$49,300**	**$74,400**
Importance Code A	$49,300	
Importance Code B		$74,400
Total	**$49,300**	**$74,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$9,900	$700	$9,100	$4,900
Interior Architecture	$57,600		$200	$300
Electrical		$100	$29,800	
Mechanical	$800	$800	$12,000	$800
Site Pavements	$5,700			
Total	**$74,100**	**$1,600**	**$51,200**	**$6,000**
Importance Code A	$10,500	$1,300	$9,700	$5,500
Importance Code B	$37,900	$300	$41,300	$500
Importance Code C	$25,700		$200	
Total	**$74,100**	**$1,600**	**$51,200**	**$6,000**



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FIRE DEPARTMENT - 057

ENGINE CO. 253

Asset # : 13143

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								
Exposed Struc: Steel	2%			LIFE	* *	5	$1,100	
Masonry: Brick	78%	Now	$49,300	LIFE	* *	5	$14,100	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Above Apparatus Door								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%								
Location : North And East Elevations								
Masonry: Brownstone	5%	Now	$9,900	LIFE	* *	5	$700	
Diagonal Cracks, Extent : Moderate, Area Affected : 10%								
Location : Above Apparatus Door								
Wood Overhead Doors	15%			2034	* *	5	$13,500	
Windows								
Wood	100%			2045	* *	5	$9,900	
Parapets								
Cast Stone/Terra Cotta	40%			LIFE	* *	5	$1,900	
Metal Panel	60%			2049	* *	5	$1,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rear Lower Roof								
Explanation : Stainless Steel Flashing At Lower Roof								
Roof								
Asphalt Shingle	65%			2038	* *	10	$1,200	
Cement-Fiber Panel	20%			2038	* *	5	$1,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roofing At The Front Section Of The Building								
Explanation : Decorative Cementitious Tileroofing								
Modified Bitumen	15%			2034	* *	10	$1,600	
Interior								
Floors								
Cast in Place Concrete	60%	Now	$11,900	LIFE	* *	5	$10,800	
Cracking/Crumbling, Extent : Severe, Area Affected : 25%								
Location : Throughout								
Spalling, Extent : Severe, Area Affected : 25%								
Location : Throughout								
Ceramic Tile	15%	Now	$1,400	2032	* *	5	$600	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Recent Replace Evident, Extent : Light, Area Affected : 25%								
Location : Throughout								
Vinyl Tile	25%	Now	$10,100	2034	* *	3	$800	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Other Observation, Extent : Light, Area Affected : 25%								
Location : Kitchen								
Explanation : Kitchen Section Replaced With Ceramic Tile								

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FIRE DEPARTMENT - 057
ENGINE CO. 253
Asset # : 13143

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	10%	Now	$6,900	LIFE	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Basement Walls								
Ceramic Tile	5%			2044	* *	5	$500	
Recent Construction, Extent : Light, Area Affected : 100%								
Location : Toilets And Kitchen								
Concrete Masonry Unit	15%			LIFE	* *	5	$600	
Gypsum Board	10%	Now	$500	LIFE	* *	5	$600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Masonry: Brick	10%	0-2	$2,100	LIFE	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Plaster	35%	Now	$3,100	LIFE	* *	5	$1,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Basement, Basement Stairway And Other Areas Throughout								
Wood	15%	0-2	$7,300	LIFE	* *	5	$5,700	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Front Of Apparatus Area								
Deteriorated Finish, Extent : Light, Area Affected : 20%								
Location : Throughout								
Ceilings								
AcousTileSusp.Lay-In	5%			2046	* *	5	$400	
Recent Replace Evident, Extent : Light, Area Affected : 90%								
Location : Throughout								
Embossed Metal	30%	Now	$3,100	LIFE	* *	5	$1,100	
Deformed/Dented, Extent : Light, Area Affected : 10%								
Location : Throughout								
Exposed Concrete	30%	Now	$9,200	LIFE	* *	5	$400	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Gypsum Board	10%	Now	$1,900	LIFE	* *	5	$1,000	
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : 2nd Floor								
Metal Panel	5%			LIFE	* *	5	$500	
Plaster	20%			LIFE	* *	5	$1,000	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			

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FIRE DEPARTMENT - 057
ENGINE CO. 253
Asset # : 13143

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								
On-Site Walkways								
Cast in Place Concrete	100%	Now	$5,100	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 25%								
Location : Throughout								
Parking/Driveway								
Cast in Place Concrete	100%	Now	$600	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Throughout								

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%			2029	$5,600	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Ampere Main Disconnect Switch								
Raceway								
Conduit	100%			2029	$36,400	1		
Panelboards								
Fused Disc Sw	15%			2028	$6,700	5		
Molded Case Bkrs	85%			2028	$38,000	5	$100	
Wiring								
Thermoplastic	100%			2029	$32,200	1		
Motor Controllers								
Locally Mounted	100%			2027	$16,700	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Corroded, Extent : Light, Area Affected : 100%								
Location : Basement								
Lighting								
Interior Lighting								
Fluorescent	15%			2037	* *	10	$800	
Fluorescent	85%			2034	* *	10	$4,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : T-8 Lamps								
Egress Lighting								
Emergency, Service	100%			2034	* *	1		
Exterior Lighting								
HID	100%			2024	$25,300	10		

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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
Heating								
Energy Source								
Natural Gas	100%			2039	* *	1		
Conversion Equipment								
Steam Boiler	100%			2034	* *	1	$5,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	100%			2039	* *			
Terminal Devices								
Convector/Radiator	100%			2027	$33,600	1	$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Split Unit	10%			2034	* *			
Window/Wall Unit	50%			2024	$6,500	1		
No Component	40%							
Terminal Devices								
No Component	90%							
No Component	10%							
Ventilation								
Exhaust Fans								
Wall Unit	25%			2029	$600	2		
No Component	75%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2024	$3,800	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units at 75 Gallons Each								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2024	$200	4	$100	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Basement								
Backflow Preventer								
No Component	95%							
Generic	5%			2029	$100	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : For Boiler Feed Only								

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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		
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								
Wet	2%			2024	$600	1-3	$100	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **10-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **7112** **Lot** : **49**	**BIN**	: **3192210**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Electrical		$41,200
Total		**$41,200**
Importance Code B		$41,200
Total		**$41,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$49,400		$800	
Interior Architecture	$122,200			$400
Electrical		$100	$25,300	
Mechanical	$700	$1,000	$1,100	$700
Site Pavements	$16,800			
Total	**$189,200**	**$1,100**	**$27,300**	**$1,100**
Importance Code A	$50,000	$500	$1,400	$500
Importance Code B	$105,200	$500	$25,900	$600
Importance Code C	$34,000			
Total	**$189,200**	**$1,100**	**$27,300**	**$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. 254/LADDER CO. 153
Asset # : 13144

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	85%			LIFE	* *	5	$14,400	
Paint Peeling, Extent : Light, Area Affected : 50%								
Location : Rear Elevation								
Recent Repair Evident, Extent : Light, Area Affected : 5%								
Location : Front Elevation								
Masonry: Granite	5%	Now	$10,700	LIFE	* *	5	$600	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
Location : Throughout								
Masonry: Limestone	5%	Now	$9,900	LIFE	* *	5	$600	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Wood Overhead Doors	5%	4+	$28,600	2049	* *	5	$2,100	
Worn/Eroded, Extent : Light, Area Affected : 100%								
Location : Main Door								
Windows								
Aluminum	98%			2054	* *	5	$1,700	
Metal Louvers	2%	Now	$300	2044	* *			
Deformed/Dented, Extent : Light, Area Affected : 25%								
Location : Louver								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5	$1,500	
Recent Repair Evident, Extent : Light, Area Affected : 50%								
Location : Throughout								
Masonry: Brick	80%			LIFE	* *	5	$1,600	
Recent Repair Evident, Extent : Light, Area Affected : 50%								
Location : Throughout								
Masonry: Limestone	10%			LIFE	* *	5	$300	
Roof								
Modified Bitumen	100%			2037	* *	10	$7,900	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Main Roof								
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. 254/LADDER CO. 153
Asset # : 13144

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	$13,400	LIFE	* *	5	$8,800	
Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Ceramic Tile	10%	Now	$1,700	2032	* *	5	$400	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Kitchen								
Terrazzo	2%			LIFE	* *	5	$100	
Vinyl Tile	28%	0-2	$20,400	2039	* *	3	$800	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : 2nd Floor								
Vinyl Tile 9" X 9"	10%	0-2	$9,400	2039	* *	3	$300	
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : 2nd Floor								
Interior Walls								
Cast in Place Concrete	20%	Now	$30,800	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 25%								
Location : Basement								
Ceramic Tile	5%			2032	* *	5	$600	
Gypsum Board	10%			LIFE	* *	5	$700	
Masonry: Brick	30%			LIFE	* *			
Plaster	30%	Now	$2,900	LIFE	* *	5	$1,000	
Water Penetration, Extent : Severe, Area Affected : 15%								
Location : 2nd Floor Bunk Room								
Wood	5%			LIFE	* *	5	$2,300	
Ceilings								
AcousTileSusp.Lay-In	30%	Now	$2,000	2049	* *	5	$1,200	
Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Embossed Metal	10%	Now	$1,500	LIFE	* *	5	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Metal Lay-in Ceiling Tile								
Exposed Concrete	25%	Now	$6,800	LIFE	* *	5	$300	
Cracking/Crumbling, Extent : Severe, Area Affected : 25%								
Location : Basement								
Gypsum Board	5%			LIFE	* *	5	$500	
Plaster	30%	Now	$33,100	LIFE	* *	5	$1,500	
Cracking/Crumbling, Extent : Severe, Area Affected : 60%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
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. 254/LADDER CO. 153
Asset # : 13144

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 Enclosure								
Fence/Gates								
Iron Picket	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	$16,800	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 25%								
Location : West Side Of The Building								
On-Site Walkways								
Cast in Place Concrete	100%			2034	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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%			2029	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 200 Amperes								
Raceway								
Conduit	80%			2029	$26,800	1		
Conduit	20%			2055	* *	1		
Panelboards								
Molded Case Bkrs	100%			2028	$41,200	5	$100	
Wiring								
Thermoplastic	80%			2029	$23,700	1		
Thermoplastic	20%			2055	* *	1		
Motor Controllers								
Locally Mounted	100%			2034	* *	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Water Main								
Explanation : Main Water Pipe								
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. 254/LADDER CO. 153
Asset # : 13144

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	50%			2037	* *	10	$2,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : T-8 Lamps								
Fluorescent	10%			2024	$1,600	10	$500	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement								
LED	40%			2037	* *			
Egress Lighting								
Exit, Service	50%			2024	$300	1		
Exit, Battery	50%			2024	$1,000	10	$200	
Exterior Lighting								
HID	100%			2024	$21,700	10		

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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$5,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Natural Gas Fired Steam Boiler								
Distribution								
Steam Piping/Pump	100%			2039	* *			
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$1,700	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%			2029	$8,700	2	$100	
Window/Wall Unit	60%			2027	$6,700	1		
No Component	20%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$3,000	
Exhaust Fans								
Roof	30%			2034	* *	2	$100	
Wall Unit	20%			2029	$400	2		
No Component	50%							
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
ENGINE CO. 254/LADDER CO. 153
Asset # : 13144

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%			2049	* *	1		
Water Heater								
Gas Fired	100%			2027	$3,300	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 74 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2023	$200	4	$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	2%			2027	$600	1-3	$100	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **01-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **5229** **Lot** : **9**	**BIN**	: **3120929**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$65,800
Interior Architecture	$52,200	
Electrical		$26,800
Total	**$52,200**	**$92,600**
Importance Code A		$65,800
Importance Code B	$52,200	$26,800
Total	**$52,200**	**$92,600**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$81,600			
Interior Architecture	$12,500			$600
Electrical		$100	$2,100	
Mechanical	$15,900	$1,600	$7,000	$1,400
Site Pavements	$3,100			
Total	**$113,100**	**$1,700**	**$9,200**	**$2,100**
Importance Code A	$82,400	$800	$800	$900
Importance Code B	$26,000	$900	$8,400	$1,200
Importance Code C	$4,700			
Total	**$113,100**	**$1,700**	**$9,200**	**$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. 255/ LADDER 157
Asset # : 13145

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	10%			LIFE	* *	5	$18,100	
Masonry: Brick	75%	Now	$28,000	LIFE	* *	5	$17,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%								
Location : Side Facade								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Northeast Corner								
Metal Sect. OHD	10%	4+	$7,700	2034	* *	5	$3,600	
Other Observation, Extent : Moderate, Area Affected : 20%								
Location : Main Apparatus Door								
Explanation : Dents At Lower Interior Sections Of Overhead Door Broken Glazing At Metal Swing Doors At Front								
Wood Overhead Doors	5%	0-2	$19,600	2034	* *	5	$2,900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Glazing In Door								
Not Insulated, Extent : Light, Area Affected : 100%								
Location : West Side								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Throughout Glazing								
Windows								
Aluminum	100%	Now	$18,800	2037	* *	5	$700	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : South Side 1st And 2nd Floors								
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Unit Inoperable, Extent : Moderate, Area Affected : 50%								
Location : 2nd Floor								
Parapets								
Masonry: Brick	80%			LIFE	* *	5	$2,200	
Masonry: Limestone	5%			LIFE	* *	5	$200	
Pre-Cast Concrete	15%			LIFE	* *	5	$2,600	
Roof								
Asphalt Shingle	50%	Now	$800	2032	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Built-Up (BUR)	50%	Now	$6,600	2029	$65,800			
Debris on Roof, Extent : Light, Area Affected : 5%								
Location : From Construction Next Door								
Drains Clogged, Extent : Moderate, Area Affected : 50%								
Location : From Construction Next Door								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Around Drains								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific cost escalations are not included.
*** 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		
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	$13,800	
Ceramic Tile	5%	Now	$300	2038	* *	5	$300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Basement Showers								
Quarry Tile	5%	0-2	$400	2042	* *	5	$500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Door Way Edges								
Vinyl Tile	40%	Now	$9,200	2034	* *	3	$1,900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : 2nd Floor								
Other Observation, Extent : Light, Area Affected : 60%								
Location : 2nd Floor								
Explanation : 9 X 9 Tiles								
Interior Walls								
Ceramic Tile	5%	0-2	$1,000	2038	* *	5	$300	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Kitchen And Toilets Throughout								
Gypsum Board	5%			LIFE	* *	5	$400	
Paint Peeling, Extent : Light, Area Affected : 5%								
Location : Throughout								
Masonry: Brick	20%			LIFE	* *			
Plaster	45%			LIFE	* *	5	$1,800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Stair								
Vertical Cracks, Extent : Moderate, Area Affected : 2%								
Location : Office								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Stair								
SGFT/Glazed Masonry	20%			LIFE	* *			
Wood	5%	4+	$1,600	LIFE	* *	5	$2,700	
Worn/Eroded, Extent : Light, Area Affected : 20%								
Location : Throughout								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific cost escalations are not included.
*** 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		
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	$100	2034	* *	5	$300	
Staining/Discoloring, Extent : Light, Area Affected : 10%								
Location : 2nd Floor								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor								
Embossed Metal	55%	Now	$52,200	LIFE	* *	5	$3,100	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Deformed/Dented, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Paint Peeling, Extent : Light, Area Affected : 75%								
Location : Throughout								
Staining/Discoloring, Extent : Light, Area Affected : 75%								
Location : Throughout								
Exposed Struc: Steel	25%			LIFE	* *			
Plaster	15%			LIFE	* *	5	$1,200	
Paint Peeling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	$1,000	2034	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
On-Site Walkways								
Cast in Place Concrete	100%	Now	$100	2034	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : South Side								
Ponding, Extent : Moderate, Area Affected : 5%								
Location : South Side								
Sinking/Subsiding, Extent : Moderate, Area Affected : 5%								
Location : South Side								
Parking/Driveway								
Cast in Place Concrete	100%	Now	$2,000	2034	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : West Side								

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%			2055	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect Switch								

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

FIRE DEPARTMENT - 057
ENGINE CO. 255/ LADDER 157
Asset # : 13145

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								
Raceway								
Conduit	80%			2029	$26,800	1		
Conduit	20%			2055	* *	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	30%			2051	* *	5	$100	
Molded Case Bkrs	65%			2028	$26,800	5	$100	
Wiring								
Thermoplastic	70%			2029	$20,700	1		
Thermoplastic	30%			2055	* *	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
Fluorescent	98%			2037	* *	10	$7,600	
Incandescent	2%			2024	$1,200	2		
Exterior Lighting								
HID	100%			2024	$1,000	10		

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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2034	* *	1	$8,400	
Distribution								
Central Plant Steam Piping/Pmp	100%			2039	* *	4	$600	
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$2,700	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Window/Wall Unit	80%			2022	$14,100	1		
No Component	20%							
Ventilation								
Exhaust Fans								
Wall Unit	100%			2029	$3,000	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
ENGINE CO. 255/ LADDER 157
Asset # : 13145

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%			2049	* *	1		
Booster Pump w/Tank, Extent : Light, Area Affected : 100%								
Location : Basement								
Water Heater								
Gas Fired	100%			2024	$5,200	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 75 Gallon Unit								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$300	4	$300	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	100%			2027	$27,900	1-3	$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.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **21-Jun-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **8166** **Lot** : **33**	**BIN**	: **3229407**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$107,300	
Interior Architecture	$77,900	
Electrical		$60,400
Mechanical		$39,200
Total	**$185,300**	**$99,600**
Importance Code A	$107,300	
Importance Code B	$77,900	$99,600
Total	**$185,300**	**$99,600**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$28,100		$12,200	
Interior Architecture	$71,400	$900		$800
Electrical	$700	$2,300	$700	$700
Mechanical	$28,700	$1,700	$10,200	$1,700
Site Enclosure	$9,100			
Site Pavements	$23,800			
Total	**$161,700**	**$4,900**	**$23,100**	**$3,100**
Importance Code A	$28,900	$800	$13,000	$800
Importance Code B	$84,100	$3,200	$10,000	$2,300
Importance Code C	$48,700	$900		
Total	**$161,700**	**$4,900**	**$23,100**	**$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. 257/LADDER 170 / BATTALION 58
Asset # : 13146

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	87%	2-4	$72,000	LIFE	* *	5	$22,400	
Efflorescence, Extent : Light, Area Affected : 5%								
Location : Farragut Road Facade And Hose Tower								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 20%								
Location : Throughout, Except Front Facade								
Masonry: Granite	2%			LIFE	* *	5	$400	
Masonry: Limestone	3%			LIFE	* *	5	$600	
Metal Sect. OHD	5%			2042	* *	5	$4,000	
Stucco Cement	3%	4+	$1,200	2042	* *	5	$1,000	
Cracking/Crumbling, Extent : Light, Area Affected : 15%								
Location : Front Facade								
Windows								
Aluminum	70%	Now	$35,300	2054	* *	5	$1,000	
Unit Inoperable, Extent : Moderate, Area Affected : 35%								
Location : Throughout								
Worn/Eroded, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Wood	30%	Now	$12,700	2054	* *	5	$4,200	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : 1st Floor Side Facade Near Front- Sash Missing								
Thermally Inefficient, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	* *	5	$3,300	
Masonry: Brick	30%	Now	$4,000	LIFE	* *	5	$600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Parapet Wall								
Explanation : Covered With Tar And Stucco Cement								
Metal Rail	30%			2042	* *	5-10	$11,600	
Stucco Cement	20%	Now	$1,200	2042	* *	5	$600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Top Of Hose Tower								
Roof								
Modified Bitumen	100%			2034	* *	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.
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FIRE DEPARTMENT - 057
ENGINE CO. 257/LADDER 170 / BATTALION 58
Asset # : 13146

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	45%	Now	$18,900	LIFE	* *	5	$12,400	
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : Apparatus Floor Near Ladder Truck Bay								
Water Penetration, Extent : Moderate, Area Affected : 25%								
Location : Basement, Apparatus Floor At Threshold Of Over Head Door								
Other Observation, Extent : Severe, Area Affected : 50%								
Location : Apparatus Floor								
Explanation : Temporary Shoring In Basement								
Ceramic Tile	5%			2032	* *	5	$600	
Vinyl Tile	50%	2-4	$28,600	2034	* *	3	$2,400	
Worn/Eroded, Extent : Moderate, Area Affected : 75%								
Location : Throughout, Engine Office								
Interior Walls								
Ceramic Tile	25%	Now	$6,400	2032	* *	5	$2,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Ladder Truck Side And At Rear Wall Under Windows								
Ceramic Tile	10%			2038	* *	5	$1,700	
Masonry: Brick	35%	2-4	$5,100	LIFE	* *			
Spalling, Extent : Moderate, Area Affected : 5%								
Location : Basement Front Wall								
Plaster	30%	Now	$4,500	LIFE	* *	5	$1,600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Ceilings								
AcousTileSusp.Lay-In	5%	Now	$5,400	2049	* *	5	$300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 50%								
Location : 2nd Floor Offices								
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : 2nd Floor Offices And 1st Floor Lounge								
AcousTileSusp.Lay-In	5%			2046	* *	5	$600	
Embossed Metal	35%			LIFE	* *	5	$2,000	
Exposed Concrete	30%	Now	$77,900	LIFE	* *	5	$600	
Corrosion/Rusting, Extent : Severe, Area Affected : 2%								
Location : Steel Beam At Front Wall								
Spalling, Extent : Severe, Area Affected : 20%								
Location : Basement Throughout								
Other Observation, Extent : Severe, Area Affected : 60%								
Location : Basement								
Explanation : Temporary Supports Under Apparatus Floor								
Plaster	25%	Now	$2,200	LIFE	* *	5	$2,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
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. 257/LADDER 170 / BATTALION 58
Asset # : 13146

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 Enclosure								
Fence/Gates								
Chain Link	100%	Now	$9,100	2055	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 60%								
Location : Side Yard And Rear Yard								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	100%	0-2	$23,800	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Parking Area								

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%			2049	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Main Service Disconnect Switch Rated At 400 Amperes.								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	$52,200	5	$200	
Raceway								
Conduit	80%			2029	$26,800	1		
Conduit	20%			2049	* *	1		
Panelboards								
Molded Case Bkrs	80%			2045	* *	5	$200	
Molded Case Bkrs	20%			2028	$8,200	5		
Wiring								
Thermoplastic	80%			2029	$23,700	1		
Thermoplastic	20%			2049	* *	1		
Motor Controllers								
Variable Frequency Drive	100%			2034	* *			
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2042	* *	1	$2,500	
Generators								
Diesel	100%			2038	* *	1	$3,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Side Yard								
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.
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		
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%			2023	$1,600	5	$300	
Fuel Storage								
Main Tank	100%			2057	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Side Yard								
Explanation : 120 Gallons Rated Capacity								
Lighting								
Interior Lighting								
Fluorescent	10%			2029	$2,400	10	$700	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement								
Fluorescent	5%			2029	$1,200	10	$400	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Basement								
LED	85%			2037	* *			
Egress Lighting								
Emergency, Service	100%			2034	* *	1		
Exterior Lighting								
LED	30%			2037	* *			
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								
Energy Source								
Fuel Oil No 2	100%			2039	* *	5	$2,500	
Conversion Equipment								
Steam Boiler	100%			2046	* *	1	$8,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	100%	0-2	$700	2039	* *			
Leak Evident, Extent : Moderate, Area Affected : 2%								
Location : Basement Gymnasium								
Terminal Devices								
Convector/Radiator	90%			2027	$39,200	1	$2,400	
Fan Coil Unit/Heat	10%	0-2	$12,200	2039	* *	1	$200	
On Extended Life, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Floor								
Air Conditioning								
Energy Source								
Electricity	100%			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
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
Air Conditioning								
Conversion Equipment								
Heat Pump Air Sourced	10%	0-2	$8,100	2034	* *	2		
Not Energy Efficient, Extent : Moderate, Area Affected : 100%								
Location : Rear Of The Building								
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : 1 Obsolete Unit, Rear Of The Building								
Split Unit	10%	0-2	$1,700	2029	$17,400			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : 2 Inefficient Units, R-410a Refrigerant								
Window/Wall Unit	40%	0-2	$1,400	2024	$6,800	1		
Not in Service, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor								
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	20%			2029	$18,600	1	$500	
No Component	80%							
Heat Rejection								
Dry Cooler	20%			2029	$5,300	2	$1,100	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2-5	$900	
No Component	80%							
Exhaust Fans								
Roof	20%			2029	$2,700	2	$100	
Wall Unit	10%			2029	$300	2		
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%	0-2	$3,000	2039	* *	1		
Corroded, Extent : Moderate, Area Affected : 10%								
Location : Water Main Valve, Basement								
Water Heater								
Gas Fired	50%			2027	$2,500	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 - 75 Gallon Unit								
Gas Fired	50%			2029	$2,500	2	$100	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : 1 - 75 Gallon Unit, Basement								
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. 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								
Sump Pump(s)								
Submersible	100%	0-2	$300	2024	$300	4	$200	
Not in Service, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2027	$27,900	1-3	$3,700	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$411,600	
Interior Architecture	$108,100	
Electrical		$25,500
Mechanical	$78,500	
Total	**$598,200**	**$25,500**
Importance Code A	$411,600	
Importance Code B	$186,600	$25,500
Total	**$598,200**	**$25,500**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$32,000	$2,600		$9,200
Interior Architecture	$53,100	$1,600		
Electrical	$700	$800	$2,800	$52,400
Mechanical	$6,000	$800	$1,300	$34,300
Site Enclosure	$7,500			
Site Pavements	$2,100			
Total	**$101,400**	**$5,700**	**$4,100**	**$95,900**
Importance Code A	$32,500	$3,100	$500	$23,100
Importance Code B	$45,800	$1,000	$3,500	$72,700
Importance Code C	$23,100	$1,600		
Total	**$101,400**	**$5,700**	**$4,100**	**$95,900**



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. 258/LADDER CO. 115
Asset # : 13147

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	3%			LIFE	* *	5	$9,100	
Masonry: Brick	75%	Now	$102,000	LIFE	* *	5	$29,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Northwest Corner Including Street Side Parapet								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Front And Rear Facades								
Paint Peeling, Extent : Severe, Area Affected : 25%								
Location : Rear Facade								
Vegetation Growth, Extent : Severe, Area Affected : 2%								
Location : East And South Facade								
Water Penetration, Extent : Severe, Area Affected : 2%								
Location : 2nd Floor At Bay Window Copper Panning								
Masonry: Granite	2%			LIFE	* *	5	$600	
Masonry: Limestone	10%	0-2	$10,900	LIFE	* *	5	$2,900	
Staining/Discoloring, Extent : Moderate, Area Affected : 10%								
Location : Front Facade								
Metal Sect. OHD	5%			2035	* *	5	$6,100	
Stucco Cement	5%			2035	* *	5	$4,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 4th Floor Bulkhead								
Explanation : Stucco Located At 4th Floor Observed From Roof.								
Windows								
Aluminum	100%	Now	$19,800	2046	* *	5	$1,000	
Unit Inoperable, Extent : Moderate, Area Affected : 30%								
Location : Bathroom								
Parapets								
Metal Panel	70%			2040	* *	5	$7,400	
Metal Rail	30%	Now	$1,300	2035	* *	5	$5,800	
Corrosion/Rusting, Extent : Light, Area Affected : 5%								
Location : At The Corners								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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	$188,700	2040	* *			1
Blisters, Extent : Severe, Area Affected : 25%								
Location : Main Roof								
Drains Clogged, Extent : Severe, Area Affected : 25%								
Location : Towards Front Of Building								
Ponding, Extent : Severe, Area Affected : 15%								
Location : Various Locations								
Water Penetration, Extent : Severe, Area Affected : 50%								
Location : Main Roof, Skylight, 2nd Floor Bathroom								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Main Roof								
Explanation : Poor Installation On Replacement Roof.								
Metal Panel	10%			2043	* *	10	$2,600	
Skylight, Metal/Glass	5%	Now	$120,800	2060	* *			1
Water Penetration, Extent : Severe, Area Affected : 50%								
Location : Main Roof								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Over Stair								
Explanation : Needs Complete Re-Caulking.								
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	* *	5	$13,700	
Ceramic Tile	15%	Now	$2,600	2033	* *	5	$1,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Kitchen								
Wood	45%	0-2	$108,100	2045	* *	5	$6,600	
Deteriorated Finish, Extent : Moderate, Area Affected : 75%								
Location : 2nd Floor, 3rd Floor								
Loose/Miss Fasteners, Extent : Moderate, Area Affected : 25%								
Location : 2nd Floor, 3rd Floor								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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	* *	5	$3,200	
Concrete Masonry Unit	20%	4+	$8,300	LIFE	* *	5	$2,600	
Staining/Discoloring, Extent : Light, Area Affected : 15%								
Location : Basement								
Water Penetration, Extent : Light, Area Affected : 10%								
Location : Basement								
Gypsum Board	10%	Now	$800	LIFE	* *	5	$1,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Various Locations								
Masonry: Brick	20%			LIFE	* *			
Paint Peeling, Extent : Light, Area Affected : 25%								
Location : Apparatus Room, Staircase								
Plaster	40%	Now	$6,000	LIFE	* *	5	$3,900	
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : 3rd Floor Under Skylight In Pool Room And Various Other Locations.								
Ceilings								
AcousTileSusp.Lay-In	35%	Now	$15,500	2035	* *	5	$2,700	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Various Locations Throughout.								
Staining/Discoloring, Extent : Moderate, Area Affected : 35%								
Location : 2nd, 3rd And 4th Floor Mezzanine Lounge Area.								
Embossed Metal	45%	2-4	$7,200	LIFE	* *	5	$3,200	
Deformed/Dented, Extent : Moderate, Area Affected : 5%								
Location : 4th Floor And Apparatus Room								
Staining/Discoloring, Extent : Moderate, Area Affected : 5%								
Location : 4th Floor And Apparatus Room								
Exposed Struc: Steel	15%	Now	$11,500	LIFE	* *			
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Basement Below Apparatus Floor								
Other Observation, Extent : Light, Area Affected : 2%								
Location : 3rd Floor, Rear Wall And Basement								
Explanation : Rusted Lintel Above Window.								
Plaster	5%	Now	$1,200	LIFE	* *	5	$500	
Horizontal Cracks, Extent : Light, Area Affected : 5%								
Location : Truck Bay Stair And 2nd Floor Offices								
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%	0-2	$7,500	2040	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Rear Yard								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Rear Yard								
Explanation : Paint Peeling								
Site Pavements								

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FIRE DEPARTMENT - 057
ENGINE CO. 258/LADDER CO. 115
Asset # : 13147

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								
Public Sidewalk								
Cast in Place Concrete	100%	4+	$1,600	2043	* *			
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	$400	2035	* *			
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		
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		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 800 Ampere Service								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2050	* *	5	$300	
Raceway								
Conduit	70%			2030	$25,500	1		
Conduit	30%			2050	* *	1		
Panelboards								
Fused Disc Sw	2%			2029	$900	5		
Fused Disc Sw	2%			2029	$900	5		
Fused Disc Sw	40%			2046	* *	5	$100	
Molded Case Bkrs	56%			2029	$25,000	5	$200	
Wiring								
Thermoplastic	60%			2030	$19,300	1		
Thermoplastic	40%			2050	* *	1		
Motor Controllers								
Locally Mounted	100%			2028	$16,700	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
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		
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%			2039	* *	1	$4,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 250 Kilowatt								
Batteries								
Lead/Acid	100%			2024	$1,700	5	$400	
Fuel Storage								
Day Tank	100%			2046	* *	5	$1,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Rear Yard								
Explanation : 125 Gallons								
Lighting								
Interior Lighting								
Fluorescent	90%			2035	* *	10	$8,700	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Incandescent	10%			2025	$7,800	2		
Egress Lighting								
Emergency, Battery	50%			2025	$8,200	10	$1,300	
Exit, Battery	50%			2025	$2,200	10	$400	
Exterior Lighting								
HID	50%			2025	$23,000	10		
No Component	50%							

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%			2050	* *	1		
Conversion Equipment								
Furnace	50%			2025	$13,400	1	$2,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 7 Rooftop Units								
Hot Water Boiler	50%			2035	* *	1	$2,600	
Distribution								
Hot Wtr Piping/Pump	50%			2046	* *	4	$400	
No Component	50%							
Terminal Devices								
Convector/Radiator	30%			2043	* *	1	$1,000	
Unit Heater - Steam	20%	0-2	$400	2030	$8,100	4	$200	
Not in Service, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Floor								
No Component	50%							

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FIRE DEPARTMENT - 057
ENGINE CO. 258/LADDER CO. 115
Asset # : 13147

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								
Ext Pkg Unit - Heating/Cooling	55%	0-2	$78,500	2040	* *	2	$300	
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : 7 Rooftop Units, Roof								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Roof								
Explanation : On Extended Life Time Units. Going Down Frequently.								
Window/Wall Unit	5%			2025	$1,200	1		
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	60%			LIFE	* *	2-5	$3,500	
No Component	40%							
Exhaust Fans								
Roof	60%			2025	$11,400	2	$200	
Wall Unit	20%			2030	$800	2	$100	
No Component	20%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2050	* *	1		
Water Heater								
Gas Fired	100%			2025	$7,000	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%	0-2	$4,200	LIFE	* *	1		
Leak Evident, Extent : Moderate, Area Affected : 5%								
Location : Leaking To 2nd Floor Women Restroom From 3rd Floor Kitchen.								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : Combination Sewer Backs Up In Basement During Heavy Rains								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$400	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		
System / Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Fire Suppression								
Sprinkler								
No Component	90%							
Generic	10%			2050	* *	1-2	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : System Serves Cooking Area								
Chemical System								
No Component	98%							
Generic	2%			2025	$600	1-3	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : 1 Set								

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Mechanical		$59,200
Total		**$59,200**
Importance Code B		$59,200
Total		**$59,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$84,900		$900	
Interior Architecture	$113,500			
Electrical	$10,700	$1,100	$1,400	$2,800
Mechanical	$36,700	$2,000	$3,200	$2,500
Total	**$245,800**	**$3,100**	**$5,600**	**$5,300**
Importance Code A	$85,600	$800	$1,700	$800
Importance Code B	$126,100	$2,300	$3,900	$4,500
Importance Code C	$34,000			
Total	**$245,800**	**$3,100**	**$5,600**	**$5,300**



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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	$27,100	LIFE	* *	5	$8,400	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : West And East Facades								
Caulking Deteriorated, Extent : Severe, Area Affected : 15%								
Location : At Window Lintels								
Masonry: Brick Cavity	10%	2-4	$1,000	LIFE	* *	5	$1,200	
Vegetation Growth, Extent : Severe, Area Affected : 25%								
Location : East Facade								
Masonry: Limestone	2%	Now	$28,000	LIFE	* *	5	$200	
Water Penetration, Extent : Severe, Area Affected : 100%								
Location : At Third Floor Window Lintels								
Metal Panel	10%			2051	* *	5-10	$8,300	
Metal Sect. OHD	5%			2044	* *	5	$1,900	
Pre-Cast Concrete	3%			LIFE	* *	5	$2,300	
Windows								
Aluminum	100%	Now	$800	2047	* *	5	$200	
Caulking Deteriorated, Extent : Severe, Area Affected : 10%								
Location : 3rd Floor Front Rooms								
Weather Strip Missing, Extent : Severe, Area Affected : 75%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	10%	2-4	$400	LIFE	* *	5	$1,100	
Caulking Deteriorated, Extent : Severe, Area Affected : 5%								
Location : Front Facade								
Masonry: Brick	65%	Now	$5,800	LIFE	* *	5	$900	1
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%								
Location : Front Facade, East And West Facades								
Metal Panel	5%			2057	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof Parapet								
Explanation : Metal Coping								
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		
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+	$500	2031	$5,300			
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	$14,000	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	$5,900	2051	* *			1
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : Dining Room Skylight								
Interior								
Floors								
Cast in Place Concrete	43%			LIFE	* *	5	$41,000	
Ceramic Tile	30%	Now	$6,800	2040	* *	5	$3,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Kitchen								
Sheet Vinyl/Rubber	2%			2036	* *	5	$700	
Wood	25%	Now	$19,200	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	* *	10	$9,500	
Ceramic Tile	5%	Now	$11,200	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	$2,000	
Gypsum Board	59%	Now	$6,600	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	* *	10	$500	
Metal Panel	1%			LIFE	* *	10	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor Housewatch								
Explanation : Stainless Steel Panels								
Wood	5%			LIFE	* *	5	$10,100	

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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
Interior								
Ceilings								
AcousTileSusp.Lay-In	15%	4+	$1,400	2044	* *	5	$1,600	
Staining/Discoloring, Extent : Severe, Area Affected : 10%								
Location : 2nd And 3rd Floor Offices								
Exposed Struc: Steel	25%	Now	$24,500	LIFE	* *			
Water Penetration, Extent : Severe, Area Affected : 2%								
Location : Basement Below Biodiesel Pipe Penetrations At Sidewalk Level								
Gypsum Board	60%	Now	$7,100	LIFE	* *	5	$16,400	
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : 3rd Floor Bathroom, 3rd Floor Front And Gymnasium								
Other Observation, Extent : Moderate, Area Affected : 5%								
Location : 3rd Floor Bunkroom								
Explanation : Paint Peeling								
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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : Main Service Disconnect Switch Rated At 600 Amperes.								
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	$500	
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		
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%			2040	* *	1	$6,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Emergency Generator Rated At 180 Kilowatts								
Batteries								
Lead/Acid	100%			2025	$1,600	5	$600	
Fuel Storage								
Day Tank	10%			2047	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 60 Gallons Rated Capacity								
Main Tank	90%			2059	* *	5	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 550 Gallons Rated Capacity								
Lighting								
Interior Lighting								
LED	100%			2039	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : LED Lights								
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	$8,700	2041	* *	1-3	$400	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : 1st Floor								
Explanation : Fire Alarm System Is Not Functional. Smoke Detector And Alarm Bells								

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%			2051	* *	1		

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FIRE DEPARTMENT - 057

ENGINE CO. 259/LADDER CO. 128 /BATTALION 45

Asset # : 13148

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								
Furnace	15%			2031	$5,600	1	$1,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front Entrance Of Apparatus Floor								
Explanation : 2 Gas Fired Units								
Hot Water Boiler	85%			2044	* *	1	$6,600	
Distribution								
Hot Wtr Piping/Pump	85%	Now	$2,100	2047	* *	4	$700	
Controller Not Working, Extent : Severe, Area Affected : 100%								
Location : Temperature Control System, Throughout.								
No Component	15%							
Terminal Devices								
Convector/Radiator	55%			2044	* *	1	$2,800	
Convector/Radiator	5%	0-2	$4,200	2051	* *	1	$200	
Damaged, Extent : Moderate, Area Affected : 100%								
Location : Third Floor Bathroom								
Fan Coil Unit/Heat	25%			2031	$59,200	1	$1,300	
No Component	15%							
Air Conditioning								
Energy Source								
Electricity	100%			2047	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	70%	Now	$4,500	2036	* *	2	$500	
Leak Evident, Extent : Severe, Area Affected : 3%								
Location : Condensate Leaks To 3rd Floor Dormitory								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 5 Units. R-410a Refrigerant								
Split Unit	5%	0-2	$3,400	2036	* *			
Not in Service, Extent : Moderate, Area Affected : 100%								
Location : 2 Units. 2nd Floor Office And House Watch.								
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	$4,400	LIFE	* *	2-5	$900	
Insul. Deteriorating, Extent : Moderate, Area Affected : 30%								
Location : 3rd Floor Ceiling								
Ductwork/Diffusers	90%			LIFE	* *	2-5	$12,600	

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. 259/LADDER CO. 128 /BATTALION 45
Asset # : 13148

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								
Roof	80%			2036	* *	2	$400	
Wall Unit	20%			2031	$1,100	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	* *	1		
Water Heater								
Gas Fired	100%			2026	$9,600	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Cellar								
Explanation : Two 75 Gallon Heaters								
Sanitary Piping								
Cast Iron	100%	Now	$11,600	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Floor, Kitchen And Basement								
Leak Evident, Extent : Severe, Area Affected : 5%								
Location : 3rd Floor Laundry Area Leaks To 2nd Floor Training Room								
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%							
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 3rd Floor Bathroom								
Explanation : Broken								
Fire Suppression								
Sprinkler								
Generic	100%			2051	* *	1-2	$4,400	
Chemical System								
No Component	99%							
Generic	1%			2029	$300	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.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **15-Feb-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2,3**		
Block	: **786** **Lot** : **61**	**BIN**	: **1014447**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$85,500	$86,400
Interior Architecture	$49,100	
Electrical		$30,900
Mechanical		$38,700
Total	**$134,600**	**$155,900**
Importance Code A	$85,500	$86,400
Importance Code B	$49,100	$69,500
Total	**$134,600**	**$155,900**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$40,600		$7,800	
Interior Architecture	$50,800	$2,300		$700
Electrical	$8,900	$100	$9,200	
Mechanical	$8,100	$1,400	$9,800	$1,200
Site Pavements	$300			
Total	**$108,700**	**$3,800**	**$26,800**	**$1,900**
Importance Code A	$41,300	$700	$8,500	$700
Importance Code B	$40,500	$1,600	$18,300	$1,200
Importance Code C	$26,900	$1,500		
Total	**$108,700**	**$3,800**	**$26,800**	**$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. 26
Asset # : 13019

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 Iron	5%			LIFE	* *			
Masonry: Brick	85%	0-2	$85,500	LIFE	* *	5	$26,500	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Front And Rear Facades								
Staining/Discoloring, Extent : Moderate, Area Affected : 20%								
Location : Front And Rear Facades								
Wood Overhead Doors	10%			2034	* *	5	$15,600	
Windows								
Aluminum	100%	Now	$29,600	2037	* *	5	$600	1
Air Infiltration, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Broken/Missing Elements, Extent : Severe, Area Affected : 40%								
Location : 3rd Floor Front Office And Throughout								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5	$600	
Masonry: Brick	85%			LIFE	* *	5	$700	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 0%								
Location : Throughout								
Worn/Eroded, Extent : Moderate, Area Affected : 0%								
Location : Throughout								
No Component	5%							
Roof								
Asphalt Shingle	5%	Now	$600	2032	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Modified Bitumen	90%			2029	$86,400	10	$6,000	
Skylight, Metal/Glass	5%	0-2	$10,400	2039	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 50%								
Location : Main Roof								
Deformed/Dented, Extent : Moderate, Area Affected : 50%								
Location : Main Roof								
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. 26
Asset # : 13019

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	20%			LIFE	* *	5	$4,700	
Ceramic Tile	15%			2038	* *	5	$1,600	
Quarry Tile	5%	0-2	$5,000	2034	* *	5	$400	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Kitchen								
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Kitchen								
Vinyl Tile	50%	Now	$49,100	2039	* *	3	$2,000	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : 1st, 2nd And 3rd Floor Throughout								
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : 1st, 2nd And 3rd Floor Throughout								
Patching Evident, Extent : Moderate, Area Affected : 25%								
Location : 1st, 2nd And 3rd Floor Throughout								
Worn/Eroded, Extent : Moderate, Area Affected : 90%								
Location : 1st, 2nd And 3rd Floor Throughout								
Wood	10%	Now	$800	2057	* *	5	$1,000	
Broken/Missing Elements, Extent : Moderate, Area Affected : 100%								
Location : Wood Stair From 2nd To 3rd Floor								
Interior Walls								
Ceramic Tile	20%			2038	* *	5	$2,900	
Masonry: Brick	10%	Now	$6,000	LIFE	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Front And Back Of Building In Basement								
Water Penetration, Extent : Light, Area Affected : 20%								
Location : Throughout Front And Back, Basement								
Plaster	55%	Now	$13,700	LIFE	* *	5	$2,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : 2nd And 3rd Floor								
Staining/Discoloring, Extent : Moderate, Area Affected : 40%								
Location : 2nd And 3rd Floor Throughout								
SGFT/Glazed Masonry	10%	Now	$6,000	LIFE	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 30%								
Location : 1st Floor								
Wood	5%	Now	$900	LIFE	* *	5	$2,900	
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : 3rd Floor Behind Cab								

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

FIRE DEPARTMENT - 057
ENGINE CO. 26
Asset # : 13019

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	30%	Now	$11,400	2034	* *	5	$1,700	
Broken/Missing Elements, Extent : Moderate, Area Affected : 40%								
Location : Basement, 1st, 2nd And 3rd Floors Throughout								
Staining/Discoloring, Extent : Moderate, Area Affected : 60%								
Location : Basement, 1st, 2nd And 3rd Floor								
AcousTileSusp.Lay-In	20%	0-2	$1,900	2042	* *	5	$1,100	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : 1st, 2nd And 3rd Floor Throughout								
Misaligned/Bulging, Extent : Light, Area Affected : 5%								
Location : 1st, 2nd And 3rd Floor Throughout								
Staining/Discoloring, Extent : Light, Area Affected : 10%								
Location : 1st, 2nd And 3rd Floor Throughout								
Embossed Metal	20%	Now	$5,200	LIFE	* *	5	$1,000	
Corrosion/Rusting, Extent : Moderate, Area Affected : 30%								
Location : 1st Floor								
Staining/Discoloring, Extent : Moderate, Area Affected : 60%								
Location : 1st Floor								
Exposed Concrete	10%			LIFE	* *	5	$200	
Plaster	20%			LIFE	* *	5	$1,400	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	100%	Now	$300	2034	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Front Ramp								

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%			2029	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Amperes								
Raceway								
Conduit	90%			2029	$30,100	1		
Conduit	10%			2049	* *	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	75%			2028	$30,900	5	$100	
Molded Case Bkrs	20%			2045	* *	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. 26
Asset # : 13019

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								
Wiring								
Braided Cloth	30%	2-4	$8,900	2054	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Thermoplastic	20%			2049	* *	1		
Thermoplastic	50%			2029	$14,800	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
Fluorescent	90%			2034	* *	10	$6,000	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Fluorescent	10%			2024	$2,100	10	$700	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement								
Exterior Lighting								
HID	100%			2024	$500	10		

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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$7,200	
Distribution								
Central Plant Steam Piping/Pmp	100%			2039	* *	4	$500	
Terminal Devices								
Convector/Radiator	100%			2027	$38,700	1	$2,300	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	40%			2034	* *	2	$200	
Window/Wall Unit	50%			2024	$7,500	1		
No Component	10%							
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2	$1,900	
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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*** 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
Air Conditioning								
Heat Rejection								
Dry Cooler	20%			2034	* *	2	$1,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : R - 410 A / 2 Split Units Serve Areas On 2nd And 3rd Floor								
No Component	80%							
Ventilation								
Exhaust Fans								
Roof	15%			2034	* *	2		
No Component	85%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	* *	1		
Water Heater								
Gas Fired	100%			2027	$4,400	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	25%	2-4	$6,600	LIFE	* *	1		
Other Observation, Extent : Moderate, Area Affected : 50%								
Location : Basement								
Explanation : Patches And Broken Hubs On Main Horizontal Drain								
Cast Iron	75%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Backflow Preventer								
No Component	95%							
Generic	5%			2034	* *	1		
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2027	$27,900	1-3	$3,700	

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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$158,700	$250,400
Interior Architecture	$139,000	
Electrical		$8,200
Total	**$297,700**	**$258,600**
Importance Code A	$158,700	$250,400
Importance Code B	$139,000	$8,200
Total	**$297,700**	**$258,600**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$34,200			
Interior Architecture	$94,600		$400	$1,300
Electrical			$100	
Mechanical	$10,100	$900	$1,300	$900
Site Enclosure	$10,400			
Site Pavements	$10,400			
Total	**$159,700**	**$900**	**$1,800**	**$2,200**
Importance Code A	$34,900	$700	$700	$700
Importance Code B	$81,700	$200	$1,100	$1,000
Importance Code C	$43,200			$600
Total	**$159,700**	**$900**	**$1,800**	**$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. 260
Asset # : 13149

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	75%	Now	$158,700	LIFE	* *	5	$16,400	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%								
Location : All Facades Below Granite And Above Windows								
Paint Peeling, Extent : Severe, Area Affected : 20%								
Location : Rear And Side Façade								
Spalling, Extent : Moderate, Area Affected : 20%								
Location : Rear And Side Facade								
Water Penetration, Extent : Severe, Area Affected : 30%								
Location : Rear And Side Facade Everytime It Rains								
Masonry: Granite	10%			LIFE	* *	5	$3,300	
Wood Overhead Doors	15%	Now	$11,100	2029	$110,900	5	$8,200	
Deteriorated Finish, Extent : Moderate, Area Affected : 40%								
Location : Throughout								
Windows								
Aluminum	100%	Now	$3,700	2047	* *	5	$800	
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	* *	5-10	$1,800	
Masonry: Brick	75%	Now	$12,000	LIFE	* *	5	$1,000	1
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 50%								
Location : Above Roof Joint On Exterior Of Building								
Water Penetration, Extent : Severe, Area Affected : 15%								
Location : Office And Locker Room On 2nd Floor Every Time It Rains								
Masonry: Granite	20%	Now	$1,600	LIFE	* *	5	$300	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 5%								
Location : Joint Between Brick								
Roof								
Modified Bitumen	98%	2-4	$2,800	2031	$139,500			
Ponding, Extent : Moderate, Area Affected : 5%								
Location : At Hatch Area								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Main Roof Every Time It Rains								
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		
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	$28,100	LIFE	* *	5	$11,100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Apparatus								
Other Observation, Extent : Severe, Area Affected : 50%								
Location : Apparatus Floor								
Explanation : Structurally Insufficient. Temporarily Supported On Lally Columns								
Ceramic Tile	5%			2040	* *	5	$500	
Quarry Tile	5%			2044	* *	5	$800	
Vinyl Tile	20%			2031	$18,400	3	$1,000	
Vinyl Tile 9" X 9"	20%	Now	$23,800	2041	* *	3	$800	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Second Floor								
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Second Floor								
Worn/Eroded, Extent : Severe, Area Affected : 100%								
Location : Second Floor								
Interior Walls								
Cast in Place Concrete	10%	Now	$9,400	LIFE	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : Rear Facade In Basement								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Rear Facade Of Basement								
Ceramic Tile	8%			2040	* *	5	$1,100	
Masonry: Brick	22%			LIFE	* *	10	$900	
Plaster	60%	Now	$14,300	LIFE	* *	5	$2,500	
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : 2nd Floor Locker Room, Television Room, Officers Room And Bunkroom								
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : Locker Room And East Side Of Officer Bunkroom								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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%	4+	$900	2044	* *	5	$1,000	
Broken/Missing Elements, Extent : Severe, Area Affected : 2%								
Location : Second Floor								
Staining/Discoloring, Extent : Moderate, Area Affected : 2%								
Location : Second Floor								
Exposed Concrete	40%	Now	$139,000	LIFE	* *	5	$600	
Exposed Reinforcement, Extent : Severe, Area Affected : 20%								
Location : Cellar								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Basement From Front Apparatus Floor And Below Kitchen								
Worn/Eroded, Extent : Severe, Area Affected : 20%								
Location : Cellar								
Other Observation, Extent : Severe, Area Affected : 80%								
Location : Cellar								
Explanation : Temporary Posts Supporting Apparatus Floor Above								
Plaster	40%	Now	$17,000	LIFE	* *	5	$2,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Locker Room, Apparatus Floor At Pipe Penetrations, And Basement Stair Case								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : 1st Floor Bunker Gear, Side Entry Door, 2nd Floor Locker Room, Office And Bathroom								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	$10,400	2051	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Inoperable Gate At 37th Avenue, Broken And Missing Components								
Corrosion/Rusting, Extent : Severe, Area Affected : 100%								
Location : Rear And Side Fence And Posts								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	$2,300	2036	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 15%								
Location : At Apron By Overhead Door Entrance								
On-Site Walkways								
Cast in Place Concrete	100%	Now	$3,800	2036	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Rear								
Misaligned/Bulging, Extent : Severe, Area Affected : 10%								
Location : At Rear Gate								
Parking/Driveway								
Cast in Place Concrete	100%	Now	$4,300	2044	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Side Yard By Cellar Access Hatches								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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 : Basement								
Explanation : Main Service Disconnect Switch Rated At 200 Amperes.								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2041	* *	5	$200	
Raceway								
Conduit	80%			2031	$26,800	1		
Conduit	20%			2041	* *	1		
Panelboards								
Molded Case Bkrs	80%			2039	* *	5	$100	
Molded Case Bkrs	20%			2030	$8,200	5		
Wiring								
Thermoplastic	80%			2041	* *	1		
Thermoplastic	20%			2031	$5,900	1		
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
LED	100%			2039	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : LED Lamps								
Egress Lighting								
Emergency, Battery	10%			2039	* *	10	$200	
No Component	90%							
Exterior Lighting								
HID	15%			2031	$4,100	10		
LED	15%			2039	* *			
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								
Energy Source								
Natural Gas	100%			2051	* *	1		
Conversion Equipment								
Steam Boiler	100%			2044	* *	1	$6,700	
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.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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								
Steam Piping/Pump	100%	0-2	$3,000	2041	* *			
Loose, Extent : Moderate, Area Affected : 90%								
Location : Various Locations								
Terminal Devices								
Convector/Radiator	100%	0-2	$1,800	2036	* *	1	$2,000	
Leak Evident, Extent : Moderate, Area Affected : 60%								
Location : At Connections, Various Locations								
Air Conditioning								
Energy Source								
Electricity	100%			2047	* *	1		
Conversion Equipment								
Window/Wall Unit	50%	0-2	$1,400	2026	$7,000	1		
Not in Service, Extent : Moderate, Area Affected : 10%								
Location : Various Locations								
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2-5	$1,200	
No Component	80%							
Exhaust Fans								
Roof	20%			2036	* *	2		
Wall Unit	30%			2031	$700	2	$100	
No Component	50%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : There Is No Exhaust Fan For 2nd Floor Bathroom								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2026	$4,100	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Cellar								
Explanation : There Is Only One 75 Gallon Heater								
Sanitary Piping								
Cast Iron	100%	0-2	$2,500	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 20%								
Location : Water Backs Up To Front Side Of Basement								
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor								
Explanation : There Is No Trap In Girls Bathroom								
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. 260
Asset # : 13149

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								
Sump Pump(s)								
Submersible	100%	0-2	$200	2026	$200	4	$100	
Not in Service, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2024	$300	1-3		
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$95,800	$140,500
Electrical		$81,000
Total	**$95,800**	**$221,500**
Importance Code A	$95,800	$140,500
Importance Code B		$81,000
Total	**$95,800**	**$221,500**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$56,500	$8,000		
Interior Architecture	$41,900		$600	$300
Electrical	$1,800			$100
Mechanical	$4,900	$800	$1,100	$800
Site Pavements	$7,900			
Total	**$112,800**	**$8,800**	**$1,700**	**$1,200**
Importance Code A	$57,100	$8,600	$600	$600
Importance Code B	$31,300	$200	$1,100	$300
Importance Code C	$24,500			$300
Total	**$112,800**	**$8,800**	**$1,700**	**$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. 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
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	$95,800	LIFE	* *	5	$14,900	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Chimney At Roof								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 15%								
Location : Side And Rear At Base, Between Parapet To Windows And At Chimney On Roof								
Paint Peeling, Extent : Moderate, Area Affected : 10%								
Location : Sides And Rear Of Building								
Vegetation Growth, Extent : Severe, Area Affected : 5%								
Location : Base Of Building At Rear								
Masonry: Granite	5%			LIFE	* *	5	$1,600	
Masonry: Limestone	10%			LIFE	* *	5	$3,200	
Wood Overhead Doors	15%			2048	* *	5	$15,900	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Aparatus Overhead Door								
Windows								
Aluminum	100%	Now	$28,100	2047	* *	5	$1,000	
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 30%								
Location : Throughout Second Floor								
Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 2%								
Location : 2nd Floor Corridor								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Bunker Room At Window Openings And Basement Rear In Gymnasium								
Parapets								
Masonry: Brick	87%	Now	$10,100	LIFE	* *	5	$1,600	1
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%								
Location : Throughout Main Roof								
Masonry: Granite	3%			LIFE	* *	5-10	$800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front Facade								
Explanation : Granite Crown Molding As Copping								
Masonry: Limestone	10%	0-2	$1,100	LIFE	* *	5	$200	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Roof								
Modified Bitumen	100%	Now	$14,100	2031	$140,500			
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Hatch And Front Of Building								
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. 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
Interior								
Floors								
Cast in Place Concrete	60%	Now	$1,300	LIFE	* *	5	$12,800	
Broken/Missing Elements, Extent : Severe, Area Affected : 1%								
Location : Aparatus Floor Below Trucks								
Ceramic Tile	7%	Now	$300	2040	* *	5	$300	
Broken/Missing Elements, Extent : Severe, Area Affected : 2%								
Location : Kitchen								
Vinyl Tile	33%			2036	* *	3	$1,200	
Interior Walls								
Cast in Place Concrete	10%	Now	$1,800	LIFE	* *			
Water Penetration, Extent : Severe, Area Affected : 2%								
Location : Vault Below Sidewalk At Hatch								
Ceramic Tile	5%			2040	* *	5	$700	
Masonry: Brick	5%	Now	$1,400	LIFE	* *			
Paint Peeling, Extent : Severe, Area Affected : 10%								
Location : Basement And Stair To Basement								
Plaster	70%	Now	$16,000	LIFE	* *	5	$2,800	
Paint Peeling, Extent : Severe, Area Affected : 20%								
Location : Roof Hatch Walls								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Second Floor In Bunker, Officers Rooms And Lintel Above Apparatus Floor								
SGFT/Glazed Masonry	10%			LIFE	* *	10	$700	
Ceilings								
AcousTileSusp.Lay-In	5%			2044	* *	5	$500	
Exposed Concrete	33%			LIFE	* *	5-10	$4,000	
Plaster	62%	Now	$16,900	LIFE	* *	5	$3,800	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Apparatus Area By Overhead Door								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Apparatus Floor Above Bathroom And At Stairwell								
Worn/Eroded, Extent : Severe, Area Affected : 10%								
Location : Apparatus Area Over Bathroom								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	$3,200	2036	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : 29th Street								
On-Site Walkways								
Cast in Place Concrete	100%	Now	$1,800	2036	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Rear								

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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. 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	$2,800	2036	* *			
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	$5,200	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%			2031	$52,200	5		
Raceway								
Conduit	80%			2031	$26,800	1		
Conduit	20%			2051	* *	1		
Panelboards								
Fused Disc Sw	10%			2030	$4,100	5		
Molded Case Bkrs	70%			2030	$28,800	5		$100
Molded Case Bkrs	20%			2047	* *	5		
Wiring								
Thermoplastic	20%			2051	* *	1		
Thermoplastic	80%			2031	$23,700	1		
Motor Controllers								
Locally Mounted	100%			2029	$15,400	5		
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.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Interior Lighting								
Fluorescent	30%			2026	$5,300	10	$1,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor, 2nd Floor Office								
Explanation : T-12 Lamps								
Fluorescent	40%			2031	$7,100	10	$2,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement, 1st Floor								
Explanation : T-8 Lamps								
LED	30%			2039	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Explanation : LED Lamps								
Egress Lighting								
Exit, LED	100%			2059	* *	1		
Exterior Lighting								
LED	20%			2031	$5,600			
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%			2051	* *	1		
Conversion Equipment								
Steam Boiler	100%			2044	* *	1	$6,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	100%	0-2	$500	2041	* *			
Unbalanced System, Extent : Moderate, Area Affected : 50%								
Location : 2nd Floor Is Much Cooler								
Terminal Devices								
Convector/Radiator	100%			2029	$32,600	1	$2,000	
Air Conditioning								
Energy Source								
Electricity	100%			2047	* *	1		
Conversion Equipment								
Window/Wall Unit	50%			2026	$6,300	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	50%			LIFE	* *	2-5	$2,700	
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.
*** 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

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								
Roof	50%			2036	* *	2	$100	
Wall Unit	20%			2031	$400	2		
No Component	30%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2026	$3,700	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 75 Gallon								
Sanitary Piping								
Cast Iron	100%	0-2	$2,200	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Floor And Basement								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$200	4	$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2026	$300	1-3		
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$362,000	
Interior Architecture	$83,900	$40,900
Electrical		$91,300
Mechanical		$47,300
Total	**$445,900**	**$179,500**
Importance Code A	$362,000	
Importance Code B	$83,900	$179,500
Total	**$445,900**	**$179,500**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$46,900			
Interior Architecture	$55,000		$1,100	$1,300
Electrical	$200			$100
Mechanical	$30,700	$1,000	$1,700	$800
Site Enclosure	$900			
Site Pavements	$4,000			
Total	**$137,700**	**$1,000**	**$2,800**	**$2,200**
Importance Code A	$47,400	$500	$500	$500
Importance Code B	$57,900	$600	$1,800	$1,800
Importance Code C	$32,400		$600	
Total	**$137,700**	**$1,000**	**$2,800**	**$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. 262
Asset # : 13151

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	65%	Now	$39,200	LIFE	* *	5	$12,200	
Misaligned/Bulging, Extent : Moderate, Area Affected : 15%								
Location : Masonry Relieving Angle At 2nd Floor Level								
Metal Panel	10%			2041	* *	5-10	$12,900	
Metal Sect. OHD	10%	Now	$62,400	2051	* *	5	$2,900	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Bottom Panel And Glass								
Paint Peeling, Extent : Severe, Area Affected : 30%								
Location : Bottom Of Overhead Door								
Pre-Cast Concrete	15%			LIFE	* *	5	$18,200	
Windows								
Aluminum	100%	Now	$69,200	2056	* *	5	$800	1
Air Infiltration, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Broken/Missing Elements, Extent : Severe, Area Affected : 25%								
Location : First Floor, Basement								
Caulking Deteriorated, Extent : Moderate, Area Affected : 70%								
Location : Throughout								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor Windows At Alley								
Explanation : Metal Security Bars Rusted								
Parapets								
Masonry: Brick	45%	2-4	$5,000	LIFE	* *	5	$800	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Main Roof								
Caulking Deteriorated, Extent : Light, Area Affected : 15%								
Location : Main Roof								
Staining/Discoloring, Extent : Light, Area Affected : 20%								
Location : Main Roof								
Pre-Cast Concrete	55%			LIFE	* *	5	$12,500	

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. 262
Asset # : 13151

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								
Built-Up (BUR)	98%	Now	$191,300	2041	* *			1
Drains Clogged, Extent : Moderate, Area Affected : 30%								
Location : Main Roof								
Grvl/Blst Miss/Disp, Extent : Light, Area Affected : 5%								
Location : Main Roof								
Miss/Damaged Flashings, Extent : Severe, Area Affected : 15%								
Location : Main Roof								
Vegetation Growth, Extent : Moderate, Area Affected : 20%								
Location : Lower Roof And Main Roof								
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : Lower Roof And Main Roof								
Skylight, Plastic	2%	Now	$26,500	2051	* *	1		
Broken/Missing Elements, Extent : Moderate, Area Affected : 50%								
Location : Main Roof Skylight Covered With Membrane								
Glazing Clouded, Extent : Moderate, Area Affected : 50%								
Location : Main Roof Skylight								
Interior								
Floors								
Cast in Place Concrete	50%	Now	$15,500	LIFE	* *	5	$15,200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%								
Location : Basement								
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : Basement								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Cellar								
Explanation : Occasional Flooding Through Floor Slab From Hydrostatic Pressure								
Ceramic Tile	10%			2040	* *	5	$1,400	
Quarry Tile	5%			2044	* *	5	$1,000	
Vinyl Tile	10%	4+	$5,100	2031	$12,600	3	$500	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Office, Bunk Room And Corridor								
Patching Evident, Extent : Light, Area Affected : 5%								
Location : Office								
Vinyl Tile 9" X 9"	25%			2031	$40,900	3	$1,700	
Patching Evident, Extent : Light, Area Affected : 5%								
Location : Corridor								

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FIRE DEPARTMENT - 057
ENGINE CO. 262
Asset # : 13151

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	10%			LIFE	* *	10	$4,800	
Ceramic Tile	4%	2-4	$6,800	2034	* *	5	$400	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Bathroom Window								
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : Bathroom Window								
Ceramic Tile	6%			2034	* *	5	$1,100	
Concrete Masonry Unit	10%	4+	$2,300	LIFE	* *	5	$800	
Vertical Cracks, Extent : Moderate, Area Affected : 5%								
Location : Stairwell And Basement								
Plaster	30%	0-2	$9,800	LIFE	* *	5	$1,700	
Paint Peeling, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : 1st And 2nd Floor Perimeter And Bunk Room Windows								
SGFT/Glazed Masonry	40%			LIFE	* *	10	$3,800	
Ceilings								
AcousTileConcealSpLn	30%	Now	$36,100	2051	* *	5	$2,600	
Broken/Missing Elements, Extent : Severe, Area Affected : 20%								
Location : 2nd Floor Gymnasium, Locker Room And Dormitory								
Worn/Eroded, Extent : Severe, Area Affected : 80%								
Location : 2nd Floor Throughout								
Exposed Concrete	50%	0-2	$47,800	LIFE	* *	5	$1,100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Basement Mechanical Room								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Gypsum Board	5%	2-4	$800	LIFE	* *	5	$900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Kitchen And Lounge								
Plaster	15%	0-2	$5,900	LIFE	* *	5	$1,300	
Paint Peeling, Extent : Severe, Area Affected : 20%								
Location : Second Floor Bathroom								
Staining/Discoloring, Extent : Moderate, Area Affected : 15%								
Location : 1st Floor Bathroom, 2nd Floor Bathroom, Office And Apparatus Floor								
Site Enclosure								
Fence/Gates								
Iron Picket	100%	Now	$900	2066	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 100%								
Location : Rear Gate								
Free Standing Walls								
Under Construction	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Side Yard								
Explanation : Temporary Plywood Wall Installed By Adjacent Property Owner								

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FIRE DEPARTMENT - 057
ENGINE CO. 262
Asset # : 13151

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								
Public Sidewalk								
Cast in Place Concrete	100%			2036	* *			
On-Site Walkways								
Cast in Place Concrete	100%	2-4	$1,000	2036	* *			
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	$3,000	2036	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : Side Yard								

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								
Molded Case Bkrs	100%			2031	$5,200	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	$52,200	5	$200	
Raceway								
Conduit	100%			2031	$33,500	1		
Panelboards								
Fused Disc Sw	5%			2030	$2,100	5		
Molded Case Bkrs	95%			2030	$39,100	5	$200	
Wiring								
Thermoplastic	100%			2031	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2029	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$300	
Lighting								
Interior Lighting								
Fluorescent	70%			2036	* *	10	$6,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement And Second Floor								
Explanation : T-8 Lamps								
LED	30%			2039	* *			
Exterior Lighting								
LED	20%			2039	* *			
No Component	80%							

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FIRE DEPARTMENT - 057
ENGINE CO. 262
Asset # : 13151

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
Alarm								
Security System								
No Component	95%							
Generic	5%			2031	$1,500	1	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : In Front Of The Building								
Explanation : Only Outside								

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%			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	$700	
Terminal Devices								
Convector/Radiator	95%			2029	$47,300	1	$2,900	
Unit Heater - Steam	5%			2026	$1,700	4	$100	
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%	0-2	$15,100	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	$6,800	1		
No Component	45%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	* *	2-5	$3,300	
No Component	60%							

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FIRE DEPARTMENT - 057
ENGINE CO. 262
Asset # : 13151

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%	0-2	$1,300	2026	$6,600	2		
On Extended Life, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Floor								
Roof	30%	0-2	$4,600	2041	* *	2	$100	
Obsolete Equipment, Extent : Moderate, Area Affected : 100%								
Location : Roof								
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2029	$5,700	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%	0-2	$6,800	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Floor, Kitchen And Most Of The Bathrooms								
Leak Evident, Extent : Moderate, Area Affected : 3%								
Location : 2nd Floor Office Bathroom								
Storm Drain Piping								
Cast Iron	90%			LIFE	* *	1		
Cast Iron	10%	0-2	$800	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 40%								
Location : Outdoor Pit Drain Near Basement Mechanical Room								
Sump Pump(s)								
Submersible	100%			2024	$300	4	$300	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Basement								
Explanation : 6 Units								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2024	$300	1-3		

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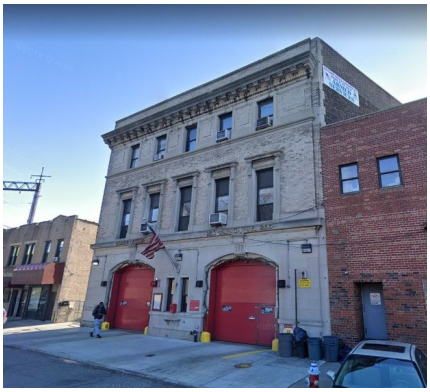
Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$470,000	
Interior Architecture	$348,900	
Electrical		$39,100
Total	**$818,900**	**$39,100**
Importance Code A	$470,000	
Importance Code B	$313,700	$39,100
Importance Code C	$35,300	
Total	**$818,900**	**$39,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$67,300		$7,300	
Interior Architecture	$101,400		$1,500	$500
Electrical	$22,400	$300	$2,200	$400
Mechanical	$16,300	$600	$900	$600
Total	**$207,400**	**$900**	**$11,900**	**$1,500**
Importance Code A	$67,800	$400	$7,700	$400
Importance Code B	$89,800	$500	$4,200	$1,000
Importance Code C	$49,800			
Total	**$207,400**	**$900**	**$11,900**	**$1,500**



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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
Exterior								
Exterior Walls								
Masonry: Brick	70%	Now	$263,600	LIFE	* *	5	$27,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Chimney On Roof								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 30%								
Location : Throughout, Front Facade Between 2nd And 3rd Floor								
Masonry: Granite	3%			LIFE	* *	5	$1,800	
Masonry: Limestone	15%	Now	$34,100	LIFE	* *	5	$4,400	
Cracking/Crumbling, Extent : Light, Area Affected : 2%								
Location : Front Facade								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%								
Location : North Facade								
Metal Sect. OHD	12%			2044	* *	5	$14,600	
Windows								
Aluminum	100%	Now	$95,800	2056	* *	5	$1,100	
Condensation Present, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Unit Inoperable, Extent : Moderate, Area Affected : 10%								
Location : 3rd Floor And Front Offices								
Water Penetration, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	20%	4+	$9,100	LIFE	* *	5	$5,200	
Broken/Missing Elements, Extent : Light, Area Affected : 1%								
Location : Crown								
Staining/Discoloring, Extent : Light, Area Affected : 10%								
Location : At Crown								
Vegetation Growth, Extent : Light, Area Affected : 5%								
Location : At Crown								
Other Observation, Extent : Moderate, Area Affected : 1%								
Location : Upper Parapet								
Explanation : Exposed Rebar								
Masonry: Brick	80%	0-2	$49,800	LIFE	* *	5	$2,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout Parapet								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Exterior Parapet								
Paint Peeling, Extent : Light, Area Affected : 20%								
Location : Interior Parapet								
Painted Surfaces, Extent : Light, Area Affected : 100%								
Location : Upper Parapet								

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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
Exterior								
Roof								
Modified Bitumen	95%	Now	$60,800	2036	* *			
Alligatoring, Extent : Light, Area Affected : 10%								
Location : Upper Roof								
Blisters, Extent : Light, Area Affected : 5%								
Location : Upper Roof								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : At All Penetrations								
Skylight, Metal/Glass	5%	Now	$23,200	2041	* *			1
Corrosion/Rusting, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Interior								
Floors								
Cast in Place Concrete	40%	Now	$53,200	LIFE	* *	5	$17,500	
Loose/Delam Surface, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Floor								
Other Observation, Extent : Severe, Area Affected : 50%								
Location : Apparatus Floor On Ladder Side								
Explanation : Structurally Inadequate								
Ceramic Tile	10%	2-4	$16,500	2034	* *	5	$1,000	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Ladder Company 117 Bathrooms And Showers								
Loose/Delam Surface, Extent : Moderate, Area Affected : 10%								
Location : Ladder Company 117 Bathrooms And Showers								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Ladder Company 117 Bathrooms And Showers								
Quarry Tile	10%			2044	* *	5	$3,000	
Vinyl Tile	20%	Now	$14,500	2036	* *	3	$1,500	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Throughout								
Worn/Eroded, Extent : Severe, Area Affected : 20%								
Location : 2nd Floor								
Wood	20%	Now	$42,200	2046	* *	5	$3,700	
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : 3rd Floor Gymnasium, And Stair Landings								

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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	$24,300	2034	* *	5	$1,400	
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : Third Floor Bathrooms								
Masonry: Brick	20%	0-2	$22,800	LIFE	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Cellar								
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%								
Location : Cellar								
Paint Peeling, Extent : Light, Area Affected : 25%								
Location : Cellar								
Plaster	50%	Now	$35,300	LIFE	* *	5	$4,100	
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Basement Engine Side, 3rd Floor Rear, Baths And Scuttle To Roof								
Vertical Cracks, Extent : Moderate, Area Affected : 2%								
Location : Rear 3rd Floor Offices								
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : Bunk Room East Wall At Window, Bathroom Window Openings And Scuttle To Roof								
Worn/Eroded, Extent : Severe, Area Affected : 80%								
Location : 3rd Floor Around Roof Scuttle								
Other Observation, Extent : Severe, Area Affected : 5%								
Location : Scuttle To Roof								
Explanation : Exposed Rebar								
SGFT/Glazed Masonry	20%			LIFE	* *	10	$2,700	

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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								
Ceilings								
AcousTileSusp.Lay-In	15%	0-2	$5,200	2036	* *	5	$1,500	
Broken/Missing Elements, Extent : Severe, Area Affected : 30%								
Location : 2nd Floor At Lockers And Bathrooms, Kitchen								
Staining/Discoloring, Extent : Light, Area Affected : 10%								
Location : 2nd Floor At Lockers And Bathrooms								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor At Lockers And Bathrooms								
Embossed Metal	15%	4+	$5,600	LIFE	* *	5	$1,300	
Bent/Warped Elements, Extent : Severe, Area Affected : 10%								
Location : Apparatus Room Throughout								
Paint Peeling, Extent : Severe, Area Affected : 100%								
Location : Apparatus Room								
Exposed Concrete	15%	Now	$128,600	LIFE	* *	5	$500	
Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
Location : Basement Throughout								
Patching Evident, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Exposed Struc: Steel	20%	2-4	$89,800	LIFE	* *			
Corrosion/Rusting, Extent : Severe, Area Affected : 10%								
Location : Basement								
Plaster	35%	Now	$9,800	LIFE	* *	5	$4,400	
Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
Location : 3rd Floor Roof Scuttle Throughout								
Paint Peeling, Extent : Severe, Area Affected : 10%								
Location : Roof Scuttle								
Site Pavements								
Public Sidewalk								
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%			2031	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Ampere Main Disconnect Switch								
Raceway								
Conduit	100%			2031	$33,500	1		
Panelboards								
Fused Disc Sw	5%			2030	$2,100	5		
Molded Case Bkrs	95%			2030	$39,100	5	$100	

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ENGINE CO. 263/LADDER CO. 117
Asset # : 13152

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								
Wiring								
Braided Cloth	40%	2-4	$11,800	2056	* *	1		
On Extended Life, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Thermoplastic	40%			2031	$11,800	1		
Thermoplastic	20%			2041	* *	1		
Motor Controllers								
Locally Mounted	100%			2029	$15,400	5		
Ground								
Grounding Devices								
Generic	100%	0-2	$10,200	LIFE	* *	5	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Water Main Basement								
Explanation : Corroded.								
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	* *	1	$1,400	
Generators								
Diesel	100%			2034	* *	1	$1,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 60 Kilowatts								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$200	
Fuel Storage								
Day Tank	50%			2039	* *	5	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 60 Gallons								
Main Tank	50%			2034	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 550 Gallons								
Lighting								
Interior Lighting								
Fluorescent	65%			2031	$8,300	10	$2,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement And Second Floor								
Explanation : T-8 Lamps								
Incandescent	5%			2031	$1,500	2		
LED	30%			2039	* *			
Exterior Lighting								
HID	20%			2026	$3,600	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		
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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	100%	Now	$1,000	2041	* *			
Corroded, Extent : Moderate, Area Affected : 20%								
Location : Return Line In Basement								
Leak Evident, Extent : Moderate, Area Affected : 2%								
Location : Supply Line In Basement								
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Explanation : There Is Only One Thermostat In The Building								
Terminal Devices								
Convector/Radiator	100%	Now	$500	2029	$23,600	1	$1,300	
Leak Evident, Extent : Moderate, Area Affected : 2%								
Location : 2nd Floor Engine Company Office								
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Split Unit	15%	0-2	$4,200	2031	$14,100			
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Kitchen And Engine Side 1st Floor Back Room								
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : 2 Units.								
Window/Wall Unit	40%	0-2	$3,700	2031	$3,700	1		
Malfunctioning, Extent : Moderate, Area Affected : 60%								
Location : 2nd And 3rd Floors								
On Extended Life, Extent : Moderate, Area Affected : 100%								
Location : 2nd And 3rd Floors								
Window/Wall Unit	10%			2026	$900	1		
No Component	35%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2-5	$800	
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
ENGINE CO. 263/LADDER CO. 117
Asset # : 13152

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								
Roof	20%			2039	* *	2		
Wall Unit	20%	0-2	$300	2041	* *	2		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : 2 Extended Life Time And Inefficient Units								
No Component	60%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2031	$32,900	1		
Water Heater								
Gas Fired	50%			2026	$1,300	2		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit 74 Gallon								
Gas Fired	50%			2030	$1,300	2		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit 74 Gallon								
Sanitary Piping								
Cast Iron	30%	Now	$4,800	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : Kitchen And Toilets								
Corroded, Extent : Moderate, Area Affected : 50%								
Location : Basement								
Leak Evident, Extent : Moderate, Area Affected : 10%								
Location : 3rd Floor Truck Side Rear Shower Tub, 2nd Floor Rear Bathroom And Girls Bathroom								
Cast Iron	70%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	30%	Now	$800	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : Water Backs Up In Basement								
Corroded, Extent : Moderate, Area Affected : 50%								
Location : Basement								
Cast Iron	70%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$100	4	$100	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2024	$300	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.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **22-Nov-2016**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Roof, Floors 1,2**		
Block	: **15926** **Lot** : **44**	**BIN**	: **4302052**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Interior Architecture		$41,300
Total		**$41,300**
Importance Code B		$41,300
Total		**$41,300**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$11,500	$12,500	$1,500	
Interior Architecture	$3,800		$700	
Electrical	$3,200	$17,900	$1,500	$1,300
Mechanical	$2,300	$2,100	$2,700	$2,100
Site Enclosure	$4,200			
Total	**$25,100**	**$32,500**	**$6,300**	**$3,400**
Importance Code A	$12,400	$13,400	$2,300	$900
Importance Code B	$5,300	$19,100	$4,000	$2,500
Importance Code C	$7,300			
Total	**$25,100**	**$32,500**	**$6,300**	**$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.
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FIRE DEPARTMENT - 057

ENGINE CO. 265/LADDER CO. 121 / EMS STATION 47

Asset # : 13154

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								
Concrete Masonry Unit	25%			LIFE	* *	5	$6,900	
Exposed Struc: Steel	5%			LIFE	* *	5	$6,900	
Masonry: Brick	55%			LIFE	* *	5	$24,300	
Metal Sect. OHD	10%			2041	* *	5	$13,800	
Window Wall	5%			2048	* *	5	$8,300	
Windows								
Aluminum	95%			2044	* *	5	$2,900	
Metal Louvers	5%			2037	* *	10	$1,000	
Parapets								
Concrete Masonry Unit	25%			LIFE	* *	5	$1,200	
Masonry: Brick	60%			LIFE	* *	5	$2,600	
Metal Panel	5%			2048	* *	5	$900	
Metal Rail	10%			2041	* *	5-10	$8,000	
Roof								
Metal Panel	25%			2041	* *	10	$14,600	
Modified Bitumen	50%	Now	$11,500	2033	* *			
Water Penetration, Extent : Light, Area Affected : 15%								
Location : Over The Second Floor								
Modified Bitumen	25%			2033	* *	10	$7,900	
Other Observation, Extent : Moderate, Area Affected : 50%								
Location : Over The Second Floor								
Explanation : Concrete Pavers								
Interior								
Floors								
Cast in Place Concrete	70%			LIFE	* *	5	$41,300	
Ceramic Tile	5%			2037	* *	5	$1,300	
Quarry Tile	5%			2041	* *	5	$2,000	
Vinyl Tile	20%			2033	* *	3	$2,000	
Interior Walls								
Ceramic Tile	5%			2037	* *	5	$1,200	
Concrete Masonry Unit	40%			LIFE	* *	5	$4,000	
Gypsum Board	45%	Now	$2,500	LIFE	* *	5	$6,700	
Water Penetration, Extent : Light, Area Affected : 10%								
Location : 2nd Floor								
Masonry: Brick	5%			LIFE	* *			
Wood	5%			LIFE	* *	5	$5,000	
Ceilings								
AcousTileSusp.Lay-In	30%			2041	* *	5	$8,100	
Exposed Struc: Steel	60%			LIFE	* *			
Gypsum Board	10%			LIFE	* *	5	$3,400	
Site Enclosure								
Fence/Gates								
Chain Link	50%			2048	* *			
Iron Picket	50%	Now	$2,500	2063	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 30%								
Location : Throughout								

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

FIRE DEPARTMENT - 057
ENGINE CO. 265/LADDER CO. 121 / EMS STATION 47
Asset # : 13154

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 Enclosure								
Free Standing Walls								
Concrete Masonry Unit	100%	Now	$1,800	2048	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Other Observation, Extent : Light, Area Affected : 5%								
Location : Masonry Free Standing Wall								
Explanation : Decorative Steel Detailing Above Needs Re - Anchoring								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2048	* *			
Parking/Driveway								
Asphalt	80%			2043	* *			
Cast in Place Concrete	20%			2048	* *			

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%			2048	* *	5	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Electrical Room 1st Floor								
Explanation : Two 400 Amperes For Building And Mechanical Equipment, One 200 Amperes For Emergency								
Switchgear / Switchboard								
Fused Disc Sw	100%			2048	* *	5	$100	
Raceway								
Conduit	100%			2048	* *	1		
Panelboards								
Fused Disc Sw	10%			2044	* *	5		
Molded Case Bkrs	90%			2044	* *	5	$400	
Wiring								
Thermoplastic	100%			2048	* *	1		
Motor Controllers								
Locally Mounted	100%			2041	* *	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$300	
Stand-by Power								
Transfer Switches								
Automatic	100%			2041	* *	1	$5,500	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Electrical Room								
Explanation : Three Automatic Transfer Switches								

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FIRE DEPARTMENT - 057
ENGINE CO. 265/LADDER CO. 121 / EMS STATION 47
Asset # : 13154

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
Stand-by Power								
Generators								
Diesel	100%			2037	* *	1	$7,000	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Outside								
Explanation : One 80 Kilovolt-ampere								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$700	
Fuel Storage								
Main Tank	100%			2056	* *	5	$500	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Outside								
Explanation : One 60 Gallons								
Lighting								
Interior Lighting								
Fluorescent	100%			2033	* *	10	$16,500	
T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Egress Lighting								
Emergency, Service	60%			2033	* *	1		
Exit, LED	40%			2056	* *	1		
Exterior Lighting								
HID	100%			2033	* *	10	$100	

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%			2048	* *	1		
Conversion Equipment								
Furnace	40%			2033	* *	1	$3,600	
Other Observation, Extent : Light, Area Affected : 40%								
Location : Roof								
Explanation : 6 Rooftop Package Units								
Hot Water Boiler	60%			2041	* *	1	$5,300	
Other Observation, Extent : Light, Area Affected : 60%								
Location : 1st Floor Boiler Room								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	60%	0-2	$800	2044	* *	4	$500	
Corroded, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Mechanical Room								
No Component	40%							

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FIRE DEPARTMENT - 057

ENGINE CO. 265/LADDER CO. 121 / EMS STATION 47

Asset # : 13154

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								
Air Handler	20%			2033	* *	1	$2,200	
Convector/Radiator	10%			2041	* *	1	$600	
Unit Heater - Steam	30%			2028	$19,300	4	$500	
No Component	40%							
Air Conditioning								
Energy Source								
Electricity	100%			2044	* *	1		
Conversion Equipment								
Reciprocating Compr/Chiller	20%			2033	* *	1	$1,700	
R-22 Refrigerant, Extent : Light, Area Affected : 20%								
Location : 2nd Floor Mechanical Room								
Ext Pkg Unit - Heating/Cooling	50%			2033	* *	2	$600	
R-22 Refrigerant, Extent : Light, Area Affected : 50%								
Location : 6 Rooftop Package Units								
No Component	30%							
Terminal Devices								
Air Handler/Dir Expansion	20%			2033	* *	1		
No Component	80%							
Heat Rejection								
Air Cooled Condenser Unit	20%			2033	* *	2	$2,500	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	70%			LIFE	* *	2-5	$7,000	
No Component	30%							
Exhaust Fans								
Interior	20%			2033	* *	2	$100	
Roof	50%			2033	* *	2	$300	
No Component	30%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2048	* *	1		
Water Heater								
Gas Fired	100%			2026	$11,000	2	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Boiler Room								
Explanation : 2 - 100 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
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. 265/LADDER CO. 121 / EMS STATION 47

Asset # : 13154

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%			2033	* *	1	$1,100	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$369,200	$182,900
Interior Architecture	$89,400	
Electrical		$76,900
Mechanical		$111,600
Site Pavements	$43,100	
Total	**$501,800**	**$371,400**
Importance Code A	$369,200	$182,900
Importance Code B	$89,400	$188,500
Importance Code C	$43,100	
Total	**$501,800**	**$371,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$7,500	$4,200		$6,900
Interior Architecture	$78,500	$900		$900
Electrical	$11,000	$1,100	$2,800	$1,100
Mechanical	$12,000	$2,200	$1,800	$19,900
Site Enclosure	$8,800			
Site Pavements	$57,200			
Total	**$175,000**	**$8,300**	**$4,600**	**$28,800**
Importance Code A	$8,700	$5,400	$1,200	$8,200
Importance Code B	$62,100	$2,900	$3,400	$20,700
Importance Code C	$104,200			
Total	**$175,000**	**$8,300**	**$4,600**	**$28,800**



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. 266
Asset # : 13155

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	25%	Now	$44,700	LIFE	* *	5	$6,900	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 30%								
Location : All Facades								
Water Penetration, Extent : Severe, Area Affected : 15%								
Location : Northwest Facade								
Masonry: Granite	5%			LIFE	* *	5	$1,000	
Masonry: Limestone	5%			LIFE	* *	5	$1,000	
Staining/Discoloring, Extent : Light, Area Affected : 2%								
Location : Underside Of Cornice, Front Facade.								
Stucco Cement	55%	Now	$283,400	2043	* *	5	$19,100	
Cracking/Crumbling, Extent : Severe, Area Affected : 25%								
Location : Side And Rear Walls								
Water Penetration, Extent : Severe, Area Affected : 30%								
Location : Side And Rear Facades Into Interior								
Wood Overhead Doors	10%			2035	* *	5	$13,900	
Windows								
Aluminum	100%	Now	$6,800	2046	* *	5	$1,500	
Hardware Missing, Extent : Severe, Area Affected : 10%								
Location : Throughout								
Weather Strip Missing, Extent : Severe, Area Affected : 40%								
Location : Throughout								
Parapets								
Pre-Cast Concrete	10%	Now	$700	LIFE	* *	5	$2,300	
Vegetation Growth, Extent : Severe, Area Affected : 20%								
Location : Coping Stones								
Worn/Eroded, Extent : Severe, Area Affected : 10%								
Location : Coping Stopes								
Stucco Cement	90%			2043	* *	5	$8,300	
Roof								
Modified Bitumen	75%	Now	$41,200	2030	$137,200			
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 5%								
Location : Flashing Misaligned Along Parapet On Roof Access Hatch Side.								
Ponding, Extent : Light, Area Affected : 5%								
Location : Third Floor Roof								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : 2nd Through 3rd Floor								
Modified Bitumen	25%			2030	$45,700	10	$3,200	
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.
*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 266
Asset # : 13155

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	45%	Now	$89,400	LIFE	* *	5	$17,600	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Basement								
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Basement								
Other Observation, Extent : Severe, Area Affected : 2%								
Location : Basement								
Explanation : Exposed Rebars								
Ceramic Tile	10%			2033	* *	5	$1,800	
Quarry Tile	5%	0-2	$1,400	2035	* *	5	$700	
Worn/Eroded, Extent : Moderate, Area Affected : 75%								
Location : Kitchen								
Vinyl Tile	40%	Now	$6,500	2035	* *	3	$2,700	
Broken/Missing Elements, Extent : Severe, Area Affected : 15%								
Location : Kitchen And Dining Area								
Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 15%								
Location : Throughout								
Worn/Eroded, Extent : Severe, Area Affected : 75%								
Location : Throughout								
Interior Walls								
Ceramic Tile	10%	Now	$14,500	2043	* *	5	$1,200	
Broken/Missing Elements, Extent : Severe, Area Affected : 15%								
Location : Kitchen, Toilets								
Masonry: Brick	5%	Now	$10,200	LIFE	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Basement								
Staining/Discoloring, Extent : Severe, Area Affected : 15%								
Location : Basement, Throughout.								
Plaster	55%	Now	$11,600	LIFE	* *	5	$4,100	
Cracking/Crumbling, Extent : Severe, Area Affected : 15%								
Location : Throughout								
Deteriorated Finish, Extent : Severe, Area Affected : 25%								
Location : Throughout								
Paint Peeling, Extent : Severe, Area Affected : 25%								
Location : Throughout								
Water Penetration, Extent : Severe, Area Affected : 15%								
Location : Throughout								
SGFT/Glazed Masonry	30%	Now	$15,300	LIFE	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 2%								
Location : Apparatus Floor								
Worn/Eroded, Extent : Severe, Area Affected : 15%								
Location : Apparatus Floor								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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	5%	Now	$7,700	2050	* *	5	$400	
Misaligned/Bulging, Extent : Severe, Area Affected : 10%								
Location : Kitchen								
Staining/Discoloring, Extent : Severe, Area Affected : 50%								
Location : Kitchen								
Metal Panel	5%			LIFE	* *	5	$1,100	
Plaster	90%	Now	$11,300	LIFE	* *	5	$10,100	
Broken/Missing Elements, Extent : Light, Area Affected : 2%								
Location : Second Floor Locker Room								
Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
Location : Apparatus Area								
Paint Peeling, Extent : Light, Area Affected : 2%								
Location : Basement								
Water Penetration, Extent : Severe, Area Affected : 25%								
Location : 2nd And 3rd Floor								
Site Enclosure								
Fence/Gates								
Chain Link	70%	Now	$8,800	2050	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Rear Gate								
Corrosion/Rusting, Extent : Severe, Area Affected : 50%								
Location : Side Yard								
Chain Link	30%			2050	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	50%			2043	* *			
Cast in Place Concrete	50%	Now	$13,300	2050	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
Location : Disota Road								
On-Site Walkways								
Cast in Place Concrete	100%	Now	$26,200	2050	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 80%								
Location : Side Yard								
Parking/Driveway								
Asphalt	80%	Now	$43,100	2045	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 80%								
Location : Rear Parking Area								
Cast in Place Concrete	20%	Now	$17,600	2050	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 90%								
Location : Rear Parking Area								

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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FIRE DEPARTMENT - 057

ENGINE CO. 266

Asset # : 13155

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%			2030	$5,200	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : No Available Nameplate Rating Capacity								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2030	$52,200	5	$300	
Raceway								
Conduit	60%			2030	$20,100	1		
Conduit	40%			2050	* *	1		
Panelboards								
Molded Case Bkrs	60%			2029	$24,700	5	$200	
Molded Case Bkrs	40%			2046	* *	5	$100	
Wiring								
Thermoplastic	40%			2050	* *	1		
Thermoplastic	60%			2030	$17,800	1		
Ground								
Grounding Devices								
Generic	100%	2-4	$10,200	LIFE	* *	5	$200	
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Pit								
Stand-by Power								
Transfer Switches								
Automatic	100%			2043	* *	1	$3,700	
Generators								
Diesel	100%			2039	* *	1	$4,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Backyard								
Explanation : 80 Kilovolt-ampere Nameplate Rating Capacity								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$400	
Fuel Storage								
Main Tank	100%			2058	* *	5	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Backyard								
Explanation : 60 Gallons Nameplate Rating Capacity								
Lighting								
Interior Lighting								
LED	100%			2038	* *			
Exterior Lighting								
HID	20%			2030	$9,600	10		
No Component	80%							
Alarm								

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FIRE DEPARTMENT - 057
ENGINE CO. 266
Asset # : 13155

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
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		
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%			2043	* *	1	$11,800	
Distribution								
Steam Piping/Pump	10%	0-2	$2,100	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	$47,600			
Terminal Devices								
Convector/Radiator	10%	0-2	$600	2028	$6,400	1	$400	
Corroded, Extent : Light, Area Affected : 20%								
Location : All Floors								
Convector/Radiator	90%			2028	$57,600	1	$3,500	
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Split Unit	5%			2030	$12,800			
Window/Wall Unit	50%	0-2	$1,200	2025	$12,500	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	$6,300	1	$200	
No Component	95%							
Heat Rejection								
Air Cooled Condenser Unit	5%			2030	$700	2	$400	
No Component	95%							

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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
Air Conditioning								
Dehumidifier								
No Component	75%							
Generic	25%			2034	* *			
Ventilation								
Distribution								
Ductwork/Diffusers	10%	0-2	$200	LIFE	* *	2-5	$700	
Insul. Deteriorating, Extent : Moderate, Area Affected : 5%								
Location : Generator Exhaust								
No Component	90%							
Exhaust Fans								
Wall Unit	25%	2-4	$1,100	2040	* *	2	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Floor And Kitchen								
Explanation : 3 Old Units								
No Component	75%							
Plumbing								
H/C Water Piping								
Brass/Copper	10%	0-2	$400	2040	* *	1		
Not Insulated, Extent : Light, Area Affected : 10%								
Location : Basement								
Brass/Copper	90%			2040	* *	1		
Water Heater								
Electric	20%			2028	$2,100	4		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : Solar Heater								
Gas Fired	80%			2025	$5,800	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%	0-2	$4,400	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : 1st Floor East Side Of The Building								
Corroded, Extent : Moderate, Area Affected : 60%								
Location : Basement								
Leak Evident, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor To Apparatus Floor								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2023	$400	4	$400	
Fixtures								
Generic	100%							
Obsolete Fixtures, Extent : Moderate, Area Affected : 10%								
Location : 3rd Floor Restroom								

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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	$300	1-3		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Kitchen								
Explanation : 1 Obsolete Unit								

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$456,600	$178,900
Interior Architecture	$161,200	$50,900
Electrical		$131,700
Total	**$617,800**	**$361,500**
Importance Code A	$456,600	$178,900
Importance Code B	$161,200	$182,600
Total	**$617,800**	**$361,500**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$84,700			$7,800
Interior Architecture	$125,000			$600
Electrical	$5,800	$1,000	$3,000	$1,100
Mechanical	$26,100	$2,400	$2,800	$32,800
Site Enclosure	$4,500			
Site Pavements	$600			
Total	**$246,600**	**$3,400**	**$5,900**	**$42,300**
Importance Code A	$86,000	$1,300	$1,300	$9,100
Importance Code B	$99,700	$2,100	$4,600	$33,200
Importance Code C	$60,900			
Total	**$246,600**	**$3,400**	**$5,900**	**$42,300**



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FIRE DEPARTMENT - 057
ENGINE CO. 271/LADDER CO. 124
Asset # : 13158

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	62%	Now	$336,500	LIFE	* *	5	$19,200	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 60%								
Location : Throughout.								
Worn/Eroded, Extent : Moderate, Area Affected : 70%								
Location : Throughout								
Masonry: Granite	5%	2-4	$10,600	LIFE	* *	5	$1,200	
Broken/Missing Elements, Extent : Light, Area Affected : 20%								
Location : Front Facade At Grade Level								
Masonry: Limestone	15%			LIFE	* *	5	$3,500	
Metal Panel	3%	Now	$7,800	2060	* *	5	$1,700	
Corrosion/Rusting, Extent : Moderate, Area Affected : 100%								
Location : Hose Tower								
Deformed/Dented, Extent : Moderate, Area Affected : 100%								
Location : Hose Tower								
Paint Peeling, Extent : Light, Area Affected : 10%								
Location : Hose Tower								
Stucco Cement	5%	Now	$31,300	2035	* *	5	$1,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 40%								
Location : Front Facade At Roof And Parapet Level								
Wood Overhead Doors	10%			2035	* *	5	$15,500	
Windows								
Aluminum	100%	Now	$31,000	2038	* *	5	$1,100	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Glazing Broken/Cracked, Extent : Moderate, Area Affected : 2%								
Location : Toilet Room Third Floor								
Unit Inoperable, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	15%			LIFE	* *	5	$2,200	
Masonry: Brick	80%	Now	$41,000	LIFE	* *	5	$1,500	
Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Front Facade On West Parapet								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 35%								
Location : Front Façade / West Parapet								
Spalling, Extent : Moderate, Area Affected : 40%								
Location : Throughout								
Pre-Cast Concrete	5%	Now	$4,000	LIFE	* *	5	$600	
Broken/Missing Elements, Extent : Light, Area Affected : 20%								
Location : Located At Front Facade.								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%								
Location : Located At Front Facade								
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : Located At Front Facade.								

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FIRE DEPARTMENT - 057
ENGINE CO. 271/LADDER CO. 124
Asset # : 13158

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								
Built-Up (BUR)	90%	Now	$35,800	2030	$178,900			
Blisters, Extent : Severe, Area Affected : 40%								
Location : Throughout.								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : 3rd Floor Lounge And Workout Room.								
Skylight, Metal/Glass	10%	Now	$43,300	2040	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 100%								
Location : Main Roof And Stair Bulkhead								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Throughout Upper And Lower Roofs								
Soffits								
Wood	100%			2035	* *	5		
Interior								
Floors								
Cast in Place Concrete	45%	Now	$56,100	LIFE	* *	5	$16,900	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Apparatus Floor And Basement.								
Ceramic Tile	5%	Now	$1,900	2033	* *	5	$400	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : 2nd Floor Laundry Room And Bathroom								
Quarry Tile	5%	Now	$1,400	2035	* *	5	$600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Kitchen								
Vinyl Tile	30%	Now	$30,600	2030	$50,900	3	$1,900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : 2nd And 3rd Floors								
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : 2nd And 3rd Floors								
Wood	15%	Now	$19,800	2033	* *	5	$2,400	
Worn/Eroded, Extent : Moderate, Area Affected : 20%								
Location : 3rd Floor								

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FIRE DEPARTMENT - 057
ENGINE CO. 271/LADDER CO. 124
Asset # : 13158

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%	Now	$3,800	2033	* *	5	$600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Apparatus Room And Stair								
Misaligned/Bulging, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Room And Stair								
Gypsum Board	10%			LIFE	* *	5	$1,400	
Masonry: Brick	20%	Now	$21,400	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : Basement Foundation Wall								
Plaster	30%	Now	$3,300	LIFE	* *	5	$2,100	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : 2nd Floor Bunk Room And Toilet Room On The Truck Side.								
SGFT/Glazed Masonry	25%	Now	$26,600	LIFE	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Floor								
Wood	10%	Now	$1,200	LIFE	* *	5	$9,500	
Broken/Missing Elements, Extent : Light, Area Affected : 2%								
Location : Staircase By The Engine Chief Side Was Missing Balusters.								
Ceilings								
AcousTileSusp.Lay-In	10%	Now	$1,600	2035	* *	5	$900	
Broken/Missing Elements, Extent : Light, Area Affected : 20%								
Location : 1st And 2nd Floors								
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : 1st And 2nd Floors								
Embossed Metal	50%	Now	$8,800	LIFE	* *	5	$3,900	
Broken/Missing Elements, Extent : Light, Area Affected : 8%								
Location : Throughout 1st Floor								
Paint Peeling, Extent : Light, Area Affected : 15%								
Location : Throughout								
Exposed Struc: Steel	5%	Now	$105,100	LIFE	* *			
Corrosion/Rusting, Extent : Severe, Area Affected : 80%								
Location : Basement Both Sides.								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Basement								
Explanation : Temporary Support In Place Due To Cracking								
Plaster	35%	Now	$4,600	LIFE	* *	5	$3,800	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : 3rd Floor Workout Room.								
Paint Peeling, Extent : Light, Area Affected : 5%								
Location : 3rd Floor Workout Room And 2nd Floor Bunk Room.								
Site Enclosure								
Fence/Gates								
Chain Link	100%	4+	$400	2040	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 20%								
Location : Side Yard								

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FIRE DEPARTMENT - 057
ENGINE CO. 271/LADDER CO. 124
Asset # : 13158

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 Enclosure								
Free Standing Walls								
Concrete Masonry Unit	100%	Now	$4,200	2040	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Rear Property Line								
Retaining Walls								
Cast in Place Concrete	100%			2050	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	$500	2043	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : At Entrance								
On-Site Walkways								
Cast in Place Concrete	100%			2043	* *			
Parking/Driveway								
Asphalt	90%			2033	* *			
Cast in Place Concrete	10%	4+	$100	2043	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Front Ramp								

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%			2030	$5,600	5	$100	
Switchgear / Switchboard								
Molded Case Bkrs	100%			2030	$56,700	5	$300	
Raceway								
Conduit	100%			2040	* *	1		
Panelboards								
Molded Case Bkrs	80%			2029	$35,800	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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Yard								
Explanation : 73 Kilowatt								

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FIRE DEPARTMENT - 057
ENGINE CO. 271/LADDER CO. 124
Asset # : 13158

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
Stand-by Power								
Batteries								
Lead/Acid	100%			2024	$1,700	5	$500	
Fuel Storage								
Day Tank	50%			2046	* *	5	$1,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 130 Gallon								
Main Tank	50%			2058	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 550 Gallon								
Lighting								
Interior Lighting								
Fluorescent	85%			2030	$35,100	10	$10,200	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Fluorescent	10%			2030	$4,100	10	$1,200	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Incandescent	5%	Now	$4,900	2040	* *	2		
Not in Service, Extent : Moderate, Area Affected : 100%								
Location : Basement, Electrical Service Side								
Exterior Lighting								
HID	50%			2035	* *	10		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Perimeter								
Explanation : Operated Via Photocell								
No Component	50%							

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%			2050	* *	1		
Conversion Equipment								
Furnace	1%			2030	$300	1	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Engine Bay								
Explanation : Gas Fired Unit Heater								
Steam Boiler	99%			2035	* *	1	$12,900	
Distribution								
Steam Piping/Pump	100%			2040	* *			

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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. 271/LADDER CO. 124
Asset # : 13158

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								
Convector/Radiator	100%	Now	$3,800	2035	* *	1	$3,800	
Controller Not Working, Extent : Moderate, Area Affected : 100%								
Location : Radiator Controls Not Working Throughout The Building								
Air Conditioning								
Energy Source								
Electricity	100%			2046	* *	1		
Conversion Equipment								
Window/Wall Unit	70%			2025	$20,800	1		
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$7,300	
Exhaust Fans								
Roof	40%			2030	$9,500	2	$200	
Wall Unit	60%			2030	$3,000	2	$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2050	* *	1		
Water Heater								
Gas Fired	100%			2025	$8,700	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%	Now	$20,800	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 30%								
Location : Basement When It Rains								
Leak Evident, Extent : Severe, Area Affected : 10%								
Location : 2nd Floor Bathroom On The Ladder Company Side Of Building								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2023	$500	4	$400	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	95%							
Generic	5%			2025	$1,500	1-3	$200	

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.*

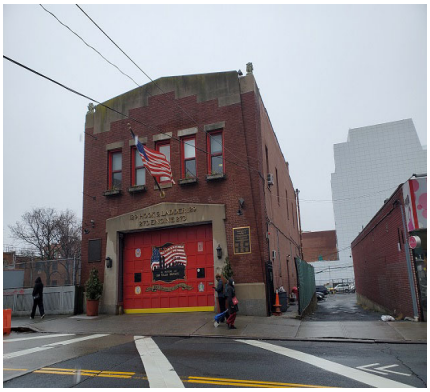
Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$81,200	
Interior Architecture	$159,100	
Electrical		$12,300
Total	**$240,200**	**$12,300**
Importance Code A	$81,200	
Importance Code B	$159,100	$12,300
Total	**$240,200**	**$12,300**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$46,500			
Interior Architecture	$17,500		$900	$400
Electrical	$300			
Mechanical	$3,300	$800	$1,300	$800
Site Enclosure	$3,700			
Site Pavements	$15,600			
Total	**$86,900**	**$800**	**$2,200**	**$1,200**
Importance Code A	$47,000	$500	$500	$500
Importance Code B	$14,800	$200	$1,600	$400
Importance Code C	$25,000			$200
Total	**$86,900**	**$800**	**$2,200**	**$1,200**



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*** 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		
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+	$12,900	LIFE	* *	5	$2,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Along Railroad								
Cast in Place Concrete	4%			LIFE	* *	5	$7,200	
Masonry: Brick	74%			LIFE	* *	5	$26,500	
Painted Surfaces, Extent : Moderate, Area Affected : 50%								
Location : North And West Façade								
Masonry: Granite	1%			LIFE	* *	5	$300	
Masonry: Limestone	9%	4+	$9,400	LIFE	* *	5	$1,200	
Broken/Missing Elements, Extent : Light, Area Affected : 2%								
Location : Around Overhead Door								
Wood Overhead Doors	9%			2036	* *	5	$8,000	
Windows								
Aluminum	100%	0-2	$81,200	2039	* *	5	$900	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Parapets								
Masonry: Brick	75%	4+	$2,100	LIFE	* *	5	$1,700	
Efflorescence, Extent : Light, Area Affected : 50%								
Location : Throughout Parapet								
Masonry: Limestone	15%	2-4	$3,800	LIFE	* *	5	$400	
Cracking/Crumbling, Extent : Light, Area Affected : 1%								
Location : Parapte Coping Along Railroad								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%								
Location : Along Union Street								
Vegetation Growth, Extent : Light, Area Affected : 25%								
Location : Along Union Street								
Pre-Cast Concrete	10%			LIFE	* *	5	$2,800	
Roof								
Modified Bitumen	100%			2036	* *	10	$8,700	
Ponding, Extent : Light, Area Affected : 5%								
Location : Roof By HVAC Unit								
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Roof								
Interior								
Floors								
Cast in Place Concrete	60%	2-4	$5,500	LIFE	* *	5	$10,800	
Horizontal Cracks, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Floor								
Ceramic Tile	5%			2040	* *	5	$400	
Quarry Tile	5%			2044	* *	5	$600	
Vinyl Tile	30%			2039	* *	3	$900	

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*** 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		
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%			2040	* *	5	$500	
Gypsum Board	15%			LIFE	* *	5-10	$3,000	
Masonry: Brick	14%			LIFE	* *	10	$500	
Plaster	45%			LIFE	* *	5-10	$4,500	
SGFT/Glazed Masonry	20%			LIFE	* *	10	$1,200	
Wood	2%			LIFE	* *	5	$1,900	
Ceilings								
AcousTileSusp.Lay-In	5%			2044	* *	5	$500	
Exposed Concrete	50%	Now	$159,100	LIFE	* *	5	$700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Exposed Reinforcement, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basemnet								
Explanation : Lally Columns In Basement Shore Up Apparatus Floor Above.								
Plaster	45%			LIFE	* *	5-10	$7,200	
Site Enclosure								
Fence/Gates								
Chain Link	100%	4+	$2,000	2051	* *			
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Along Side Walkway								
Corrosion/Rusting, Extent : Light, Area Affected : 25%								
Location : Along Side Walkway								
Retaining Walls								
Cast in Place Concrete	100%	2-4	$1,700	2066	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : Side Walkway								
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	$15,600	2044	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Cracking At Overhead Door								

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								

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FIRE DEPARTMENT - 057
ENGINE CO. 273/LADDER CO. 129
Asset # : 13159

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%			2041	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Main Service Disconnect Switch Rated At 400 Amperes.								
Switchgear / Switchboard								
Fused Disc Sw	100%			2041	* *	5		
Raceway								
Conduit	50%			2031	$16,700	1		
Conduit	50%			2041	* *	1		
Panelboards								
Fused Disc Sw	10%			2030	$4,100	5		
Molded Case Bkrs	30%			2030	$12,300	5		
Molded Case Bkrs	50%			2039	* *	5	$100	
Molded Case Bkrs	10%			2053	* *	5		
Wiring								
Thermoplastic	50%			2031	$14,800	1		
Thermoplastic	50%			2041	* *	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Lighting								
Interior Lighting								
Fluorescent	45%			2031	$7,200	10	$2,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : T-8 Lamps								
Fluorescent	5%			2026	$800	10	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : T-12 Lamps								
LED	50%			2039	* *			
Egress Lighting								
Exit, LED	100%			2066	* *	1		
Exterior Lighting								
HID	25%			2031	$5,600	10		
LED	5%			2039	* *			
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								
Energy Source								
Natural Gas	100%			2051	* *	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 273/LADDER CO. 129
Asset # : 13159

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	100%			2044	* *	1	$5,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	100%			2031	$24,400			
Terminal Devices								
Convector/Radiator	100%			2029	$29,500	1	$1,800	
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	40%			2036	* *	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 2 Units. R-410a Refrigerant								
Window/Wall Unit	20%			2026	$2,300	1		
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2-5	$1,000	
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								
Gas Fired	100%			2029	$3,400	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%	0-2	$2,000	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : Water Backs Up In Basement								
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		
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	
Other Observation, Extent : Moderate, Area Affected : 30%								
Location : Basement								
Explanation : Water Leaks Down To Basement From Access Door When It Rains. Additional Sump Pump Needed.								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2024	$300	1-3		

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$137,800	
Total	**$137,800**	
Importance Code A	$137,800	
Total	**$137,800**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$44,700			
Interior Architecture	$82,800		$800	$700
Electrical	$12,900	$500	$2,200	$500
Mechanical	$9,400	$900	$800	$800
Site Enclosure	$100			
Site Pavements	$25,100			
Total	**$175,000**	**$1,400**	**$3,800**	**$1,900**
Importance Code A	$45,300	$600	$600	$600
Importance Code B	$99,300	$700	$3,200	$1,300
Importance Code C	$30,400			$100
Total	**$175,000**	**$1,400**	**$3,800**	**$1,900**



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FIRE DEPARTMENT - 057
ENGINE CO. 274
Asset # : 13160

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	77%	Now	$82,000	LIFE	* *	5	$12,700	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : South Facade								
Efflorescence, Extent : Light, Area Affected : 5%								
Location : South Facade At Upper Roof Eave								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : South Facade								
Spalling, Extent : Moderate, Area Affected : 10%								
Location : South Facade								
Other Observation, Extent : Light, Area Affected : 1%								
Location : South Facade								
Explanation : Crack Monitoring Installed								
Masonry: Granite	3%			LIFE	* *	5	$700	
Masonry: Limestone	10%	2-4	$19,300	LIFE	* *	5	$1,200	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : East Facade								
Wood Overhead Doors	10%	Now	$55,800	2051	* *	5	$4,100	
Broken/Missing Elements, Extent : Severe, Area Affected : 25%								
Location : Overhead Door								
Dry Rot/Decay, Extent : Moderate, Area Affected : 10%								
Location : Overhead Door								
Windows								
Aluminum	100%	Now	$18,500	2056	* *	5	$200	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Second Floor								
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 25%								
Location : Throughout								
Misaligned/Bulging, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Other Observation, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Explanation : Rotted Wood Frame								
Roof								
Asphalt Shingle	100%	Now	$6,500	2040	* *			
Gut/DS Non Func/Miss, Extent : Severe, Area Affected : 10%								
Location : Upper Gutters								
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%								
Location : Hose Tower								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Second Floor								
Soffits								
Wood	100%			2036	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof Eave								
Explanation : Exposed Wood Structure At Eave								
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. 274
Asset # : 13160

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	40%			LIFE	* *	5	$16,600	
Cast in Place Concrete	15%			LIFE	* *	5	$6,200	
Ceramic Tile	5%			2040	* *	5	$500	
Quarry Tile	5%			2044	* *	5	$700	
Vinyl Tile	30%	2-4	$25,800	2041	* *	3	$1,100	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Throughout 2nd Floor								
Wood	5%			2059	* *	5	$900	
Interior Walls								
Ceramic Tile	5%			2040	* *	5	$100	
Plaster	70%	Now	$4,700	LIFE	* *	5	$500	
Cracking/Crumbling, Extent : Severe, Area Affected : 50%								
Location : Hose Tower								
Paint Peeling, Extent : Severe, Area Affected : 85%								
Location : Hose Tower								
Other Observation, Extent : Light, Area Affected : 1%								
Location : Stairwell								
Explanation : Crack Monitors Installed In Stairwell								
SGFT/Glazed Masonry	25%	4+	$500	LIFE	* *			
Broken/Missing Elements, Extent : Light, Area Affected : 1%								
Location : Apparatus Floor								
Ceilings								
AcousTileSusp.Lay-In	10%			2036	* *	5	$900	
Exposed Concrete	30%			LIFE	* *	5-10	$3,600	
Exposed Struc: Steel	20%	2-4	$21,300	LIFE	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Plaster	40%	Now	$15,900	LIFE	* *	5	$2,400	
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Second Floor, Hose Tower And Apparatus Floor								
Paint Peeling, Extent : Severe, Area Affected : 25%								
Location : Second Floor And Hose Tower								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Locker, Corridor On 2nd Floor								
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. 274
Asset # : 13160

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 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 : Light, 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	$25,100	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		
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.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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
Ground								
Grounding Devices								
Generic	100%	0-2	$10,200	LIFE	* *	5	$100	
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	* *	1	$1,900	
Generators								
Diesel	100%			2034	* *	1	$2,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : Emergency Generator Rated At 80 Kilovolt-amperes.								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$200	
Fuel Storage								
Main Tank	100%			2046	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 60 Gallons Rated Capacity								
Lighting								
Interior Lighting								
Fluorescent	80%			2031	$14,400	10	$4,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement, 1st Floor								
Explanation : T-8 Lamps								
LED	20%			2031	$11,100			
Egress Lighting								
Emergency, Service	100%			2031	$3,300	1		
Exterior Lighting								
Fluorescent	10%	Now	$2,100	2041	* *			
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Front Of The Building								
Explanation : Compact Fluorescent Lights. Not Functional								
HID	20%			2031	$5,000	10		
No Component	70%							
Alarm								
Security System								
No Component	80%							
Generic	20%			2031	$4,000	1	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front And Right Side Of The Building								
Explanation : CCTV Surveillance Cameras								

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

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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 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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	100%	0-2	$1,400	2041	* *			
Other Observation, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor								
Explanation : 2nd Floor Is Too Cold.								
Terminal Devices								
Convector/Radiator	100%			2036	* *	1	$2,000	
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Window/Wall Unit	40%	0-2	$3,100	2026	$5,200	1		
Not Energy Efficient, Extent : Moderate, Area Affected : 60%								
Location : Various Locations								
No Component	60%							
Ventilation								
Exhaust Fans								
Wall Unit	20%	0-2	$400	2041	* *	2		
Malfunctioning, Extent : Severe, Area Affected : 20%								
Location : The Unit Is Inoperable, Apparatus Floor								
No Component	80%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : 1st And 2nd Floors								
Explanation : No Exhaust Fan For Kitchen And Girls Bathroom								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2026	$3,800	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	20%	Now	$3,600	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Floor								
Other Observation, Extent : Severe, Area Affected : 40%								
Location : Basement								
Explanation : Water Flooding In Front Side Of Basement Due To No Drainage								
Cast Iron	80%			LIFE	* *	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. 274

Asset # : 13160

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								
Sump Pump(s)								
Non-Submersible	100%			2031	$900	4	$200	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$49,300	$123,400
Electrical		$4,100
Total	**$49,300**	**$127,500**
Importance Code A	$49,300	$123,400
Importance Code B		$4,100
Total	**$49,300**	**$127,500**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$31,700	$200	$2,200	
Interior Architecture	$42,400		$1,800	$100
Electrical	$700	$700	$500	$400
Mechanical	$800	$700	$11,100	$600
Site Pavements	$4,200			
Total	**$79,800**	**$1,700**	**$15,500**	**$1,100**
Importance Code A	$32,000	$500	$2,500	$300
Importance Code B	$29,300	$1,100	$12,700	$800
Importance Code C	$18,400		$300	
Total	**$79,800**	**$1,700**	**$15,500**	**$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. 275/LADDER CO. 133
Asset # : 13161

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	95%	4+	$26,400	LIFE	* *	5	$16,400	
Corrosion/Rusting, Extent : Moderate, Area Affected : 50%								
Location : Multiple Relieving Angles								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 50%								
Location : Missing Mortar At Relieving Angles At Several Locations								
Wood Overhead Doors	5%			2044	* *	5	$4,300	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Front Facade								
Windows								
Aluminum	100%			2053	* *	5	$400	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Parapets								
Masonry: Brick	90%	0-2	$5,300	LIFE	* *	5	$1,700	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Hose Tower Structure								
Metal Panel	10%			2051	* *	5	$700	
Roof								
Built-Up (BUR)	100%	Now	$49,300	2031	$123,400			1
Alligatoring, Extent : Severe, Area Affected : 65%								
Location : Throughout								
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%								
Location : Base Flashing At Stair/ Hose Tower								
Ponding, Extent : Severe, Area Affected : 25%								
Location : Various Locations And Bulkhead Roof								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : At Hose Tower Roof								
Interior								
Floors								
Cast in Place Concrete	30%	Now	$12,100	LIFE	* *	5	$6,000	
Spalling, Extent : Severe, Area Affected : 50%								
Location : Main Apparatus Floor								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Ceramic Tile	15%			2034	* *	5	$1,400	
Granite Panels	15%			LIFE	* *	5	$2,000	
Vinyl Tile	30%			2036	* *	3	$1,000	
Vinyl Tile	10%	Now	$800	2031	$8,200	3	$300	
Broken/Missing Elements, Extent : Severe, Area Affected : 20%								
Location : 2nd Floor Bunker Room, Lockers, Weight Room								

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Estimates are rounded to the nearest hundred dollars.
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FIRE DEPARTMENT - 057
ENGINE CO. 275/LADDER CO. 133
Asset # : 13161

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	10%	4+	$7,800	LIFE	* *			
Paint Peeling, Extent : Moderate, Area Affected : 30%								
Location : Cellar								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Multiple Locations In The Cellar								
Ceramic Tile	10%			2034	* *	5	$600	
Concrete Masonry Unit	5%			LIFE	* *	5	$200	
Gypsum Board	10%			LIFE	* *	5-10	$1,000	
Plaster	40%	Now	$4,000	LIFE	* *	5	$700	
Diagonal Cracks, Extent : Moderate, Area Affected : 20%								
Location : Various Locations On The 2nd Floor And Stair Tower, Basement Stair								
Spalling, Extent : Severe, Area Affected : 20%								
Location : Hose/ Stair Tower And Basement Stairs								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Hose/ Stair Tower And Basement								
SGFT/Glazed Masonry	20%			LIFE	* *	10	$600	
Wood	5%			LIFE	* *	5	$2,300	
Ceilings								
AcousTileSusp.Lay-In	10%			2044	* *	5	$900	
Exposed Concrete	10%	Now	$6,200	LIFE	* *	5	$100	
Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
Location : Stair Tower								
Exposed Reinforcement, Extent : Severe, Area Affected : 20%								
Location : Stair Tower, Basement Boiler Room								
Plaster	80%			LIFE	* *	5-10	$12,500	
Site Enclosure								
Fence/Gates								
Aluminum Rail	5%			2036	* *	5-10		
Other Observation, Extent : Light, Area Affected : 5%								
Location : On Roof								
Explanation : Aluminum Guard Railing								
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+	$4,200	2044	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Parking Area								

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FIRE DEPARTMENT - 057
ENGINE CO. 275/LADDER CO. 133
Asset # : 13161

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		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room Basement								
Explanation : One 200 Ampere Main Disconnect Switch								
Raceway								
Conduit	50%			2031	$16,700	1		
Conduit	50%			2051	* *	1		
Panelboards								
Fused Disc Sw	5%			2047	* *	5		
Molded Case Bkrs	10%			2030	$4,100	5		
Molded Case Bkrs	85%			2047	* *	5	$100	
Wiring								
Braided Cloth	30%			2030	$8,900	1		
Thermoplastic	70%			2051	* *	1		
Motor Controllers								
Locally Mounted	100%			2044	* *	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2048	* *	1	$1,900	
Generators								
Diesel	100%			2044	* *	1	$2,400	
Batteries								
Lead/Acid	100%			2026	$1,600	5	$200	
Fuel Storage								
Day Tank	50%			2053	* *	5	$600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room Outside								
Explanation : One 127 Gallons								
Main Tank	50%			2034	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 550 Gallons								
Lighting								
Interior Lighting								
Fluorescent	50%			2036	* *	10	$2,900	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement And First Floor								
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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Exterior Lighting								
HID	10%			2039	* *	10		
HID	20%			2031	$5,100	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								
Energy Source								
Electricity	5%			2051	* *	1		
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		
Conversion Equipment								
Hot Water Boiler	100%			2036	* *	1	$3,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Unit								
Distribution								
Hot Wtr Piping/Pump	100%			2039	* *	4	$500	
Terminal Devices								
Convector/Radiator	80%			2036	* *	1	$1,600	
Unit Heater - Hot Water	20%			2036	* *			
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Split Unit	20%			2031	$26,900			
Window/Wall Unit	80%			2024	$10,500	1		
Ventilation								
Exhaust Fans								
Interior	20%			2031	$4,500	2		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Apparatus Room								
Explanation : Blower Fan								
Roof	80%			2031	$8,400	2	$200	
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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*** 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

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								
Gas Fired	100%			2029	$3,800	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 50 Gallons. Nameplate Incorrectly Reads 75 Gallons.								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Other Observation, Extent : Moderate, Area Affected : 40%								
Location : First Floor								
Explanation : Occassional Flooding And Sewage Backup At First Floor Due To Ground Water Infiltration								
Sump Pump(s)								
Submersible	100%			2022	$200	4	$200	
Other Observation, Extent : Light, Area Affected : 20%								
Location : Basement								
Explanation : Simplex Pump								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	10%			2030	$2,800	1-3	$400	
No Component	90%							

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Interior Architecture	$76,600	$88,300
Electrical		$89,800
Mechanical		$70,700
Total	**$76,600**	**$248,900**
Importance Code B	$76,600	$248,900
Total	**$76,600**	**$248,900**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$32,800		$1,000	
Interior Architecture	$72,900			$1,200
Electrical	$5,000	$1,000	$3,000	$1,100
Mechanical	$19,800	$2,000	$2,000	$2,000
Site Pavements	$1,600			
Total	**$132,000**	**$2,900**	**$6,000**	**$4,300**
Importance Code A	$34,100	$1,300	$2,300	$1,300
Importance Code B	$72,100	$1,700	$3,700	$3,000
Importance Code C	$25,800			
Total	**$132,000**	**$2,900**	**$6,000**	**$4,300**



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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. 276
Asset # : 13162

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	77%	4+	$13,300	LIFE	* *	5	$8,200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Street Facade At Door								
Masonry: Granite	3%	4+	$4,000	LIFE	* *	5	$200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Masonry: Limestone	3%	4+	$1,900	LIFE	* *	5	$200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Metal Sect. OHD	10%	4+	$1,800	2044	* *	5	$1,700	
Deformed/Dented, Extent : Light, Area Affected : 5%								
Location : Bottom Panel Over Head Door								
Wood	7%			2036	* *	5	$3,700	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Front Facade								
Explanation : Covered With Sheet Metal								
Windows								
Aluminum	100%			2047	* *	5	$2,000	
Parapets								
Masonry: Brick	60%			LIFE	* *	5-10	$6,600	
Masonry: Limestone	30%			LIFE	* *	5-10	$5,900	
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	$4,800	LIFE	* *	5	$18,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Ceramic Tile	3%	2-4	$600	2040	* *	5	$300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Kitchen And Bathrooms								
Mosaic Tile	3%			2036	* *	5	$1,500	
Vinyl Tile	50%	0-2	$26,500	2031	$88,300	3	$3,600	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : 2nd And 3rd Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : Throughout								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific cost escalations are not included.
*** 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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Interior Walls								
Ceramic Tile	40%	Now	$8,800	2034	* *	5	$3,000	
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%								
Location : Bathrooms								
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : Throughout								
Concrete Masonry Unit	5%	0-2	$1,800	LIFE	* *	5	$300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Masonry: Brick	10%	0-2	$12,400	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Plaster	45%	Now	$2,900	LIFE	* *	5	$2,000	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : 2nd And 3rd Floors And Roof Hatch								
Ceilings								
Ceramic Tile	35%	2-4	$7,100	LIFE	* *	5	$4,300	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Apparatus Floor Ceiling								
Exposed Struc: Steel	35%	Now	$76,600	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Basement Bilco Doors								
Plaster	30%	Now	$8,200	LIFE	* *	5	$3,600	
Broken/Missing Elements, Extent : Severe, Area Affected : 2%								
Location : 2nd Floor Bunk Room								
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : 3rd Floor								
Paint Peeling, Extent : Light, Area Affected : 10%								
Location : 2nd And 3rd Floor								
Other Observation, Extent : Moderate, Area Affected : 2%								
Location : 2nd Floor Bunk Room								
Explanation : Exposed Structural Steel								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	0-2	$1,600	2036	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Front Sidewalk								
Parking/Driveway								
Cast in Place Concrete	100%			2036	* *			

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

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

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								
Molded Case Bkrs	100%			2031	$5,200	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Main Service Disconnect Switch Rated At 350 Amperes.								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	$52,200	5	$300	
Raceway								
Conduit	80%			2031	$26,800	1		
Conduit	10%			2041	* *	1		
Under Construction	10%							
Panelboards								
Fused Disc Sw	10%			2030	$4,100	5		
Molded Case Bkrs	70%			2030	$28,800	5	$200	
Molded Case Bkrs	10%			2039	* *	5		
Under Construction	10%							
Wiring								
Thermoplastic	80%			2031	$23,700	1		
Thermoplastic	10%			2041	* *	1		
Under Construction	10%							
Motor Controllers								
Locally Mounted	100%			2029	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$400	
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	* *	1	$4,000	
Generators								
Diesel	100%			2034	* *	1	$5,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Emergency Generator Rated At 80 Kilovolt-Amperes.								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$500	
Fuel Storage								
Day Tank	30%			2039	* *	5	$700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 75 Gallons Rated Capacity								
Main Tank	70%			2046	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 275 Gallons Rated Capacity								
Lighting								

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FIRE DEPARTMENT - 057
ENGINE CO. 276
Asset # : 13162

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	30%			2026	$11,300	10	$3,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Explanation : T-12 Lamps								
Fluorescent	70%			2031	$26,400	10	$8,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement, 1st Floor, 3rd Floor								
Explanation : T-8 Lamps								
Egress Lighting								
Emergency, Service	100%			2031	$6,800	1		
Exterior Lighting								
LED	10%			2039	* *			
No Component	90%							
Alarm								
Security System								
No Component	90%							
Generic	10%			2026	$4,200	1	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front Of The Building								
Explanation : CCTV Surveillance Cameras								

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%			2051	* *	1		
Conversion Equipment								
Steam Boiler	100%			2036	* *	1	$12,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Boiler								
Distribution								
Steam Piping/Pump	100%			2041	* *			
Terminal Devices								
Convector/Radiator	75%			2029	$52,200	1	$3,200	
Unit Heater - Steam	25%			2026	$11,600	4	$400	
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		
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	$27,700			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 1 Unit. R-410a								
Window/Wall Unit	40%			2026	$10,800	1		
Other Observation, Extent : Light, Area Affected : 1%								
Location : Roof								
Explanation : There Are 4 Air Conditioning Units Sitting On Roof But Electrical Power Never Been Connected.								
Window/Wall Unit	25%	0-2	$6,800	2031	$6,800	1		
Obsolete Equipment, Extent : Moderate, Area Affected : 100%								
Location : Various Locations								
No Component	25%							
Distribution								
No Component	50%							
Under Construction	50%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2031	$18,500	1	$400	
Fan Coil - 2 Pipe	40%			2041	* *	1	$1,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd And 3rd Floors								
Explanation : New Installation								
No Component	50%							
Heat Rejection								
Evaporative Condenser	10%			2031	$3,000	2	$900	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%	Now	$600	LIFE	* *	2-5	$700	
Other Observation, Extent : Severe, Area Affected : 5%								
Location : Kitchen Roof								
Explanation : The Generator Exhaust Duct Needs To Be Extended To Outside Of The Roof								
No Component	90%							
Exhaust Fans								
Roof	10%			2036	* *	2		
Roof	25%	0-2	$300	2026	$5,400	2	$100	
Not in Service, Extent : Moderate, Area Affected : 10%								
Location : Roof								
Wall Unit	25%			2026	$1,200	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								
Gas Fired	100%			2026	$7,900	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units, 74 Gallons Each								
Sanitary Piping								
Cast Iron	100%	Now	$9,500	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 15%								
Location : Badly Between Apparatus Floor And Dining Room, 3rd Floor Shower Tub, Apparatus Floor.								
Corroded, Extent : Severe, Area Affected : 10%								
Location : And Leaking, Basement								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$400	4	$400	
Fixtures								
Generic	100%							
Obsolete Fixtures, Extent : Severe, Area Affected : 20%								
Location : 2nd Floor Bathroom								

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **17-Nov-2016**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2,3**		
Block	: **3343** **Lot** : **29**	**BIN**	: **3076461**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$302,500	$156,700
Interior Architecture	$83,000	
Total	**$385,500**	**$156,700**
Importance Code A	$302,500	$156,700
Importance Code B	$83,000	
Total	**$385,500**	**$156,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$22,300	$2,400		
Interior Architecture	$18,000		$900	$6,500
Electrical	$4,500	$17,100	$3,100	$2,600
Mechanical	$33,700	$2,500	$3,800	$2,100
Total	**$78,400**	**$22,000**	**$7,800**	**$11,200**
Importance Code A	$23,100	$3,200	$800	$800
Importance Code B	$54,500	$18,800	$7,000	$10,400
Importance Code C	$800			
Total	**$78,400**	**$22,000**	**$7,800**	**$11,200**



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FIRE DEPARTMENT - 057
ENGINE CO. 277/LADDER CO. 112
Asset # : 13163

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	3%			LIFE	* *	5	$9,600	
Glass Block	2%			LIFE	* *	5	$800	
Metal/Glass Curt Wall	18%	Now	$196,100	LIFE	* *	5	$21,700	
Glazing Clouded, Extent : Light, Area Affected : 30%								
Location : Unable To Clean Exterior Face Glass - Areas Inaccessible								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Bunk Room								
Other Observation, Extent : Severe, Area Affected : 15%								
Location : Street Facade (North Side) - Above Public Sidewalk								
Explanation : Purported Hazard - Condensate Ices On Metal Screens, Freezes And Free Falls To Public Sidewalk Below								
Pre-Cast Concrete	75%	0-2	$106,400	LIFE	* *	5	$156,700	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 15%								
Location : Perimeter Walls At Grade (Tiled Walls)								
Window Wall	2%			2048	* *	5	$4,800	
Windows								
Aluminum	100%	Now	$4,400	2044	* *	5	$500	
Unit Inoperable, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor Rear Windows Installed Upside Down - Rendering Units To Function Improperly								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Water Seeping Under Sill Pan - 2nd Floor Bunk Room								
Parapets								
Pre-Cast Concrete	90%			LIFE	* *	5	$21,600	
Weathering Steel	10%			LIFE	* *	1		
Roof								
Cast in Place Concrete	5%	Now	$200	LIFE	* *			
Other Observation, Extent : Severe, Area Affected : 10%								
Location : Rear Courtyard								
Explanation : Moisture And Ponding At Ventilation Grille Adjacent To Retention Tanks Creating Insect Breeding Grounds								
Modified Bitumen	95%	0-2	$17,600	2033	* *			
Blisters, Extent : Moderate, Area Affected : 10%								
Location : Upper And Lower Roofs								
Debris Present, Extent : Moderate, Area Affected : 20%								
Location : Main Roof								
Reflective Surface, Extent : Light, Area Affected : 100%								
Location : Throughout								
Seams Open/Split, Extent : Moderate, Area Affected : 10%								
Location : Upper And Lower Roofs								
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 277/LADDER CO. 112
Asset # : 13163

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	55%	Now	$14,400	LIFE	* *	5	$28,400	
Water Penetration, Extent : Severe, Area Affected : 15%								
Location : Apparatus Floor - At Edges Of Slab And Floor Drains Into Basement								
Worn/Eroded, Extent : Moderate, Area Affected : 15%								
Location : At Entry To Kitchen (Floor Drain), Basement Pump Room And Corridor								
Ceramic Tile	3%	Now	$700	2037	* *	5	$400	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : 1st And 2nd Floor Bathrooms								
Quarry Tile	2%	4+	$700	2041	* *	5	$400	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
Location : Kitchen Area								
Vinyl Tile	30%			2033	* *	3	$2,700	
Wood	10%	Now	$83,000	2068	* *	5	$2,200	
Dry Rot/Decay, Extent : Severe, Area Affected : 15%								
Location : 2nd Floor Bunk Room								
Uneven Surface, Extent : Moderate, Area Affected : 35%								
Location : Throughout								
Interior Walls								
Cast in Place Concrete	25%			LIFE	* *			
Ceramic Tile	5%			2037	* *	5	$1,700	
Concrete Masonry Unit	20%			LIFE	* *	5	$2,700	
Gypsum Board	50%			LIFE	* *	5	$10,200	
Ceilings								
AcousTileSusp.Lay-In	55%			2045	* *	5	$13,000	
Exposed Struc: Steel	35%			LIFE	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Component Actually Concrete Metal Decking								
Gypsum Board	10%	Now	$1,300	LIFE	* *	5	$2,900	
Water Penetration, Extent : Light, Area Affected : 5%								
Location : First Floor Near Kitchen								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2041	* *			

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								

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FIRE DEPARTMENT - 057
ENGINE CO. 277/LADDER CO. 112
Asset # : 13163

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	70%			2048	* *	5		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Electrical Room Basement								
Explanation : One 800 Amperes Main Disconnect Switch For The Entire Building.								
Fused Disc Sw	30%			2048	* *	5		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Electrical Room Basement								
Explanation : One 400 Amperes Main Disconnect Switch For The HVAC								
Switchgear / Switchboard								
Fused Disc Sw	100%			2048	* *	5	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Electrical Room Basement								
Explanation : Six 100 Apms Each Mdp								
Raceway								
Conduit	100%			2048	* *	1		
Panelboards								
Fused Disc Sw	5%			2044	* *	5		
Molded Case Bkrs	95%			2044	* *	5	$400	
Wiring								
Thermoplastic	100%			2048	* *	1		
Motor Controllers								
Locally Mounted	100%			2041	* *	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2041	* *	1	$4,900	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Electrical Room Basement								
Explanation : Three Automatic Transfer Switches								
Generators								
Diesel	100%			2037	* *	1	$6,100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Generator Room Basement								
Explanation : One 80 Kilowatts								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$600	
Fuel Storage								
Main Tank	100%			2056	* *	5	$500	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Generator Room								
Explanation : One 275 Gallons								
Lighting								

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FIRE DEPARTMENT - 057
ENGINE CO. 277/LADDER CO. 112
Asset # : 13163

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	100%			2033	* *	10	$14,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Egress Lighting								
Emergency, Service	60%			2033	* *	1		
Exit, Service	40%			2033	* *	1		
Exterior Lighting								
HID	70%			2033	* *	10		
Incandescent	30%			2033	* *	2		
Alarm								
Security System								
Generic	100%			2036	* *	1	$5,900	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Outside Only								
Explanation : Three CCTV Surveillance Camera								
Fire/Smoke Detection								
Generic, Digital	100%			2033	* *	1-3	$9,700	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Explanation : Pull Box, Strobe Lights, Bell, Horn, Smoke Detector And Fire Panelboard.								

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%			2048	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2041	* *	1	$7,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Boiler Room								
Explanation : 2 Units								
Distribution								
Hot Wtr Piping/Pump	100%			2044	* *	4	$800	
Other Observation, Extent : Moderate, Area Affected : 75%								
Location : Throughout								
Explanation : There Is No Temperature Control, Except Apparatus Floor.								
Terminal Devices								
Air Handler	30%			2033	* *	1	$2,900	
Convector/Radiator	40%			2041	* *	1	$2,000	
Fan Coil Unit/Heat	30%			2033	* *	1	$1,500	
Air Conditioning								
Energy Source								
Electricity	100%			2044	* *	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 277/LADDER CO. 112
Asset # : 13163

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								
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	55%	0-2	$10,800	2033	* *	2	$400	
R-22 Refrigerant, Extent : Light, Area Affected : 55%								
Location : Roof								
Other Observation, Extent : Light, Area Affected : 80%								
Location : Roof								
Explanation : 4 Units. Inefficient Units.								
Split Unit	10%			2033	* *			
Other Observation, Extent : Light, Area Affected : 10%								
Location : House Watch And 2nd Floor								
Explanation : 2 Units. R-410a								
Window/Wall Unit	10%			2026	$3,300	1		
No Component	25%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2033	* *	1	$500	
No Component	90%							
Heat Rejection								
Evaporative Condenser	10%			2033	* *	2	$1,100	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%	Now	$7,300	LIFE	* *	2-5	$8,800	
Corroded, Extent : Severe, Area Affected : 5%								
Location : Boiler Room. Due To Water Leaks From Apparatus Floor.								
Exhaust Fans								
Roof	100%	Now	$1,300	2033	* *	2	$400	
Not Energy Efficient, Extent : Severe, Area Affected : 10%								
Location : Kitchen Exhaust System								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2048	* *	1		
Water Heater								
Gas Fired	100%			2026	$9,600	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Boiler Room								
Explanation : 2 Units								
Sanitary Piping								
Cast Iron	100%	Now	$11,500	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 5%								
Location : 2nd Floor Male Restroom And Basement Water Meter Room.								
Leak Evident, Extent : Severe, Area Affected : 5%								
Location : Leaking From 1st Floor To Basement Boiler Room								
Other Observation, Extent : Severe, Area Affected : 10%								
Location : Basement								
Explanation : Water Drain System Defected Causes Water Backing Up In Basement Frequently.								

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FIRE DEPARTMENT - 057
ENGINE CO. 277/LADDER CO. 112
Asset # : 13163

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								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%	Now	$700	2033	* *	4	$300	
Corroded, Extent : Moderate, Area Affected : 20%								
Location : Housing Of The Sump Pump, Basement Boiler Room								
Malfunctioning, Extent : Severe, Area Affected : 50%								
Location : Boiler Room								
Backflow Preventer								
Generic	100%			2033	* *	1	$1,000	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	80%							
Generic	20%			2048	* *	1-2	$900	
Chemical System								
Generic	100%			2026	$27,900	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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **28-Apr-2016**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Roof, Floors 1,2,3**		
Block	: **486** **Lot** : **18**	**BIN**	: **3008207**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Interior Architecture	$69,400	
Electrical		$85,100
Mechanical	$68,300	$178,500
Total	**$137,600**	**$263,600**
Importance Code A	$68,300	
Importance Code B		$263,600
Importance Code C	$69,400	
Total	**$137,600**	**$263,600**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$7,100	$300		$10,000
Interior Architecture	$53,800	$1,200		$1,000
Electrical	$20,900			
Mechanical	$46,600	$2,000	$2,100	$2,100
Total	**$128,500**	**$3,500**	**$2,100**	**$13,100**
Importance Code A	$8,300	$1,400	$1,000	$11,100
Importance Code B	$110,500	$2,200	$1,100	$2,000
Importance Code C	$9,800			
Total	**$128,500**	**$3,500**	**$2,100**	**$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
ENGINE CO. 279/LADDER CO. 131
Asset # : 13165

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%			LIFE	* *	5	$22,500	
Masonry: Granite	5%			LIFE	* *	5	$1,200	
Masonry: Limestone	10%			LIFE	* *	5	$2,400	
Stucco Cement	5%			2040	* *	5	$4,000	
Wood Overhead Doors	10%			2040	* *	5	$16,100	
Windows								
Aluminum	100%			2043	* *	5	$700	
Parapets								
Cast Stone/Terra Cotta	30%			LIFE	* *	5	$2,700	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : All Coping Stones								
Masonry: Brick	70%			LIFE	* *	5	$800	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : All Parapet Walls								
Roof								
Modified Bitumen	100%	0-2	$7,100	2032	* *			
Blisters, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	* *	5	$10,400	
Ceramic Tile	5%			2036	* *	5	$800	
Quarry Tile	5%			2040	* *	5	$1,200	
Vinyl Tile	60%			2032	* *	3	$3,600	
Interior Walls								
Ceramic Tile	5%			2036	* *	5	$500	
Masonry: Brick	40%	Now	$69,400	LIFE	* *			
Spalling, Extent : Severe, Area Affected : 40%								
Location : Basement								
Vertical Cracks, Extent : Severe, Area Affected : 5%								
Location : Bearing Wall At Rear Beam								
Plaster	55%	Now	$9,800	LIFE	* *	5	$1,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : 3rd Floor								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : 3rd Floor								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance $ are aggregated over a ten-year period. Site specific 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		
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%			2040	* *	5	$800	
Exposed Concrete	20%	Now	$10,800	LIFE	* *	5	$500	
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Rear Wall Beam								
Exposed Reinforcement, Extent : Severe, Area Affected : 20%								
Location : Rear Wall Beam								
Plaster	75%	Now	$33,200	LIFE	* *	5	$7,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : 3rd Floor								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : 3rd Floor								

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	50%			2037	* *	5		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : Main Service Disconnect Switch Rated At 200 Amperes								
Molded Case Bkrs	50%			2027	$2,600	5	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : Main Service Disconnect Switch Rated At 250 Amperes								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2027	$52,200	5	$300	
Raceway								
Conduit	80%			2027	$26,800	1		
Conduit	20%			2037	* *	1		
Panelboards								
Molded Case Bkrs	80%			2026	$32,900	5	$200	
Molded Case Bkrs	20%			2035	* *	5	$100	
Wiring								
Thermoplastic	20%			2037	* *	1		
Thermoplastic	80%			2027	$23,700	1		
Ground								
Grounding Devices								
Generic	100%	0-2	$10,200	LIFE	* *	5	$200	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement Near Water Service								
Explanation : Main Electric Service Ground, 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.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Interior Lighting								
Fluorescent	95%			2027	$29,000	10	$9,200	
T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Fluorescent	5%			2022	$1,500	10	$500	
T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor And Hallways								
Egress Lighting								
Exit, Service	100%			2027	$1,300	1		
Exterior Lighting								
HID	20%			2022	$8,500	10		
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%			2037	* *	1		
Conversion Equipment								
Steam Boiler	100%			2025	$68,300	1	$10,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 4 Units Piped Together								
Distribution								
Central Plant Steam Piping/Pmp	100%			2027	$178,500	4	$800	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 2nd Floor								
Explanation : There Is Only 1 Thermostat In The Building								
Terminal Devices								
Convector/Radiator	80%			2032	* *	1	$2,700	
Unit Heater - Steam	20%			2022	$7,500	4	$300	
Other Observation, Extent : Light, Area Affected : 20%								
Location : Engine Bays								
Explanation : Unit Heaters Serve Truck Bays								
Air Conditioning								
Energy Source								
Electricity	100%			2035	* *	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. 279/LADDER CO. 131
Asset # : 13165

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								
Conversion Equipment								
Exterior Pkg Unit - Cooling	40%			2035	* *	2	$300	
Other Observation, Extent : Light, Area Affected : 40% Location : Roof Explanation : 1 Unit. Uses R410 A								
Window/Wall Unit	10%			2022	$2,200	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	50%			LIFE	* *	2-5	$2,900	
No Component	50%							
Exhaust Fans								
Roof	50%			2035	* *	2	$200	
Wall Unit	15%			2027	$600	2	$100	
No Component	35%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2037	* *	1		
No Water Meter, Extent : Light, Area Affected : 100% Location : Basement								
Water Heater								
Gas Fired	100%			2022	$6,400	2	$200	
Other Observation, Extent : Light, Area Affected : 100% Location : Basement Explanation : 1 Unit 75 Gallons								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$400	4	$300	
Backflow Preventer								
Generic	100%			2032	* *	1	$700	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2022	$27,900	1-3	$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.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **26-Jun-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **385** **Lot** : **58**	**BIN**	: **1004608**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$183,000	$135,000
Interior Architecture	$55,700	
Electrical		$40,800
Total	**$238,700**	**$175,800**
Importance Code A	$183,000	$135,000
Importance Code B	$55,700	$40,800
Total	**$238,700**	**$175,800**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$30,300		$9,600	
Interior Architecture	$58,000		$800	$400
Electrical	$5,200	$100	$31,200	
Mechanical	$7,300	$600	$600	$800
Site Pavements	$600			
Total	**$101,500**	**$600**	**$42,200**	**$1,200**
Importance Code A	$35,800	$300	$9,900	$300
Importance Code B	$56,500	$300	$32,000	$800
Importance Code C	$9,200		$400	
Total	**$101,500**	**$600**	**$42,200**	**$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
ENGINE CO. 28/ LADDER CO. 11
Asset # : 13020

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	90%	Now	$183,000	LIFE	* *	5	$18,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Wood Overhead Doors	10%			2034	* *	5	$10,500	
Windows								
Aluminum	100%	Now	$28,200	2045	* *	5	$1,100	
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : Throughout								
Parapets								
Metal Panel	90%			2049	* *	5	$8,600	
Metal Rail	10%	Now	$2,100	2042	* *	5	$1,800	
Broken/Missing Elements, Extent : Severe, Area Affected : 15%								
Location : Main Entrance Facade								
Deformed/Dented, Extent : Severe, Area Affected : 25%								
Location : Main Entrance Facade								
Roof								
Modified Bitumen	100%			2029	$135,000	10	$9,300	
Interior								
Floors								
Cast in Place Concrete	65%	2-4	$21,300	LIFE	* *	5	$14,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 50%								
Location : Basement								
Ceramic Tile	4%			2042	* *	5	$400	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout 2010								
Ceramic Tile	1%	Now	$600	2032	* *	5		
Cracking/Crumbling, Extent : Severe, Area Affected : 40%								
Location : Throughout								
Vinyl Tile	10%			2037	* *	3	$500	
Vinyl Tile 9" X 9"	20%	2-4	$23,100	2039	* *	3	$700	
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Throughout								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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%			LIFE	* *			
Ceramic Tile	5%			2044	* *	5	$700	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout 2010								
Gypsum Board	5%			LIFE	* *	5	$400	
Plaster	35%	Now	$8,500	LIFE	* *	5	$1,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location :								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Basement, Staircase And Hose Tower								
SGFT/Glazed Masonry	25%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	10%			2034	* *	5	$1,000	
Exposed Concrete	55%	0-2	$55,700	LIFE	* *	5	$800	
Worn/Eroded, Extent : Severe, Area Affected : 20%								
Location : Basement								
Gypsum Board	5%			LIFE	* *	5	$600	
Plaster	30%	0-2	$4,100	LIFE	* *	5	$1,800	
Loose/Delam Surface, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2039	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%	2-4	$600	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 25%								
Location : Throughout								
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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%	0-2	$5,200	2059	* *	5		
Obsolete Equipment, Extent : Severe, Area Affected : 100%								
Location : Basement								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 400 Ampere Service								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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								
Raceway								
Conduit	100%			2029	$33,500	1		
Panelboards								
Molded Case Bkrs	99%			2028	$40,800	5	$200	
Molded Case Bkrs	1%			2045	* *	5		
Wiring								
Braided Cloth	90%			2028	$26,700	1		
Thermoplastic	10%			2039	* *	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
Fluorescent	80%			2034	* *	10	$4,800	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 80%								
Location : Second Floor And Basement								
Incandescent	1%			2034	* *	2		
Other Observation, Extent : Light, Area Affected : 1%								
Location : Lounge								
Explanation : Halogen Fixtures								
LED	19%			2034	* *			
Other Observation, Extent : Light, Area Affected : 19%								
Location : First Floor								
Explanation : LED Fixtures								
Exterior Lighting								
HID	100%			2024	$26,300	10		

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%			2049	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2042	* *	1	$3,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	100%			2045	* *	4	$300	
Terminal Devices								
Convector/Radiator	100%			2027	$35,000	1	$2,100	
Air Conditioning								
Energy Source								
Electricity	100%			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
ENGINE CO. 28/ LADDER CO. 11
Asset # : 13020

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								
Conversion Equipment								
Window/Wall Unit	50%	0-2	$6,800	2029	$6,800	1		
Other Observation, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Explanation : On Extended Life And Worn Out								
No Component	50%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Basement								
Explanation : Gymnasium Has No Air Conditioning								
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2-5	$700	
No Component	80%							
Exhaust Fans								
Roof	20%			2034	* *	2		
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2027	$4,000	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75-gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%			2029	$1,000	4	$100	
Fixtures								
Generic	100%							
Fire Suppression								
Fire Pump								
No Component	98%							
Generic	2%			2032	* *	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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **21-Mar-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2,3**		
Block	: **1174** **Lot** : **51**	**BIN**	: **3029451**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$49,000	
Interior Architecture	$124,600	
Total	**$173,600**	
Importance Code A	$49,000	
Importance Code B	$124,600	
Total	**$173,600**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$19,900		$2,900	
Interior Architecture	$42,700	$300	$300	$500
Electrical	$10,600	$400	$2,300	$500
Mechanical	$34,600	$1,000	$12,600	$1,400
Site Pavements	$2,400			
Total	**$110,300**	**$1,700**	**$18,000**	**$2,300**
Importance Code A	$20,400	$600	$3,500	$600
Importance Code B	$88,600	$1,100	$14,500	$1,800
Importance Code C	$1,200			
Total	**$110,300**	**$1,700**	**$18,000**	**$2,300**



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FIRE DEPARTMENT - 057
ENGINE CO. 280/LADDER CO. 132
Asset # : 13166

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								
Concrete Masonry Unit	5%			LIFE	* *	5	$600	
Masonry: Brick	75%	Now	$49,000	LIFE	* *	5	$15,200	
Painted Surfaces, Extent : Moderate, Area Affected : 25%								
Location : East Facade								
Spalling, Extent : Moderate, Area Affected : 15%								
Location : East Facade								
Masonry: Granite	2%			LIFE	* *	5	$300	
Masonry: Limestone	10%			LIFE	* *	5	$1,500	
Metal Sect. OHD	8%			2034	* *	5	$5,100	
Windows								
Aluminum	100%			2051	* *	5	$500	
Parapets								
Masonry: Brick	80%			LIFE	* *	5	$600	
Metal: Cage/Fence	10%			2034	* *	5-10	$600	
Pre-Cast Concrete	10%			LIFE	* *	5	$500	
Roof								
Modified Bitumen	100%	Now	$19,900	2034	* *			
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 15%								
Location : East Side								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Engine Office, Exercise Room, Locker Room, At Window Heads								
Interior								
Floors								
Cast in Place Concrete	25%	4+	$2,800	LIFE	* *	5	$5,600	
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : Cellar								
Cast in Place Concrete	25%	Now	$28,300	LIFE	* *	5	$5,600	
Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
Location : 1st Floor Truck Area								
Horizontal Cracks, Extent : Severe, Area Affected : 30%								
Location : 1st Floor								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : 1st Floor								
Explanation : 1st Floor Has Structural Cracks And Is Being Supported By Several Adjustable Jack Post								
Ceramic Tile	5%			2038	* *	5	$500	
Quarry Tile	5%			2042	* *	5	$800	
Vinyl Tile	40%	Now	$37,000	2039	* *	3	$1,500	
Adhesion Failure, Extent : Moderate, Area Affected : 25%								
Location : Second Floor								
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Second Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : Second Floor								

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FIRE DEPARTMENT - 057
ENGINE CO. 280/LADDER CO. 132
Asset # : 13166

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								
Masonry: Brick	45%			LIFE	* *			
Plaster	50%	Now	$1,200	LIFE	* *	5	$400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Dormitory, Laundry, And At Window Heads								
Paint Peeling, Extent : Severe, Area Affected : 20%								
Location : 2nd Floor Officer, Bathroom								
Wood	5%			LIFE	* *	5	$600	
Ceilings								
AcousTileSusp.Lay-In	5%			2034	* *	5	$500	
Water Penetration, Extent : Light, Area Affected : 10%								
Location : Engine Office								
Exposed Concrete	25%	Now	$87,600	LIFE	* *	5	$400	
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 : 1st Floor/ Basement Ceiling Is Failing - Large Structural Cracks. Ceiling Is Now Being Supported By Temp Jack Post								
Plaster	70%	Now	$10,000	LIFE	* *	5	$4,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	$2,400	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : St. Johns Place								

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								
Molded Case Bkrs	100%			2049	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Main Service Switch Rated At 600 Amperes.								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2049	* *	5	$200	
Raceway								
Conduit	50%			2039	* *	1		
Conduit	50%			2049	* *	1		
Panelboards								
Molded Case Bkrs	100%			2045	* *	5	$200	

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FIRE DEPARTMENT - 057
ENGINE CO. 280/LADDER CO. 132
Asset # : 13166

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								
Wiring								
Thermoplastic	100%			2049	* *	1		
Motor Controllers								
Locally Mounted	100%			2042	* *	5		
Ground								
Grounding Devices								
Generic	100%	2-4	$10,200	LIFE	* *	5	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : Corroded								
Stand-by Power								
Transfer Switches								
Automatic	100%			2046	* *	1	$1,800	
Generators								
Natural Gas	100%			2042	* *	1	$2,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : Emergency Generator Rated At 70 Kilowatts								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$200	
Lighting								
Interior Lighting								
Fluorescent	30%			2029	$5,000	10	$1,600	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : 1st Floor And 3rd Floor								
LED	70%			2037	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement, 1st Floor And 2nd Floor								
Explanation : LED Fixtures								
Egress Lighting								
Emergency, Service	40%			2029	$1,200	1		
Emergency, Battery	10%			2029	$800	10	$100	
Exit, Service	50%			2029	$300	1		
Exterior Lighting								
HID	30%			2029	$7,000	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								
Energy Source								
Natural Gas	100%			2049	* *	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 280/LADDER CO. 132
Asset # : 13166

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	100%			2042	* *	1	$5,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	100%	Now	$500	2039	* *			
Insul. Deteriorating, Extent : Moderate, Area Affected : 30%								
Location : Basement								
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Window/Wall Unit	50%			2024	$6,000	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2-5	$600	
No Component	80%							
Exhaust Fans								
Roof	20%			2024	$1,900	2		
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2024	$3,500	2	$100	
Sanitary Piping								
Cast Iron	100%	Now	$4,200	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 10%								
Location : Basement								
Corroded, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Other Observation, Extent : Severe, Area Affected : 10%								
Location : Basement								
Explanation : Water Backs Up, It Is Causing Flooding In Basement.								
Storm Drain Piping								
Cast Iron	100%	0-2	$600	LIFE	* *	1		
Corroded, Extent : Moderate, Area Affected : 30%								
Location : Basement								
Backflow Preventer								
Not Accessible	100%							

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FIRE DEPARTMENT - 057
ENGINE CO. 280/LADDER CO. 132
Asset # : 13166

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%							
Obsolete Fixtures, Extent : Moderate, Area Affected : 70%								
Location : Various Locations								
Fire Suppression								
Chemical System								
Generic	100%			2022	$27,900	1-3	$4,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : 1 Set								

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

Asset Name : **ENGINE CO. 281/LADDER CO. 147**
Address : **1210 CORTELYOU ROAD**
Borough : **BROOKLYN**
Program / Asset # : **FIRSECO.281 / 13167**
Area Sq Ft : **10,106**
Date of Survey : **26-Jun-2020**
Areas Surveyed : **Basement, Roof, Floors 1,2,3**
Block : **5155** **Lot** : **4**

Agency's Number : **N/A**
Yr Built/Renovated : **1912 /**
Project Type : **FIRE DEPARTMENT**
Landmark Status : **NONE**
BIN : **3118638**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$314,300	$159,700
Interior Architecture	$68,700	$61,800
Electrical		$71,900
Mechanical		$160,700
Total	**$383,000**	**$454,100**
Importance Code A	$314,300	$159,700
Importance Code B		$294,400
Importance Code C	$68,700	
Total	**$383,000**	**$454,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$35,300	$3,100		
Interior Architecture	$84,600		$600	$900
Electrical	$30,900		$100	$100
Mechanical	$36,200	$1,300	$1,800	$1,300
Site Pavements	$1,600			
Total	**$188,600**	**$4,500**	**$2,400**	**$2,300**
Importance Code A	$36,300	$4,100	$1,000	$1,000
Importance Code B	$132,700	$400	$1,400	$1,300
Importance Code C	$19,600			
Total	**$188,600**	**$4,500**	**$2,400**	**$2,300**



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FIRE DEPARTMENT - 057
ENGINE CO. 281/LADDER CO. 147
Asset # : 13167

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	75%	Now	$94,900	LIFE	* *	5	$29,500	
Vertical Cracks, Extent : Moderate, Area Affected : 5%								
Location : Front Side Facade								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Boiler Room And Behind Electrical Panel								
Masonry: Granite	3%			LIFE	* *	5	$1,800	
Masonry: Limestone	15%	2-4	$68,700	LIFE	* *	5	$4,400	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%								
Location : Front Facade								
Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%								
Location : Over Head Door Jambs								
Metal Sect. OHD	5%			2048	* *	5	$6,100	
Slate Panels	2%	2-4	$8,800	LIFE	* *	5	$600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Window Sills								
Windows								
Aluminum	100%	Now	$94,800	2056	* *	5	$1,100	
Unit Inoperable, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Second Floor Bathroom								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Explanation : Windows Are Old, Single Glazed And Deteriorated. They Should Be Replaced								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	* *	5-10	$5,400	
Masonry: Brick	80%	0-2	$55,800	LIFE	* *	5	$3,000	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 25%								
Location : Exterior Of Parapet								
Vertical Cracks, Extent : Light, Area Affected : 10%								
Location : Street Facade At Entrance								
Masonry: Sandstone	15%	Now	$5,300	LIFE	* *	5	$700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Main Roof Parapet								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : Coping Stones								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Coping								
Explanation : Actually Bluestone								

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FIRE DEPARTMENT - 057
ENGINE CO. 281/LADDER CO. 147
Asset # : 13167

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								
Modified Bitumen	100%	Now	$16,000	2031	$159,700			
Blisters, Extent : Light, Area Affected : 15%								
Location : Main Roof								
Miss/Damaged Flashings, Extent : Light, Area Affected : 15%								
Location : Main Roof								
Ridging, Extent : Moderate, Area Affected : 20%								
Location : Upper And Lower Roofs								
Soffits								
Stucco Cement	100%	2-4	$400	2036	* *	5	$400	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Over Head Door								
Interior								
Floors								
Cast in Place Concrete	40%	Now	$13,400	LIFE	* *	5	$13,200	
Water Penetration, Extent : Severe, Area Affected : 15%								
Location : Back Up From Storm Drain								
Worn/Eroded, Extent : Moderate, Area Affected : 10%								
Location : Gymnasium Floor								
Mosaic Tile	10%	Now	$4,800	2036	* *	5	$1,900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : 3rd Floor Bath								
Quarry Tile	5%			2044	* *	5	$1,100	
Vinyl Tile	45%	0-2	$12,400	2031	$61,800	3	$2,600	
Worn/Eroded, Extent : Moderate, Area Affected : 15%								
Location : Second And Third Floors								
Interior Walls								
Ceramic Tile	10%	0-2	$6,900	2034	* *	5	$1,200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Kitchen								
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : 3rd Floor Bathroom								
Masonry: Brick	35%	Now	$68,700	LIFE	* *			
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
Location : Rear And Front Basement Wall								
Vertical Cracks, Extent : Light, Area Affected : 5%								
Location : Apparatus Floor By Kitchen								
Water Penetration, Extent : Moderate, Area Affected : 70%								
Location : Rear And Front Basement Walls								
Plaster	55%	0-2	$11,100	LIFE	* *	5	$3,900	
Paint Peeling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : At Roof Hatch								

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FIRE DEPARTMENT - 057
ENGINE CO. 281/LADDER CO. 147
Asset # : 13167

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	43%	4+	$2,800	2036	* *	5	$3,300	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Throughout								
Exposed Struc: Steel	25%	4+	$17,000	LIFE	* *			
Corrosion/Rusting, Extent : Light, Area Affected : 1%								
Location : Coal Storage Room								
Gypsum Board	5%	Now	$8,200	LIFE	* *	5	$900	
Worn/Eroded, Extent : Severe, Area Affected : 25%								
Location : Kitchen								
Plaster	25%	Now	$5,300	LIFE	* *	5	$2,400	
Loose/Delam Surface, Extent : Moderate, Area Affected : 5%								
Location : Basement Boiler Room								
Paint Peeling, Extent : Light, Area Affected : 10%								
Location : Apparatus Floor Ceiling								
Wood	2%			LIFE	* *	5	$5,300	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2036	* *			
Parking/Driveway								
Cast in Place Concrete	100%	2-4	$1,600	2036	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Front Apron								

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								
Molded Case Bkrs	100%			2031	$5,200	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Main Service Disconnect Switch Rated At 350 Amperes. Missing Cover								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	$52,200	5	$300	
Raceway								
Conduit	100%			2031	$33,500	1		
Panelboards								
Fused Disc Sw	2%			2030	$800	5		
Molded Case Bkrs	48%			2030	$19,800	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		
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	70%	0-2	$20,700	2056	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Thermoplastic	30%			2031	$8,900	1		
Motor Controllers								
Locally Mounted	100%			2048	* *	5	$100	
Ground								
Grounding Devices								
Generic	100%	0-2	$10,200	LIFE	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Corroded								
Lighting								
Interior Lighting								
LED	100%			2036	* *			
Exterior Lighting								
LED	10%			2036	* *			
No Component	90%							

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%			2041	* *	1		
Conversion Equipment								
Steam Boiler	100%			2036	* *	1	$10,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	30%	Now	$5,400	2041	* *			
Corroded, Extent : Severe, Area Affected : 60%								
Location : Basement								
Insul. Deteriorating, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Steam Piping/Pump	70%			2031	$31,300			
Terminal Devices								
Convector/Radiator	100%			2029	$54,100	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		
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	$2,200	2036	* *			
Other Observation, Extent : Moderate, Area Affected : 50%								
Location : 1st Floor Sitting Room								
Explanation : Defective Unit								
Window/Wall Unit	60%	Now	$1,300	2026	$12,600	1		
Not in Service, Extent : Moderate, Area Affected : 15%								
Location : Various								
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	$3,600	
Other Observation, Extent : Light, Area Affected : 80%								
Location : Apparatus Floor								
Explanation : Not Be Used								
No Component	60%							
Exhaust Fans								
Roof	10%			2031	$1,700	2		
Wall Unit	20%	0-2	$700	2041	* *	2		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Back Of Apparatus Floor								
Explanation : On Extended Life Time								
No Component	70%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Throughout								
Explanation : Poor Air Circulation								
Plumbing								
H/C Water Piping								
Brass/Copper	10%	0-2	$400	2031	$7,500	1		
Not Insulated, Extent : Moderate, Area Affected : 30%								
Location : Basement								
Brass/Copper	90%			2031	$67,800	1		
Water Heater								
Gas Fired	100%			2026	$6,200	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								

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

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								
Sanitary Piping								
Cast Iron	100%	Now	$22,200	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 20%								
Location : Basement And Apparatus Floor								
Corroded, Extent : Severe, Area Affected : 20%								
Location : Causes Leaking In Basement								
Other Observation, Extent : Severe, Area Affected : 10%								
Location : Basement								
Explanation : Water Pit Fill Up With Soil Completely. Flooding In Basement. Sewage Issue Needs To Be Take Care Urgently!								
Storm Drain Piping								
Cast Iron	100%	Now	$1,100	LIFE	* *	1		
Corroded, Extent : Severe, Area Affected : 10%								
Location : Basement								
Sump Pump(s)								
Submersible	100%	Now	$300	2026	$300	4	$200	
Malfunctioning, Extent : Severe, Area Affected : 30%								
Location : Basement								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$45,000	
Total	**$45,000**	
Importance Code A	$45,000	
Total	**$45,000**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$43,600	$4,700		
Interior Architecture	$25,400	$700	$1,700	
Electrical	$3,000			$100
Mechanical	$1,800	$1,500	$7,000	$1,400
Total	**$73,800**	**$7,000**	**$8,700**	**$1,400**
Importance Code A	$45,500	$5,000	$300	$300
Importance Code B	$28,300	$1,900	$7,300	$1,100
Importance Code C			$1,000	
Total	**$73,800**	**$7,000**	**$8,700**	**$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.
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FIRE DEPARTMENT - 057
ENGINE CO. 282/LADDER CO. 148
Asset # : 13168

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	80%	Now	$11,700	LIFE	* *	5	$18,200	
Water Penetration, Extent : Moderate, Area Affected : 2%								
Location : 2nd Floor Over Window Head								
Masonry: Granite	5%			LIFE	* *	5	$900	
Masonry: Limestone	10%			LIFE	* *	5	$1,700	
Staining/Discoloring, Extent : Light, Area Affected : 2%								
Location : Front Façade								
Metal Sect. OHD	5%			2043	* *	5	$3,500	
Windows								
Aluminum	100%	4+	$2,800	2038	* *	5	$1,500	
Hardware Missing, Extent : Light, Area Affected : 15%								
Location : 2nd Floor Latches Loose Or Broken								
Parapets								
Masonry: Brick	75%	Now	$24,700	LIFE	* *	5	$2,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : East Facade								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 10%								
Location : Various Parapets								
Masonry: Limestone	15%	Now	$4,500	LIFE	* *	5	$500	
Broken/Missing Elements, Extent : Light, Area Affected : 15%								
Location : Coping Stones Located Over Cornice At Front Facade								
Metal Rail	10%			2043	* *	5-10	$4,800	
Roof								
Modified Bitumen	90%	4+	$45,000	2035	* *			
Alligatoring, Extent : Light, Area Affected : 10%								
Location : All Seams.								
Drains Inad/Misposn, Extent : Moderate, Area Affected : 5%								
Location : Throughout Roof.								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Upper Roof Over Locker Room And Lower Roof Over Kitchen								
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	$24,400	2058	* *	5	$6,500	
Deteriorated Finish, Extent : Moderate, Area Affected : 35%								
Location : 2nd And 3rd Floor								
Interior Walls								
Ceramic Tile	10%			2039	* *	5	$2,000	
Gypsum Board	35%			LIFE	* *	5	$4,300	
Masonry: Brick	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. 282/LADDER CO. 148
Asset # : 13168

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	10%			2043	* *	5	$1,500	
Exposed Struc: Steel	20%			LIFE	* *			
Gypsum Board	30%	Now	$1,000	LIFE	* *	5	$5,500	
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Third Floor Locker Room								
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	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%	Now	$1,600	2050	* *	5		
Enclosure Corroded, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 400 Ampere Main Disconnect Switch								
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		
System / Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Egress Lighting								
Emergency, Battery	20%			2030	$4,000	10	$700	
Exit, LED	80%	Now	$1,500	2045	* *	1		
Damaged Fixtures, Extent : Moderate, Area Affected : 50%								
Location : 1st Floor								
Exterior Lighting								
LED	50%			2035	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Perimeter								
Explanation : Operated Via Timer								
No Component	50%							

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%			2050	* *	1		
Conversion Equipment								
Hot Water Boiler	50%			2043	* *	1	$3,400	
No Component	50%							
Distribution								
Hot Wtr Piping/Pump	50%	Now	$300	2046	* *	4	$300	
Other Observation, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Explanation : Small Leak At Seal								
No Component	50%							
Terminal Devices								
Convector/Radiator	100%			2043	* *	1	$4,400	
Air Conditioning								
Energy Source								
Electricity	100%			2046	* *	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	100%			2035	* *	2	$800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : Four Units Total								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2	$17,900	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$7,700	
Exhaust Fans								
Roof	40%			2030	$9,100	2	$200	
Roof	60%			2035	* *	2	$300	

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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

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%			2050	* *	1		
Water Heater								
Gas Fired	100%			2028	$8,400	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%			2035	* *	4	$400	
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	$1,400	1-3	$200	

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

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$162,700	
Interior Architecture		$52,000
Electrical		$159,500
Total	**$162,700**	**$211,500**
Importance Code A	$162,700	
Importance Code B		$211,500
Total	**$162,700**	**$211,500**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$52,500	$5,800		
Interior Architecture	$100,500		$700	$700
Electrical	$12,000	$900	$2,600	$1,100
Mechanical	$11,800	$700	$1,400	$400
Site Enclosure	$9,200			
Site Pavements	$23,600			
Total	**$209,700**	**$7,500**	**$4,700**	**$2,300**
Importance Code A	$52,500	$5,800		
Importance Code B	$100,100	$1,700	$4,700	$2,300
Importance Code C	$57,000			
Total	**$209,700**	**$7,500**	**$4,700**	**$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. 283
Asset # : 13169

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%	0-2	$111,900	LIFE	* *	5	$17,400	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 5%								
Location : Outside Corners And Overhead Door Pillars								
Vegetation Growth, Extent : Severe, Area Affected : 50%								
Location : South, East And North Facades.								
Metal/Glass Curt Wall	10%			LIFE	* *	5	$9,300	
Metal Sect. OHD	15%			2048	* *	5	$11,600	
Metal: Cage/Fence	5%	2-4	$3,000	2036	* *	5	$2,700	
Corrosion/Rusting, Extent : Moderate, Area Affected : 50%								
Location : Exterior Caged Storage								
Windows								
Aluminum	100%	Now	$6,000	2039	* *	5	$700	
Glazing Clouded, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor								
Parapets								
Concrete Masonry Unit	70%			LIFE	* *	5-10	$12,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Lower And Upper Roof								
Explanation : Masonry Surfaces Painted								
Metal Panel	30%			2051	* *	5	$3,700	
Roof								
Asphalt Shingle	5%			2040	* *	10	$200	
Metal Panel	5%	2-4	$3,700	2044	* *			
Deteriorated Finish, Extent : Severe, Area Affected : 90%								
Location : Side Yard								
Modified Bitumen	80%	2-4	$23,500	2036	* *			
Ponding, Extent : Light, Area Affected : 5%								
Location : Upper Roof								
Sloped Glazing	10%	Now	$50,800	LIFE	* *	5	$27,100	
Glazing Broken/Cracked, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Corridor								
Glazing Clouded, Extent : Severe, Area Affected : 25%								
Location : Throughout								
Soffits								
Metal Panel	100%	0-2	$2,000	2041	* *	5	$1,600	
Misaligned/Bulging, Extent : Light, Area Affected : 10%								
Location : Corner Exterior Storage								
Interior								

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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

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	60%			LIFE	* *	5	$50,100	
Paint Peeling, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Worn/Eroded, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Mosaic Tile	5%	Now	$3,000	2036	* *	5	$1,200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Bathroom								
Quarry Tile	5%			2044	* *	5	$1,400	
Vinyl Tile	30%	Now	$1,000	2031	$52,000	3	$2,100	
Broken/Missing Elements, Extent : Light, Area Affected : 2%								
Location : 2nd Floor								
Interior Walls								
Cast in Place Concrete	10%			LIFE	* *	10	$6,600	
Ceramic Tile	5%	Now	$1,900	2040	* *	5	$700	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : 1st Floor And 2nd Floor Bath								
Concrete Masonry Unit	42%	4+	$13,100	LIFE	* *	5	$4,400	
Vertical Cracks, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor Corridor								
Gypsum Board	8%			LIFE	* *	5-10	$3,600	
Plaster	10%			LIFE	* *	5-10	$2,200	
SGFT/Glazed Masonry	25%			LIFE	* *	10	$3,300	
Ceilings								
AcousTileConcealSpLn	10%	Now	$3,200	2036	* *	5	$1,200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor								
Misaligned/Bulging, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : 2nd Floor								
AcousTileSusp.Lay-In	55%	Now	$17,500	2036	* *	5	$5,100	
Broken/Missing Elements, Extent : Severe, Area Affected : 15%								
Location : Throughout 1st Floor								
Misaligned/Bulging, Extent : Light, Area Affected : 1%								
Location : Offices								
Recent Repair Evident, Extent : Light, Area Affected : 15%								
Location : 1st Floor								
Staining/Discoloring, Extent : Moderate, Area Affected : 10%								
Location : Throughout 1st Floor								
Exposed Concrete	35%	Now	$22,100	LIFE	* *	5	$1,000	
Paint Peeling, Extent : Severe, Area Affected : 60%								
Location : Apparatus Room At Doors								
Site Enclosure								

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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

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 Enclosure								
Fence/Gates								
Chain Link	100%	0-2	$9,200	2041	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 50%								
Location : Parking Lot								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	2-4	$4,300	2036	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Howard Avenue								
On-Site Walkways								
Cast in Place Concrete	100%	Now	$3,000	2036	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Over Head Door Apron								
Parking/Driveway								
Asphalt	100%	Now	$16,300	2034	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Parking Lot								
Potholes, Extent : Severe, Area Affected : 10%								
Location : Parking Lot								

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								
Molded Case Bkrs	100%			2031	$5,200	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : Main Service Disconnect Switch Rated At 350 Amperes.								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	$52,200	5	$300	
Raceway								
Conduit	90%			2031	$30,100	1		
Conduit	10%			2041	* *	1		
Panelboards								
Molded Case Bkrs	90%			2030	$37,000	5	$300	
Molded Case Bkrs	10%			2039	* *	5		
Wiring								
Thermoplastic	90%			2031	$26,700	1		
Thermoplastic	10%			2041	* *	1		
Motor Controllers								
Locally Mounted	50%			2029	$7,700	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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ground								
Grounding Devices								
Generic	100%	2-4	$10,200	LIFE	* *	5	$200	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : Corroded								
Stand-by Power								
Transfer Switches								
Automatic	100%			2029	$5,200	1	$3,700	
Generators								
Diesel	100%			2027	$70,300	1	$4,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : No Available Nameplate Rating Capacity								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$400	
Fuel Storage								
Day Tank	5%			2030		5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room								
Explanation : 10 Gallons Rated Capacity								
Underground Storage	95%			LIFE	* *	5	$1,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Underground								
Explanation : No Available Nameplate Rating Capacity								
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	$7,700	1	$900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Perimeter								
Explanation : Cctv Surveillance Cameras								

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%			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. 283
Asset # : 13169

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								
Under Construction	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Basement Boiler Room								
Explanation : Boiler Replacement Is In Progress.								
Distribution								
Hot Wtr Piping/Pump	100%			2039	* *	4	$900	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 2nd Floor								
Explanation : There Is Only 1 Thermostat In The Building								
Terminal Devices								
Convector/Radiator	70%	0-2	$2,200	2036	* *	1	$2,400	
Not in Service, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Chiefs Office And Back Of The Kitchen								
Unit Heater - Hot Water	30%			2041	* *			
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Apparatus Floor								
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	40%	0-2	$1,900	2036	* *	2	$200	
Not in Service, Extent : Moderate, Area Affected : 10%								
Location : 1 Out Of 3 Units, Roof								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 3 Units. R-410a								
Split Unit	10%			2036	* *			
Window/Wall Unit	20%	0-2	$2,500	2026	$5,000	1		
Obsolete Equipment, Extent : Moderate, Area Affected : 70%								
Location : Various Locations								
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	$6,300	
Needs Cleaning, Extent : Moderate, Area Affected : 30%								
Location : 2nd Floor Locker Room								
No Component	40%							

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

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								
Roof	60%			2031	$11,900	2	$200	
Wall Unit	40%			2031	$1,700	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2026	$7,300	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	10%	Now	$2,600	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 30%								
Location : Water Backup In Basement								
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	$11,700	1-2	$300	
Chemical System								
No Component	99%							
Generic	1%			2024	$300	1-3		
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.
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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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **21-Nov-2016**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2,3**		
Block	: **6254** **Lot** : **53**	**BIN**	: **3161800**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$221,900	
Interior Architecture	$70,600	$88,700
Electrical	$41,700	$87,200
Mechanical		$44,300
Site Enclosure	$59,600	
Total	**$393,800**	**$220,200**
Importance Code A	$221,900	
Importance Code B	$41,700	$131,500
Importance Code C	$130,100	$88,700
Total	**$393,800**	**$220,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$25,700	$7,200		
Interior Architecture	$37,500			$800
Electrical	$20,900	$300		
Mechanical	$24,900	$43,700	$1,700	$1,500
Total	**$109,000**	**$51,100**	**$1,700**	**$2,300**
Importance Code A	$26,700	$8,300	$1,000	$1,000
Importance Code B	$72,000	$42,800	$700	$1,300
Importance Code C	$10,300			
Total	**$109,000**	**$51,100**	**$1,700**	**$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. 284/LADDER CO. 149
Asset # : 13170

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	80%	Now	$147,800	LIFE	* *	5	$22,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Masonry: Granite	5%			LIFE	* *	5	$1,100	
Masonry: Limestone	5%			LIFE	* *	5	$1,100	
Wood Overhead Doors	10%			2033	* *	5	$14,300	
Windows								
Aluminum	100%	Now	$15,500	2044	* *	5	$1,700	
Air Infiltration, Extent : Moderate, Area Affected : 15%								
Location : Second Floor								
Caulking Deteriorated, Extent : Moderate, Area Affected : 25%								
Location : Second Floor								
Parapets								
Cast Stone/Terra Cotta	20%	Now	$9,100	LIFE	* *	5	$5,200	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
Location : Throughout								
Water Penetration, Extent : Light, Area Affected : 10%								
Location : Third Floor								
Stucco Cement	80%	Now	$74,100	2048	* *	5	$3,500	
Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Roof								
Asphalt Shingle	10%	Now	$1,000	2031	$5,200			
Punct/Tear/Impact Damage, Extent : Light, Area Affected : 10%								
Location : Throughout								
Water Penetration, Extent : Light, Area Affected : 10%								
Location : 3rd Floor								
Not Accessible	90%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Throughout								
Explanation : High Hatch								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	* *	5	$19,200	
Ceramic Tile	10%			2037	* *	5	$1,800	
Quarry Tile	5%			2041	* *	5	$1,300	
Vinyl Tile	35%	Now	$16,700	2038	* *	3	$2,300	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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	$35,500	2043	* *	5	$600	
Broken/Missing Elements, Extent : Severe, Area Affected : 100%								
Location : Kitchen								
Ceramic Tile	10%			2031	$88,700	5	$2,400	
Masonry: Brick	35%	0-2	$35,100	LIFE	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Plaster	50%	Now	$10,300	LIFE	* *	5	$3,600	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : First And Second Flooors								
Ceilings								
AcousTileSusp.Lay-In	35%	Now	$5,300	2041	* *	5	$3,100	
Broken/Missing Elements, Extent : Severe, Area Affected : 50%								
Location : 3rd Floor								
Exposed Struc: Steel	30%			LIFE	* *			
Plaster	35%	Now	$4,300	LIFE	* *	5	$3,800	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : First Floor								
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%	Now	$59,600	2038	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : In Front of Building								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2033	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Both Sides Of Building								
Explanation : Two Walkways								
Parking/Driveway								
Cast in Place Concrete	100%			2041	* *			

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								
Molded Case Bkrs	100%			2028	$5,200	5	$300	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Electrical Room Basement								
Explanation : One 200 Amperes Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2028	$52,200	5	$300	
Raceway								
Conduit	100%			2028	$33,500	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. 284/LADDER CO. 149
Asset # : 13170

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								
Panelboards								
Fused Disc Sw	5%			2027	$2,100	5		
Molded Case Bkrs	85%			2027	$35,000	5	$200	
Molded Case Bkrs	10%			2044	* *	5		
Wiring								
Braided Cloth	70%	Now	$20,700	2053	* *	1		
Insulation Aged, Extent : Severe, Area Affected : 100%								
Location : Throughout The Building								
Thermoplastic	20%			2028	$5,900	1		
Thermoplastic	10%			2048	* *	1		
Motor Controllers								
Locally Mounted	100%			2026	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Lighting								
Interior Lighting								
Fluorescent	30%			2036	* *	10	$2,800	
LED	70%			2036	* *			
Exterior Lighting								
HID	100%			2023	$41,700	10		

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%			2054	* *	1		
Conversion Equipment								
Furnace	5%			2028	$1,200	1	$300	
Other Observation, Extent : Light, Area Affected : 5%								
Location : Gymnasium								
Explanation : 1 Modine Gas Fire Unit								
Steam Boiler	95%			2041	* *	1	$9,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Unit								
Distribution								
Steam Piping/Pump	95%			2038	* *			
No Component	5%							
Terminal Devices								
Convector/Radiator	80%			2026	$44,300	1	$2,700	
Fan Coil Unit/Heat	15%			2028	$23,300	1	$500	
No Component	5%							
Air Conditioning								

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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. 284/LADDER CO. 149
Asset # : 13170

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%			2036	* *	1		
Conversion Equipment								
Split Unit	10%			2023	$22,100			
R-22 Refrigerant, Extent : Light, Area Affected : 10%								
Location : 2 Units, Roof								
Window/Wall Unit	50%			2023	$10,800	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	10%	Now	$11,800	2038	* *	1	$300	
Broken, Extent : Severe, Area Affected : 10%								
Location : 3rd Floor Ceiling								
No Component	90%							
Heat Rejection								
Evaporative Condenser	10%			2023	$1,900	2	$700	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	* *	2-5	$2,300	
No Component	60%							
Exhaust Fans								
Interior	20%			2023	$7,400	2	$100	
Roof	20%			2028	$3,400	2	$100	
Wall Unit	10%			2028	$400	2		
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	80%			2038	* *	1		
Galvanized Steel	20%	Now	$500	2026	$9,100	1		
Corroded, Extent : Severe, Area Affected : 5%								
Location : Water Main And Connecting Piping, Basement								
Water Heater								
Gas Fired	100%			2026	$6,300	2	$200	
Sanitary Piping								
Cast Iron	100%	0-2	$7,600	LIFE	* *	1		
Corroded, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Storm Drain Piping								
Cast Iron	100%	Now	$2,200	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Floor, Floor Drain								
Corroded, Extent : Severe, Area Affected : 20%								
Location : Basement								

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. 284/LADDER CO. 149
Asset # : 13170

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								
Sump Pump(s)								
Non-Submersible	100%	Now	$1,600	2038	* *	4	$200	
Not in Service, Extent : Severe, Area Affected : 100%								
Location : Basement								
Fixtures								
Generic	100%							
Obsolete Fixtures, Extent : Severe, Area Affected : 20%								
Location : Kitchen								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future 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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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

Asset Name : **ENGINE CO. 285/LADDER CO. 142**
Address : **103-17 98th STREET**
Borough : **QUEENS**
Program / Asset # : **FIRSECO.285 / 13171**
Area Sq Ft : **10,112**
Date of Survey : **19-Dec-2018**
Areas Surveyed : **Basement, Roof, Floors 1,2,3**
Block : **9121** **Lot** : **11**

Agency's Number : **N/A**
Yr Built/Renovated : **1913 /**
Project Type : **FIRE DEPARTMENT**
Landmark Status : **NONE**
BIN : **4438526**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Interior Architecture	$63,200	
Total	**$63,200**	
Importance Code C	$63,200	
Total	**$63,200**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$22,600	$6,400		$10,100
Interior Architecture	$10,100	$3,900		$100
Electrical	$800	$700	$700	$2,800
Mechanical	$7,400	$1,800	$1,600	$9,600
Total	**$41,000**	**$12,900**	**$2,300**	**$22,600**
Importance Code A	$23,600	$7,400	$1,000	$11,100
Importance Code B	$17,300	$5,100	$1,300	$11,500
Importance Code C		$400		
Total	**$41,000**	**$12,900**	**$2,300**	**$22,600**



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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. 285/LADDER CO. 142
Asset # : 13171

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	10%	0-2	$9,500	LIFE	* *	5	$21,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Window Sills On Various Floors								
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	$12,300	2038	* *	5	$300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Glazing Broken/Cracked, Extent : Moderate, Area Affected : 2%								
Location : 2nd Floor And 3rd Floor								
Parapets								
Masonry: Brick	90%			LIFE	* *	5	$900	
Metal Panel	10%	4+	$800	2050	* *	5	$200	
Deformed/Dented, Extent : Severe, Area Affected : 5%								
Location : Parapet Coping Cover								
Seams Open/Split, Extent : Severe, Area Affected : 2%								
Location : Parapet Coping Cover								
Caulking Deteriorated, Extent : Moderate, Area Affected : 5%								
Location : Parapet Coping Cover								
Roof								
Metal, Corrugated	5%			2035	* *	1		
Modified Bitumen	95%			2035	* *	10	$10,100	
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	* *	5	$9,900	
Recent Repair Evident, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Ceramic Tile	6%			2043	* *	5	$900	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Bathrooms								
Quarry Tile	5%			2043	* *	5	$1,100	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Vinyl Tile	45%			2038	* *	3	$2,600	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Vinyl Tile	5%	Now	$6,900	2040	* *	3	$300	
Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
Location : Staircase Landings								
Wood	9%			2058	* *	5	$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
ENGINE CO. 285/LADDER CO. 142
Asset # : 13171

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%			2043	* *	5	$800	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Bathrooms								
Masonry: Brick	20%			LIFE	* *			
Plaster	50%			LIFE	* *	5	$2,300	
SGFT/Glazed Masonry	25%	4+	$63,200	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : Apparatus Floor								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Floor								
Loose Units, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Floor								
Ceilings								
AcousTileSusp.Lay-In	5%			2043	* *	5	$800	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Exposed Concrete	30%	4+	$3,300	LIFE	* *	5	$700	
Exposed Reinforcement, Extent : Moderate, Area Affected : 5%								
Location : Basement								
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		
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		
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%			2050	* *	5	$300	
Raceway								
Conduit	100%			2050	* *	1		
Panelboards								
Molded Case Bkrs	100%			2046	* *	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. 285/LADDER CO. 142
Asset # : 13171

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								
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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room								
Explanation : Emergency Generator Rated At 50 Kilowatts								
Batteries								
Lead/Acid	100%			2025	$1,600	5	$400	
Fuel Storage								
Day Tank	10%			2052	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room								
Explanation : 25 Gallons Rated Capacity								
Main Tank	90%			2065	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 275 Gallons Rated Capacity								
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		
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%			2056	* *	1		
Conversion Equipment								
Steam Boiler	100%			2043	* *	1	$10,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								

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FIRE DEPARTMENT - 057
ENGINE CO. 285/LADDER CO. 142
Asset # : 13171

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								
Steam Piping/Pump	100%	0-2	$900	2040	* *			
Insul. Deteriorating, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Terminal Devices								
Convector/Radiator	80%	0-2	$2,200	2035	* *	1	$2,300	
Corroded, Extent : Light, Area Affected : 30%								
Location : 2nd And 3rd Floors								
Unit Heater - Steam	20%			2025	$7,200	4	$200	
Air Conditioning								
Energy Source								
Electricity	100%			2046	* *	1		
Conversion Equipment								
Split Unit	30%	0-2	$3,200	2035	* *			
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Roof								
Explanation : 3 Units. R-410a. Unit For Kichen Is Inefficient.								
Window/Wall Unit	25%			2028	$5,300	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								
Gas Fired	100%			2028	$6,200	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
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		
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%			2025	$300	4	$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	98%							
Generic	2%			2029	$600	1-3	$100	
	Other Observation, Extent : Light, Area Affected : 100%							
	Location : Kitchen							
	Explanation : 1 Set							

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$302,700	$135,700
Interior Architecture	$208,900	
Electrical		$20,600
Mechanical		$7,800
Total	**$511,600**	**$164,000**
Importance Code A	$302,700	$135,700
Importance Code B	$157,300	$28,300
Importance Code C	$51,600	
Total	**$511,600**	**$164,000**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$18,300			
Interior Architecture	$23,400		$300	$1,700
Electrical	$200	$100	$100	$100
Mechanical	$12,900	$1,200	$8,900	$1,200
Site Enclosure	$7,200			
Site Pavements	$3,000			
Total	**$65,000**	**$1,300**	**$9,400**	**$3,100**
Importance Code A	$19,200	$900	$900	$900
Importance Code B	$31,000	$400	$8,200	$1,200
Importance Code C	$14,800		$300	$1,000
Total	**$65,000**	**$1,300**	**$9,400**	**$3,100**



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FIRE DEPARTMENT - 057
ENGINE CO. 286/LADDER CO. 135
Asset # : 13172

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	73%	Now	$196,900	LIFE	* *	5	$20,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Sides And Rear Facade								
Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Sides And Rear Facades								
Paint Peeling, Extent : Moderate, Area Affected : 10%								
Location : East Facade								
Painted Surfaces, Extent : Moderate, Area Affected : 75%								
Location : Sides And Rear Facades								
Vegetation Growth, Extent : Severe, Area Affected : 50%								
Location : Rear And West Facade								
Masonry: Granite	2%	4+	$1,400	LIFE	* *	5	$400	
Broken/Missing Elements, Extent : Light, Area Affected : 2%								
Location : Along Base At Overhead Door Entrance Corners								
Masonry: Limestone	10%	4+	$65,100	LIFE	* *	5	$2,100	
Cracking/Crumbling, Extent : Light, Area Affected : 15%								
Location : Third And Second Floor Window Openings, Horizontal Band								
Spalling, Extent : Moderate, Area Affected : 10%								
Location : Horizontal Band At Third Floor								
Vegetation Growth, Extent : Moderate, Area Affected : 25%								
Location : First Floor Cornice								
Wood Overhead Doors	15%			2036	* *	5	$20,900	
Windows								
Aluminum	85%			2047	* *	5	$600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Second And Third Floor Main Rooms								
Explanation : New Windows Four Years Ago								
Aluminum	15%	Now	$4,700	2056	* *	5	$100	
Air Infiltration, Extent : Severe, Area Affected : 100%								
Location : First Floor And All Bathrooms								
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 100%								
Location : First Floor And All Bathrooms								
Water Penetration, Extent : Light, Area Affected : 10%								
Location : Apparatus Floor								

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FIRE DEPARTMENT - 057
ENGINE CO. 286/LADDER CO. 135
Asset # : 13172

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 in Place Concrete	10%	Now	$700	LIFE	* *	5	$1,100	
Caulking Deteriorated, Extent : Moderate, Area Affected : 10%								
Location : Copping Stones								
Vegetation Growth, Extent : Moderate, Area Affected : 10%								
Location : All Facades								
Masonry: Brick	80%	Now	$10,100	LIFE	* *	5	$800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : All Facades								
Diagonal Cracks, Extent : Moderate, Area Affected : 15%								
Location : All Parapets								
Painted Surfaces, Extent : Moderate, Area Affected : 100%								
Location : All Facades								
Spalling, Extent : Moderate, Area Affected : 10%								
Location : All Facades								
Masonry: Limestone	10%	Now	$1,100	LIFE	* *	5	$100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Front Facade Cornice								
Vegetation Growth, Extent : Moderate, Area Affected : 100%								
Location : Front Facade Cornice								
Roof								
Modified Bitumen	95%	Now	$40,700	2031	$135,700			
Blisters, Extent : Moderate, Area Affected : 50%								
Location : Main Roof								
Ridging, Extent : Severe, Area Affected : 5%								
Location : Main Roof								
Water Penetration, Extent : Severe, Area Affected : 15%								
Location : Main Roof And Lower Roof								
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		
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	$58,300	LIFE	* *	5	$11,500	
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Various Locations In The Cellar, At Vault Area, Center And Rear								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : Slab Is Currently Shored With Temporary Columns To Carry Truck Load, Repair And Replacement Is Required								
Ceramic Tile	8%	Now	$1,100	2034	* *	5	$500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Kitchen And Dining Floor And Base Tile								
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Kitchen And Dining Floor And Base Tile								
Quarry Tile	2%	0-2	$1,600	2036	* *	5	$200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 4%								
Location : First Floor Toilet And Corridor								
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : First Floor Toilet And Corridor								
Sheet Vinyl/Rubber	5%			2036	* *	5	$1,000	
Vinyl Tile	45%	Now	$1,100	2036	* *	3	$2,200	
Adhesion Failure, Extent : Severe, Area Affected : 5%								
Location : Base Tile At Second And Third Floor Corridors								

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FIRE DEPARTMENT - 057
ENGINE CO. 286/LADDER CO. 135
Asset # : 13172

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	15%			2040	* *	5	$2,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen And Bathroom Tiles								
Explanation : Renovated Four Years Ago								
Ceramic Tile	5%			2034	* *	5	$700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : Painted Tile								
Gypsum Board	30%			LIFE	* *	5-10	$6,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Second And Third Floor								
Explanation : Renovated Four Years Ago								
Masonry: Brick	15%	Now	$24,400	LIFE	* *			
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%								
Location : Vault Area At Front								
Paint Peeling, Extent : Severe, Area Affected : 20%								
Location : Basement Front And Side Walls								
Spalling, Extent : Moderate, Area Affected : 20%								
Location : Front Of Building								
Water Penetration, Extent : Light, Area Affected : 15%								
Location : Front And Rear Of Building								
Masonry: Brick	25%	Now	$27,200	LIFE	* *			
Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Second And Third Floor Perimeter Walls								
Efflorescence, Extent : Moderate, Area Affected : 15%								
Location : Second And Third Floor Perimeter Walls								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%								
Location : Second And Third Floor Perimeter Walls								
Plaster	10%	Now	$2,200	LIFE	* *	5	$400	
Diagonal Cracks, Extent : Moderate, Area Affected : 15%								
Location : Basement Stairs								
Paint Peeling, Extent : Moderate, Area Affected : 20%								
Location : Basement Stairs								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Cellar Hatch								

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FIRE DEPARTMENT - 057
ENGINE CO. 286/LADDER CO. 135
Asset # : 13172

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	55%	Now	$6,000	2044	* *	5	$3,400	
Broken/Missing Elements, Extent : Severe, Area Affected : 2%								
Location : Second And Third Floors								
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : Kitchen, Second And Third Floor								
Exposed Concrete	23%	Now	$99,000	LIFE	* *	5	$500	
Cracking/Crumbling, Extent : Severe, Area Affected : 15%								
Location : Basement Beams And Slab At Rear								
Water Penetration, Extent : Moderate, Area Affected : 33%								
Location : Basement Vaults At Myrtle Avenue Facade								
Other Observation, Extent : Moderate, Area Affected : 33%								
Location : Basement								
Explanation : Concrete Ceiling Is Temporarily Shored With Steel Columns To Carry Truck Load, Future Replacement And Repair Is Required.								
Exposed Struc: Steel	2%			LIFE	* *	10	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basment								
Explanation : Vault								
Gypsum Board	5%			LIFE	* *	5-10	$2,200	
Plaster	15%	Now	$5,300	LIFE	* *	5	$1,200	
Paint Peeling, Extent : Light, Area Affected : 10%								
Location : Stair To Basement And Apparatus Floor Towards Kitchen								
Punct/Tear/Impact Damage, Extent : Light, Area Affected : 5%								
Location : Basement Stair								
Vertical Cracks, Extent : Severe, Area Affected : 5%								
Location : Stair To Basement								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Apparatus Floor Towards Kitchen								
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%	Now	$7,200	2041	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Side Yard								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	$1,900	2036	* *			
Misaligned/Bulging, Extent : Severe, Area Affected : 10%								
Location : At Curb And Street Joint								
Other Observation, Extent : Severe, Area Affected : 10%								
Location : Curb And Street Joint								
Explanation : Water Ponding Penetrating Into Vault At Basement								
On-Site Walkways								
Cast in Place Concrete	100%	2-4	$1,100	2036	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Side Yard								

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FIRE DEPARTMENT - 057
ENGINE CO. 286/LADDER CO. 135
Asset # : 13172

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								
Molded Case Bkrs	100%			2031	$5,200	5	$200	
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	
Raceway								
Conduit	100%			2041	* *	1		
Panelboards								
Molded Case Bkrs	50%			2039	* *	5	$100	
Molded Case Bkrs	50%			2030	$20,600	5	$100	
Wiring								
Thermoplastic	100%			2041	* *	1		
Motor Controllers								
Locally Mounted	100%			2036	* *	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$300	
Lighting								
Interior Lighting								
Fluorescent	100%			2036	* *	10	$8,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Egress Lighting								
Emergency, Battery	50%			2031	$6,300	10	$1,100	
Exit, Service	50%			2031	$500	1		
Exterior Lighting								
HID	20%			2031	$7,100	10		
No Component	80%							
Alarm								
Security System								
No Component	80%							
Generic	20%			2026	$5,700	1	$700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front Of The Building								
Explanation : CCTV Surveillance Cameras								

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%			2041	* *	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 286/LADDER CO. 135
Asset # : 13172

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	100%			2044	* *	1	$8,700	
Distribution								
Steam Piping/Pump	20%			2031	$7,800			
Steam Piping/Pump	80%			2057	* *			
Terminal Devices								
Convector/Radiator	90%			2044	* *	1	$2,600	
Unit Heater - Steam	10%	0-2	$3,100	2041	* *	4	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : 2 Obsolete Units								
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Split Unit	10%	0-2	$900	2036	* *			
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Lower Roof								
Explanation : 2 Inefficient Units, R-410a								
Split Unit	10%			2039	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Lower Roof								
Explanation : R-410a								
Window/Wall Unit	40%			2024	$7,300	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	20%			2036	* *	1	$600	
No Component	80%							
Heat Rejection								
Air Cooled Condenser Unit	20%			2036	* *	2	$1,200	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	25%			LIFE	* *	2-5	$1,900	
No Component	75%							
Exhaust Fans								
Interior	10%	0-2	$3,100	2041	* *	2		
Obsolete Equipment, Extent : Moderate, Area Affected : 100%								
Location : Bathrooms								
Roof	10%			2031	$1,500	2		
Wall Unit	20%			2026	$600	2	$100	
Other Observation, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Floor								
Explanation : Apparatus Floor Air Circulation Is Poor								
No Component	60%							
Plumbing								

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FIRE DEPARTMENT - 057
ENGINE CO. 286/LADDER CO. 135
Asset # : 13172

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								
Gas Fired	100%			2029	$5,400	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Cellar								
Explanation : 75 Gallon Heater								
Sanitary Piping								
Cast Iron	100%	0-2	$3,200	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 20%								
Location : Water Backs Up On Apparatus Floor								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$300	4	$300	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2026	$300	1-3		
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$481,800	
Mechanical		$162,800
Total	**$481,800**	**$162,800**
Importance Code A	$481,800	
Importance Code B		$162,800
Total	**$481,800**	**$162,800**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$51,300		$2,100	
Interior Architecture	$101,300		$1,800	$500
Electrical	$1,300	$600	$700	$2,200
Mechanical	$63,200	$1,800	$5,500	$2,000
Total	**$217,100**	**$2,400**	**$10,100**	**$4,600**
Importance Code A	$51,700	$400	$2,500	$400
Importance Code B	$104,600	$1,900	$6,400	$4,200
Importance Code C	$60,800		$1,200	
Total	**$217,100**	**$2,400**	**$10,100**	**$4,600**



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. 287/LADDER CO. 136
Asset # : 13173

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								
Copper/Terne	3%	4+	$24,200	2066	* *			
Misaligned/Bulging, Extent : Moderate, Area Affected : 25%								
Location : Cornice At Front Of Building								
Masonry: Brick	70%	Now	$298,000	LIFE	* *	5	$18,500	1
Diagonal Cracks, Extent : Severe, Area Affected : 25%								
Location : Front And Rear Facade								
Vertical Cracks, Extent : Severe, Area Affected : 60%								
Location : Exterior Wall Of Kitchen And Side Yard Due To Adjacent Construction								
Other Observation, Extent : Severe, Area Affected : 25%								
Location : Side And Rear Of Building								
Explanation : Structural Damage To Masonry Wall								
Masonry: Granite	2%			LIFE	* *	5	$800	
Masonry: Limestone	10%			LIFE	* *	5	$4,000	
Metal Sect. OHD	5%			2044	* *	5	$4,100	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Front Elevation								
Other Observation, Extent : Light, Area Affected : 5%								
Location : Front Facade								
Explanation : Fiberglass Overhead Door								
Stucco Cement	10%			2036	* *	5	$6,600	
Windows								
Aluminum	100%	0-2	$37,000	2047	* *	5	$1,400	
Air Infiltration, Extent : Severe, Area Affected : 30%								
Location : Side Yard Windows Are Out Of Plumb In Masonry Opening								
Parapets								
Cast Stone/Terra Cotta	10%	Now	$24,700	LIFE	* *	5	$2,400	1
Cracking/Crumbling, Extent : Severe, Area Affected : 50%								
Location : Cast Stone Copings At Parapet								
Masonry: Brick	85%	Now	$63,600	LIFE	* *	5	$2,600	1
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 80%								
Location : Throughout Parapets								
Water Penetration, Extent : Severe, Area Affected : 90%								
Location : Rear Perimeter Of Building								
Metal Panel	5%			2051	* *	5	$600	
Roof								
Modified Bitumen	97%	Now	$83,200	2036	* *			
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Throughout Main Roof								
Explanation : Water Penetration Reported Previously Results From Open And Missing Mortar Joint In Brick Parapets								
Skylight, Metal/Glass	3%			2041	* *	10	$1,200	
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. 287/LADDER CO. 136
Asset # : 13173

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	55%			LIFE	* *	5	$30,600	
Ceramic Tile	10%			2034	* *	5	$1,300	
Quarry Tile	5%			2036	* *	5	$1,000	
Vinyl Tile	30%			2031	$34,600	3	$1,900	
Interior Walls								
Ceramic Tile	15%			2034	* *	5	$2,400	
Ceramic Tile	25%	Now	$29,300	2040	* *	5	$2,000	
Broken/Missing Elements, Extent : Moderate, Area Affected : 40%								
Location : Various Locations In Apparatus Room, Around Windows								
Gypsum Board	30%	Now	$400	LIFE	* *	5	$2,900	
Water Penetration, Extent : Severe, Area Affected : 80%								
Location : Second Floor Office At Windows								
Masonry: Brick	15%	Now	$29,800	LIFE	* *			
Vertical Cracks, Extent : Moderate, Area Affected : 50%								
Location : Basement								
Water Penetration, Extent : Moderate, Area Affected : 50%								
Location : Basement								
Plaster	15%			LIFE	* *	5-10	$2,000	
Ceilings								
AcousTileSusp.Lay-In	35%	Now	$11,500	2044	* *	5	$2,200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 30%								
Location : Kitchen And Second Floor Perimeter								
Staining/Discoloring, Extent : Severe, Area Affected : 30%								
Location : Kitchen And Second Floor Perimeter								
Water Penetration, Extent : Severe, Area Affected : 30%								
Location : Kitchen And Second Floor Perimeter								
Exposed Struc: Steel	30%			LIFE	* *	10	$7,600	
Gypsum Board	5%	Now	$1,400	LIFE	* *	5	$800	
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Soffit Of 2nd Floor Windows								
Plaster	30%			LIFE	* *	5-10	$6,600	
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		
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. 287/LADDER CO. 136
Asset # : 13173

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%			2041	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room Basement								
Explanation : One 600 Ampere Main Disconnect Switch								
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	$300	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	* *	1	$2,700	
Generators								
Diesel	100%			2040	* *	1	$3,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : One 64 Kilowatts								
Batteries								
Lead/Acid	100%			2025	$1,600	5	$300	
Fuel Storage								
Day Tank	50%			2047	* *	5	$800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : One 60 Gallons								
Main Tank	50%			2046	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 550 Gallons								
Lighting								
Interior Lighting								
Fluorescent	70%			2036	* *	10	$5,700	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
LED	30%			2039	* *			

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. 287/LADDER CO. 136
Asset # : 13173

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								
Egress Lighting								
Emergency, Service	35%			2031	$1,600	1		
Emergency, Service	15%			2039	* *	1		
No Component	50%							
Exterior Lighting								
HID	30%			2031	$10,600	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								
Energy Source								
Natural Gas	100%			2051	* *	1		
Conversion Equipment								
Furnace	50%			2036	* *	1	$2,200	
Recent Replace Evident, Extent : Light, 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	$3,900	
Hot Wtr Piping/Pump	50%			2039	* *	4	$300	
Terminal Devices								
Air Handler	50%			2036	* *	1	$2,700	
Convector/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	$25,700	2031	$64,100	2	$400	
Other Observation, Extent : Severe, Area Affected : 80%								
Location : Roof								
Explanation : The Air Conditioning Units Blows Hot Air Instead Of Cold Air. Building Extremly Hot In Summer								
Window/Wall Unit	10%			2029	$1,800	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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
Distribution								
Ductwork/Diffusers	90%			LIFE	* *	2	$12,900	
No Component	10%							
Terminal Devices								
Air Handler/Cool/Ht	100%	0-2	$29,600	2031	$98,700	1	$4,900	
Other Observation, Extent : Severe, Area Affected : 75%								
Location : Rooftop Unit								
Explanation : The Air Conditioning System Is Malfunctioning.								
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$7,800	
Exhaust Fans								
Interior	50%			2036	* *	2	$100	
Roof	50%			2036	* *	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	* *	1		
Water Heater								
Electric	100%			2029	$7,800	4	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 120 Gallon Units								
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	$400	
Fixtures								
Generic	100%							
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Kitchen								
Explanation : Kitchen Sink Constantly Backing Up.								
Fire Suppression								
Sprinkler								
No Component	25%							
Generic	75%			2051	* *	1-2	$1,800	
Chemical System								
Wet	5%			2029	$1,400	1-3	$200	
No Component	95%							

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$189,800	$171,000
Interior Architecture	$168,200	
Electrical		$8,900
Total	**$358,000**	**$180,000**
Importance Code A	$189,800	$171,000
Importance Code B	$129,500	$8,900
Importance Code C	$38,700	
Total	**$358,000**	**$180,000**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$88,800	$800	$2,800	$100
Interior Architecture	$127,100			$800
Electrical			$100	
Mechanical	$8,400	$400	$1,300	$400
Site Pavements	$9,900			
Total	**$234,100**	**$1,200**	**$4,200**	**$1,300**
Importance Code A	$90,500	$800	$2,800	$100
Importance Code B	$95,200	$400	$1,400	$1,200
Importance Code C	$48,400			
Total	**$234,100**	**$1,200**	**$4,200**	**$1,300**



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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. 289/LADDER CO. 138
Asset # : 13175

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%	2-4	$189,800	LIFE	* *	5	$18,100	
Painted Surfaces, Extent : Moderate, Area Affected : 70%								
Location : Throughout								
Patching Evident, Extent : Moderate, Area Affected : 50%								
Location : Above Windows And Door Openings								
Vertical Cracks, Extent : Moderate, Area Affected : 5%								
Location : Side Elevation - Alley Side, 1st To 3rd Floor								
Masonry: Granite	3%			LIFE	* *	5	$1,200	
Masonry: Limestone	20%	2-4	$32,700	LIFE	* *	5	$3,900	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 2%								
Location : Front Elevation								
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	* *	5-10	$15,700	
Painted Surfaces, Extent : Light, Area Affected : 100%								
Location : Parapet								
Masonry: Granite	10%			LIFE	* *	5-10	$3,600	
Roof								
Copper/Terne	3%	0-2	$3,000	2046	* *			
Drains Clogged, Extent : Severe, Area Affected : 5%								
Location : 3rd Floor At Base Of Copper Roofs								
Modified Bitumen	85%	0-2	$34,200	2031	$171,000			
Alligatoring, Extent : Moderate, Area Affected : 5%								
Location : Upper Roof								
Blisters, Extent : Moderate, Area Affected : 10%								
Location : Upper Roof								
Ponding, Extent : Light, Area Affected : 5%								
Location : Upper And Lower Roof								
Slate	12%			LIFE	* *	10	$1,500	
Interior								
Floors								
Cast in Place Concrete	38%			LIFE	* *	5	$22,000	
Mosaic Tile	10%			2036	* *	5	$3,300	
Quarry Tile	3%			2036	* *	5	$600	
Terrazzo	2%			LIFE	* *	5	$400	
Vinyl Tile	47%	2-4	$24,600	2041	* *	3	$2,300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Worn/Eroded, Extent : Moderate, Area Affected : 40%								
Location : Throughout								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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%	Now	$1,400	2034	* *	5	$400	
Adhesion Failure, Extent : Light, Area Affected : 5%								
Location : Bathrooms								
Masonry: Brick	25%	0-2	$38,700	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Basement Columns								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 5%								
Location : Basement Wall Near Sidewalk Hatch And 3rd Floor								
Paint Peeling, Extent : Moderate, Area Affected : 10%								
Location : Basement, Stairwell								
Granite Panels	5%	0-2	$15,900	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Bathroom								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Bathroom								
Plaster	65%	Now	$31,100	LIFE	* *	5	$3,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Third Floor, Third Floor Roof Access								
Paint Peeling, Extent : Light, Area Affected : 10%								
Location : Stair								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Stairwell, 3rd Floor Roof Access								
Ceilings								
AcousTileSusp.Lay-In	5%	Now	$1,900	2044	* *	5	$300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 50%								
Location : Engine Office, Restroom Next To Engine Office								
Water Penetration, Extent : Severe, Area Affected : 40%								
Location : Engine Office, Restroom Next To Engine Office, Rear Sitting Room								
Exposed Concrete	10%	0-2	$14,800	LIFE	* *	5	$200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Exposed Reinforcement, Extent : Severe, Area Affected : 5%								
Location : Basement								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Exposed Struc: Steel	20%	2-4	$129,500	LIFE	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 50%								
Location : Basement								
Plaster	65%	Now	$26,200	LIFE	* *	5	$5,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Second And Third Floor Restrooms								
Paint Peeling, Extent : Moderate, Area Affected : 15%								
Location : Third Floor, Stairwell								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Second And Third Floor Restrooms And Engine Office								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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 Enclosure								
Fence/Gates								
Chain Link	100%			2041	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	$9,900	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		
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								
Fused Disc Sw	100%			2041	* *	5		
Raceway								
Conduit	100%			2041	* *	1		
Panelboards								
Molded Case Bkrs	80%			2039	* *	5	$200	
Molded Case Bkrs	20%			2030	$8,900	5		
Wiring								
Thermoplastic	25%			2031	$8,000	1		
Thermoplastic	75%			2041	* *	1		
Motor Controllers								
Locally Mounted	100%			2036	* *	5	$100	
Lighting								
Interior Lighting								
LED	100%			2039	* *			
Exterior Lighting								
HID	30%			2031	$10,500	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								
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
ENGINE CO. 289/LADDER CO. 138
Asset # : 13175

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								
Heat Pump Air Sourced	10%	0-2	$1,800	2036	* *	2		
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Back Yard								
Explanation : The Unit For Television Room Was Broken And Removed.								
Steam Boiler	90%			2036	* *	1		
Distribution								
Steam Piping/Pump	100%			2041	* *			
Terminal Devices								
Convector/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	$3,600	1		
Window/Wall Unit	25%	0-2	$4,500	2031	$4,500	1		
Unit Inoperable, Extent : Moderate, Area Affected : 100%								
Location : Various Locations								
No Component	35%							
Terminal Devices								
Fan Coil - 2 Pipe	25%			2031	$26,800	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	$1,400	
No Component	80%							
Exhaust Fans								
Interior	25%			2031	$7,700	2	$100	
Roof	5%			2031	$700	2		
Wall Unit	20%	Now	$600	2041	* *	2		
Abandoned in Place, Extent : Severe, Area Affected : 100%								
Location : 1 Unit, Apparatus Floor								
No Component	50%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : 2nd Floor Mens Bathroom And Locker Room								
Explanation : No Exhaust Fan								
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
ENGINE CO. 289/LADDER CO. 138
Asset # : 13175

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%			2051	* *	1		
Brass/Copper	10%	0-2	$300	2051	* *	1		
Not Insulated, Extent : Moderate, Area Affected : 30%								
Location : Basement								
Water Heater								
Gas Fired	100%			2029	$5,300	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
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	99%							
Generic	1%			2024	$300	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.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **06-Jun-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **3804** **Lot** : **43**	**BIN**	: **3084622**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$212,900	
Electrical		$93,300
Mechanical		$117,600
Total	**$212,900**	**$211,000**
Importance Code A	$212,900	
Importance Code B		$211,000
Total	**$212,900**	**$211,000**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$61,300		$3,600	
Interior Architecture	$72,600	$900		$600
Electrical	$14,400	$400	$2,100	$300
Mechanical	$1,500	$1,200	$6,200	$1,300
Total	**$149,700**	**$2,500**	**$12,000**	**$2,300**
Importance Code A	$62,100	$800	$4,500	$800
Importance Code B	$59,000	$1,200	$7,400	$1,500
Importance Code C	$28,600	$500		
Total	**$149,700**	**$2,500**	**$12,000**	**$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. 290/LADDER CO. 103
Asset # : 13176

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								
Alum/Vinyl Siding	2%			2049	* *	10	$200	
Cast Stone/Terra Cotta	3%	Now	$14,700	LIFE	* *	5	$7,600	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Concrete Masonry Unit	5%	Now	$7,200	LIFE	* *	5	$1,000	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Masonry: Brick	83%	Now	$43,500	LIFE	* *	5	$27,000	1
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Masonry: Granite	2%			LIFE	* *	5	$500	
Metal Sect. OHD	5%			2042	* *	5	$5,100	
Windows								
Aluminum	100%	0-2	$5,400	2045	* *	5	$1,200	
Ctrwt/Balnc Not Funct, Extent : Light, Area Affected : 10%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	10%	Now	$5,500	LIFE	* *	5	$1,600	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Throughout								
Open Joints, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Masonry: Brick	35%	0-2	$8,800	LIFE	* *	5	$700	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 35%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Metal Panel	55%			2049	* *	5	$4,300	
Roof								
Asphalt Shingle	10%			2042	* *	10	$200	
Modified Bitumen	80%	0-2	$16,900	2024	$169,500			
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Main Roof, Hose Tower								
Modified Bitumen	10%			2034	* *	10	$1,500	
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. 290/LADDER CO. 103
Asset # : 13176

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%			LIFE	* *	5	$16,000	
Ceramic Tile	5%			2038	* *	5	$700	
Quarry Tile	10%			2042	* *	5	$2,200	
Vinyl Tile	35%	4+	$900	2034	* *	3	$1,900	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Throughout								
Interior Walls								
Ceramic Tile	5%			2038	* *	5	$1,000	
Gypsum Board	10%			LIFE	* *	5	$1,200	
Masonry: Brick	30%	Now	$24,400	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Basement								
Plaster	25%	Now	$4,200	LIFE	* *	5	$1,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
SGFT/Glazed Masonry	30%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	5%	0-2	$1,800	2034	* *	5	$400	
Broken/Missing Elements, Extent : Light, Area Affected : 20%								
Location : 1st And 2nd Floor								
Staining/Discoloring, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Exposed Concrete	20%	Now	$9,800	LIFE	* *	5	$400	
Cracking/Crumbling, Extent : Light, Area Affected : 15%								
Location : Throughout								
Exposed Struc: Steel	35%	4+	$22,400	LIFE	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Missing Fireproofing At Steel Beam In Cellar Boiler Room								
Corrosion/Rusting, Extent : Moderate, Area Affected : 2%								
Location : Cellar At Front								
Plaster	40%	0-2	$8,000	LIFE	* *	5	$3,600	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	* *			
Free Standing Walls								
Masonry: Brick	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			

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. 290/LADDER CO. 103
Asset # : 13176

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								
Asphalt	60%			2038	* *			
Cast in Place Concrete	40%			2042	* *			

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								
Molded Case Bkrs	100%			2029	$5,200	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 350 Ampere Main Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	$52,200	5	$200	
Raceway								
Conduit	100%			2029	$33,500	1		
Panelboards								
Molded Case Bkrs	100%			2028	$41,200	5	$200	
Wiring								
Thermoplastic	100%			2029	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
Fluorescent	20%			2034	* *	10	$1,600	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Alley, Basement								
LED	80%			2037	* *			
Exterior Lighting								
HID	100%	Now	$14,000	2034	* *			
Damaged Fixtures, Extent : Moderate, Area Affected : 40%								
Location : Building Perimeter								
Alarm								
Security System								
Generic	100%			2037	* *	1	$3,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Main Entrance And Alley								
Explanation : CCTV Cameras Installed By FDNY Personnel								

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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		
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%			2049	* *	1		
Conversion Equipment								
Hot Water Boiler	20%			2042	* *	1	$900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Located In Front Of Members Room								
Steam Boiler	80%			2042	* *	1	$6,900	
Distribution								
Hot Wtr Piping/Pump	20%			2051	* *	4	$100	
Central Plant Steam Piping/Pmp	80%			2029	$117,600	4	$300	
Terminal Devices								
Convector/Radiator	90%			2034	* *	1	$2,500	
Unit Heater - Steam	10%			2034	* *	4	$100	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	30%			2037	* *	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : 4 Split Units / 410 A Refrigerant								
Split Unit	30%			2034	* *			
Window/Wall Unit	20%			2024	$3,600	1		
No Component	20%							
Distribution								
Ductwork/Diffusers	30%			LIFE	* *	2	$3,400	
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$4,800	
Exhaust Fans								
Roof	50%			2029	$7,200	2	$100	
Wall Unit	50%			2029	$1,500	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2027	$5,300	2	$100	
Other Observation, Extent : Light, Area Affected : 2%								
Location : Basement								
Explanation : Two 75-gallon Units								
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. 290/LADDER CO. 103
Asset # : 13176

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								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$300	4	$300	
Backflow Preventer								
No Component	95%							
Generic	5%			2029	$100	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Boiler Only								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	2%			2027	$600	1-3	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Serves Cooking Area								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$301,200	
Interior Architecture	$302,400	
Electrical		$72,800
Mechanical		$64,000
Total	**$603,600**	**$136,800**
Importance Code A	$301,200	
Importance Code B	$236,900	$136,800
Importance Code C	$65,500	
Total	**$603,600**	**$136,800**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$74,300			
Interior Architecture	$92,700			$600
Electrical			$100	$100
Mechanical	$44,000	$1,200	$1,500	$1,200
Site Pavements	$2,000			
Total	**$213,100**	**$1,200**	**$1,600**	**$1,800**
Importance Code A	$75,200	$900	$900	$900
Importance Code B	$118,700	$300	$700	$1,000
Importance Code C	$19,200			
Total	**$213,100**	**$1,200**	**$1,600**	**$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		
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	8%	Now	$33,800	LIFE	* *	5	$17,500	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
Location : Main Facade								
Copper/Terne	2%	Now	$85,300	2081	* *			
Corrosion/Rusting, Extent : Severe, Area Affected : 100%								
Location : Copper Fascia, Metropolitan Avenue								
Seams Open/Split, Extent : Moderate, Area Affected : 50%								
Location : Copper Fascia								
Masonry: Brick	80%	4+	$215,900	LIFE	* *	5	$22,300	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 2%								
Location : Metropolitan Avenue And Hose Tower								
Masonry: Granite	5%	2-4	$9,000	LIFE	* *	5	$1,000	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Door Jambs								
Wood Overhead Doors	5%	2-4	$2,400	2036	* *	5	$3,500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Glass Window Panes								
Windows								
Aluminum	100%	Now	$18,700	2039	* *	5	$300	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%								
Location : 2nd Floor Windows								
Unit Inoperable, Extent : Severe, Area Affected : 100%								
Location : 3rd Floor Rear In Lower Sash Out Of Frame, One Unit								
Parapets								
Cast Stone/Terra Cotta	30%			LIFE	* *	5-10	$8,700	
Masonry: Brick	70%			LIFE	* *	5-10	$4,900	
Roof								
Modified Bitumen	100%			2039	* *	10	$10,200	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Upper And Lower Roof								
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		
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	$80,300	LIFE	* *	5	$12,700	
Worn/Eroded, Extent : Light, Area Affected : 100%								
Location : 2nd Floor Bunkroom								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Apparatus								
Explanation : Steel Columns Shoring Up Apparatus Room Floor From Basement Repair And Replacement Required								
Ceramic Tile	8%	0-2	$1,100	2034	* *	5	$500	
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : 2nd And 3rd Floor Bathroom								
Marble Panels	4%	Now	$39,800	LIFE	* *	5	$400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 100%								
Location : Stairs								
Quarry Tile	5%	2-4	$1,000	2036	* *	5	$500	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Kitchen								
Vinyl Tile	20%	Now	$23,300	2041	* *	3	$1,000	
Broken/Missing Elements, Extent : Moderate, Area Affected : 100%								
Location : Throughout 2nd Floor								
Worn/Eroded, Extent : Severe, Area Affected : 75%								
Location : 2nd Floor Corridor And Office								
Vinyl Tile 9" X 9"	18%	Now	$27,200	2041	* *	3	$900	
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : 2nd And 3rd Floor								
Interior Walls								
Ceramic Tile	30%	2-4	$11,600	2034	* *	5	$1,600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Kitchen, Bathrooms								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Room								
Explanation : Historic Tiles In Need Of Restoration, Cleaning								
Gypsum Board	10%	4+	$200	LIFE	* *	5	$600	
Paint Peeling, Extent : Light, Area Affected : 10%								
Location : 2nd And 3rd Floor Bunkrooms And Gymnasium								
Masonry: Brick	30%	Now	$65,500	LIFE	* *			
Paint Peeling, Extent : Severe, Area Affected : 70%								
Location : Throughout Basement, Hose Tower								
Water Penetration, Extent : Moderate, Area Affected : 75%								
Location : Rear Cellar								
Plaster	30%	2-4	$5,400	LIFE	* *	5	$900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : Stairs, 2nd Floor Office								
Paint Peeling, Extent : Light, Area Affected : 10%								
Location : Bath And Stair								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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%	0-2	$21,100	2044	* *	5	$2,400	
Staining/Discoloring, Extent : Moderate, Area Affected : 5%								
Location : Kitchen								
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Kitchen								
Exposed Concrete	25%	0-2	$116,800	LIFE	* *	5	$400	
Paint Peeling, Extent : Moderate, Area Affected : 75%								
Location : Cellar								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Cellar								
Explanation : Ceiling Is Temporarily Shored With Steel Columns To Support Truck Loads								
Gypsum Board	30%	4+	$1,800	LIFE	* *	5	$4,100	
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : 3rd Floor Bunkroom								
Recent Installation, Extent : Light, Area Affected : 50%								
Location : 2nd Floor								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2051	* *			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	4+	$500	2044	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Side Alley								
Parking/Driveway								
Cast in Place Concrete	100%	4+	$1,500	2044	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Apron								

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	$5,200	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	$52,200	5	$200	
Raceway								
Conduit	100%			2031	$33,500	1		
Panelboards								
Molded Case Bkrs	50%			2039	* *	5	$100	
Molded Case Bkrs	50%			2030	$20,600	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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Wiring								
Thermoplastic	50%			2041	* *	1		
Thermoplastic	50%			2031	$14,800	1		
Motor Controllers								
Locally Mounted	100%			2029	$15,400	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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	20%			2041	* *	1		
Natural Gas	80%	Now	$800	2061	* *	1		
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Cellar								
Explanation : All Distribution Piping Are Extremely Corroded From Apparatus Floor Leak.								
Conversion Equipment								
Steam Boiler	100%			2048	* *	1	$8,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Cellar								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	10%	0-2	$200	2041	* *			
Insul. Deteriorating, Extent : Moderate, Area Affected : 30%								
Location : Cellar								
Steam Piping/Pump	90%			2041	* *			
Terminal Devices								
Convector/Radiator	100%	0-2	$4,600	2036	* *	1	$2,500	
Other Observation, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Floor								
Explanation : Not Sufficient Heat								
Air Conditioning								
Energy Source								
Electricity	100%			2047	* *	1		
Conversion Equipment								
Window/Wall Unit	70%			2026	$12,500	1		
No Component	30%							

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FIRE DEPARTMENT - 057
ENGINE CO. 291/LADDER CO. 140
Asset # : 13177

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	10%			LIFE	* *	2-5	$800	
No Component	90%							
Exhaust Fans								
Roof	10%			2031	$1,400	2		
Wall Unit	20%	0-2	$600	2041	* *	2		
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Floor								
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2031	$64,000	1		
Water Heater								
Gas Fired	100%			2029	$5,200	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Only One 75 Gallon Unit. Not Enough Capacity For The Users.								
Sanitary Piping								
Cast Iron	50%	0-2	$1,600	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 20%								
Location : Basement And Apparatus Floor								
Cast Iron	50%	Now	$31,400	LIFE	* *	1		
Corroded, Extent : Severe, Area Affected : 100%								
Location : Cellar								
Storm Drain Piping								
Cast Iron	100%	Now	$3,600	LIFE	* *	1		
Corroded, Extent : Severe, Area Affected : 20%								
Location : Basement								
Sump Pump(s)								
Submersible	100%			2024	$300	4	$300	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2026	$300	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.
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*** Replacement cost estimated to be beyond ten years is not included in this report.*

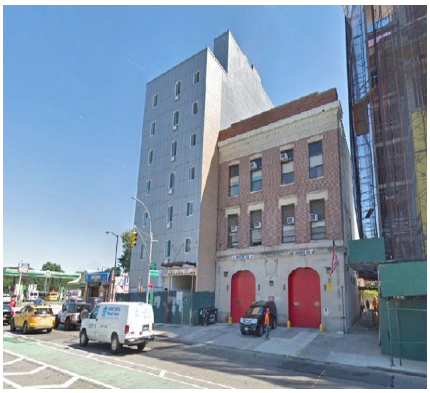
Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$488,900	$105,600
Interior Architecture	$87,300	
Total	**$576,200**	**$105,600**
Importance Code A	$488,900	$105,600
Importance Code B	$43,700	
Importance Code C	$43,600	
Total	**$576,200**	**$105,600**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$21,700	$4,400		
Interior Architecture	$59,100		$700	
Electrical	$100		$100	
Mechanical	$8,600	$1,100	$1,400	$1,100
Total	**$89,500**	**$5,600**	**$2,200**	**$1,100**
Importance Code A	$22,400	$5,200	$800	$800
Importance Code B	$34,400	$400	$1,500	$300
Importance Code C	$32,600			
Total	**$89,500**	**$5,600**	**$2,200**	**$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. 292/RESCUE CO. 4
Asset # : 13178

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	73%	Now	$200,700	LIFE	* *	5	$20,800	
Diagonal Cracks, Extent : Severe, Area Affected : 10%								
Location : Side Elevations								
Horizontal Cracks, Extent : Severe, Area Affected : 15%								
Location : Throughout, Except Front Facade								
Misaligned/Bulging, Extent : Severe, Area Affected : 10%								
Location : 64th Street Facade								
Paint Peeling, Extent : Severe, Area Affected : 75%								
Location : Sides And Rear								
Masonry: Granite	2%	4+	$1,400	LIFE	* *	5	$400	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Base At Garage Corners								
Masonry: Limestone	10%	Now	$110,500	LIFE	* *	5	$2,100	
Broken/Missing Elements, Extent : Severe, Area Affected : 2%								
Location : Cornice								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 100%								
Location : Cornice								
Loose Units, Extent : Moderate, Area Affected : 5%								
Location : Cornice								
Staining/Discoloring, Extent : Severe, Area Affected : 20%								
Location : Cornice And Crown Banding At First Floor								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Lintels And Sills At Second Floor								
Metal Sect. OHD	10%			2048	* *	5	$8,900	
Recent Repair Evident, Extent : Light, Area Affected : 100%								
Location : Front Garage Doors								
Stucco Cement	5%			2051	* *	5	$3,600	
Repairs in Progress, Extent : Light, Area Affected : 100%								
Location : Kitchen Extension								
Windows								
Aluminum	100%	Now	$139,500	2056	* *	5	$1,600	
Air Infiltration, Extent : Severe, Area Affected : 75%								
Location : Throughout								
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Weather Strip Missing, Extent : Severe, Area Affected : 20%								
Location : Seals/ Gaskets At Windows Broken								

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. 292/RESCUE CO. 4
Asset # : 13178

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	25%			LIFE	* *	5-10	$19,500	
Masonry: Brick	75%	Now	$38,200	LIFE	* *	5	$2,100	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%								
Location : All Roofs								
Paint Peeling, Extent : Severe, Area Affected : 25%								
Location : Rear And Side Facades								
Vegetation Growth, Extent : Moderate, Area Affected : 5%								
Location : Rear And Front Facade								
Roof								
Modified Bitumen	80%			2031	$105,600	10	$7,300	
Roll Roofing	15%	Now	$6,000	2033	* *	5	$1,100	
Split/Cracked, Extent : Severe, Area Affected : 20%								
Location : Leaks Evident To 3rd Floor								
Skylight, Metal/Glass	5%			2041	* *	10	$1,500	
Interior								
Floors								
Cast in Place Concrete	65%	Now	$18,300	LIFE	* *	5	$18,100	
Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
Location : Workout Room On Third Floor								
Other Observation, Extent : Severe, Area Affected : 1%								
Location : Second Floor								
Explanation : Finished Floor Missing In Foyer To Officers Rooms								
Ceramic Tile	5%			2034	* *	5	$600	
Quarry Tile	3%	Now	$600	2036	* *	5	$300	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Kitchen								
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Kitchen								
Vinyl Tile	25%			2036	* *	3	$1,200	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Second Floor								
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		
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	$2,600	2034	* *	5	$900	
Adhesion Failure, Extent : Severe, Area Affected : 5%								
Location : Third And Second Floor Bathrooms								
Gypsum Board	30%	Now	$1,200	LIFE	* *	5	$3,100	
Horizontal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Third Floor Bathroom								
Masonry: Brick	20%	Now	$43,600	LIFE	* *			
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : Throughout Exposed Brick								
Staining/Discoloring, Extent : Severe, Area Affected : 20%								
Location : Rear Facade In Bunker Room At Second Floor								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Basement At Front And East Wall, Rear Facade In Bunker Room At Second Floor								
SGFT/Glazed Masonry	40%	Now	$28,900	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Aparatus Floor								
Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Aparatus Floor								
Ceilings								
AcousTileSusp.Lay-In	10%	Now	$1,100	2036	* *	5	$600	
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Second And Third Floor								
AcousTileSusp.Lay-In	20%	4+	$1,100	2048	* *	5	$1,300	
Staining/Discoloring, Extent : Moderate, Area Affected : 5%								
Location : Second Floor								
Exposed Concrete	50%	Now	$43,700	LIFE	* *	5	$1,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : Basement Rear								
Exposed Reinforcement, Extent : Severe, Area Affected : 10%								
Location : Basement Rear								
Exposed Struc: Steel	10%			LIFE	* *	10	$2,500	
Gypsum Board	10%			LIFE	* *	5-10	$4,400	
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	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Driveway								
Explanation : Shed For Next Door Construction								

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FIRE DEPARTMENT - 057
ENGINE CO. 292/RESCUE CO. 4
Asset # : 13178

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%			2041	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Ampere Main Disconnect Switch								
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	$200	
Lighting								
Interior Lighting								
Fluorescent	50%			2036	* *	10	$3,500	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
LED	50%			2039	* *			
Egress Lighting								
Exit, Service	50%			2031	$500	1		
No Component	50%							
Exterior Lighting								
LED	30%			2039	* *			
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								
Energy Source								
Natural Gas	100%			2051	* *	1		
Conversion Equipment								
Steam Boiler	100%			2044	* *	1	$7,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Under Size Unit								

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FIRE DEPARTMENT - 057
ENGINE CO. 292/RESCUE CO. 4
Asset # : 13178

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								
Steam Piping/Pump	100%	0-2	$700	2051	* *			
Malfunctioning, Extent : Moderate, Area Affected : 10%								
Location : The Only Thermostat In Building, 2nd Floor								
Terminal Devices								
Convector/Radiator	100%	0-2	$2,100	2036	* *	1	$2,200	
Loose, Extent : Moderate, Area Affected : 20%								
Location : Valves, Various Locations								
Air Conditioning								
Energy Source								
Electricity	100%			2047	* *	1		
Conversion Equipment								
Split Unit	25%			2036	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : 3rd Floor								
Explanation : Four Units. R-410a								
Window/Wall Unit	35%			2026	$5,600	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	$1,000	
No Component	85%							
Exhaust Fans								
Interior	25%	0-2	$4,100	2036	* *	2		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : All Floors								
Explanation : No Exhaust Fan For 2 Bathrooms In 2nd Floor. The Other Bathrooms And Kitchen Exhaust Fans Are Working Poorly.								
Wall Unit	20%			2031	$500	2		
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : One Under Size Wall Fan For Apparatus Floor, Poor Ventilation.								
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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Water Heater								
Gas Fired	100%			2029	$4,700	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 2%								
Location : Basement Ceiling								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$300	4	$200	
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.
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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **05-May-2016**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **8968** **Lot** : **25**	**BIN**	: **4185536**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$172,000	$94,500
Interior Architecture	$35,100	
Electrical		$41,200
Total	**$207,200**	**$135,700**
Importance Code A	$172,000	$94,500
Importance Code B	$35,100	$41,200
Total	**$207,200**	**$135,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$68,700			$500
Interior Architecture	$45,400			$600
Electrical	$34,500			$15,400
Mechanical	$12,500	$600	$500	$3,200
Site Enclosure				$7,700
Total	**$161,100**	**$600**	**$600**	**$27,400**
Importance Code A	$74,300	$400	$400	$1,000
Importance Code B	$63,200	$100	$100	$18,800
Importance Code C	$23,600			$7,700
Total	**$161,100**	**$600**	**$600**	**$27,400**



Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 293
Asset # : 13179

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	$134,200	LIFE	* *	5	$13,900	
Horizontal Cracks, Extent : Moderate, Area Affected : 5%								
Location : West Facade								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 35%								
Location : Throughout								
Misaligned/Bulging, Extent : Moderate, Area Affected : 10%								
Location : North Facade								
Vegetation Growth, Extent : Severe, Area Affected : 30%								
Location : West And South Facades								
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : North And East Facades								
Other Observation, Extent : Moderate, Area Affected : 65%								
Location : East And North Facades								
Explanation : Safety Net Installed								
Masonry: Limestone	10%	Now	$23,100	LIFE	* *	5	$1,500	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
Location : East Facade								
Metal Panel	5%	Now	$2,300	2037	* *	5	$1,900	1
Deformed/Dented, Extent : Severe, Area Affected : 10%								
Location : Hose Tower								
Deteriorated Finish, Extent : Moderate, Area Affected : 50%								
Location : Hose Tower								
Seams Open/Split, Extent : Severe, Area Affected : 20%								
Location : Hose Tower								
Wood Overhead Doors	15%			2032	* *	5	$14,900	
Windows								
Aluminum	100%			2035	* *	5	$1,100	

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FIRE DEPARTMENT - 057
ENGINE CO. 293
Asset # : 13179

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	$1,400	LIFE	* *	5	$800	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 25%								
Location : Coping								
Open Joints, Extent : Severe, Area Affected : 70%								
Location : Coping								
Masonry: Brick	25%	Now	$6,200	LIFE	* *	5	$500	
Loose/Delam Surface, Extent : Severe, Area Affected : 50%								
Location : Interior Face								
Misaligned/Bulging, Extent : Moderate, Area Affected : 25%								
Location : Interior Face								
Worn/Eroded, Extent : Severe, Area Affected : 25%								
Location : Interior Face								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Interior Face								
Explanation : Stucco On Brick, Stucco Has Completely Peeled Away From Brick								
Masonry: Brick	60%	Now	$22,400	LIFE	* *	5	$1,200	1
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Vegetation Growth, Extent : Severe, Area Affected : 50%								
Location : West And South Facades								
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Other Observation, Extent : Moderate, Area Affected : 75%								
Location : North And East Facades								
Explanation : Safety Net Installed								
Masonry: Limestone	5%	4+	$5,600	LIFE	* *	5	$100	
Broken/Missing Elements, Extent : Light, Area Affected : 20%								
Location : Main Roof								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%								
Location : Mian Roof								
Worn/Eroded, Extent : Moderate, Area Affected : 60%								
Location : Main Roof								
Metal Panel	5%			2047	* *	5	$400	
Roof								
Modified Bitumen	100%	Now	$37,800	2027	$94,500			1
Alligatoring, Extent : Severe, Area Affected : 30%								
Location : Lower Roof								
Miss/Damaged Flashings, Extent : Severe, Area Affected : 50%								
Location : Various Locations Along Parapet								
Interior								

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FIRE DEPARTMENT - 057

ENGINE CO. 293

Asset # : 13179

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	$35,100	LIFE	* *	5	$6,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Room								
Other Observation, Extent : Moderate, Area Affected : 50%								
Location : Basement								
Explanation : Apparatus Room Floor Is Shored Up By Several Steel I Beams And Lally Columns								
Ceramic Tile	5%			2036	* *	5	$300	
Quarry Tile	5%			2040	* *	5	$500	
Vinyl Tile	40%	4+	$500	2027	$23,000	3	$900	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : 2nd Floor Locker Area								
Interior Walls								
Ceramic Tile	30%			2036	* *	5	$3,300	
Masonry: Brick	25%	Now	$22,600	LIFE	* *			
Spalling, Extent : Severe, Area Affected : 20%								
Location : Basement								
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : Basement								
Plaster	35%			LIFE	* *	5	$1,100	
Plaster	10%	Now	$900	LIFE	* *	5	$300	
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Second Floor Locker Room And Office								
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : Second Floor Locker Room And Office								
Ceilings								
AcousTileSusp.Lay-In	10%	Now	$500	2032	* *	5	$300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Kitchen								
Staining/Discoloring, Extent : Moderate, Area Affected : 25%								
Location : Kitchen								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Bathroom And Kitchen								
Embossed Metal	60%	Now	$20,900	LIFE	* *	5	$1,700	
Bent/Warped Elements, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Floor And Second Floor								
Deformed/Dented, Extent : Moderate, Area Affected : 25%								
Location : Apparatus Floor And Second Floor								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Office Over Windows								
Exposed Concrete	30%			LIFE	* *	5	$300	
Site Enclosure								
Fence/Gates								
Chain Link	60%			2047	* *			
Wood	40%			2025	$7,700			

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FIRE DEPARTMENT - 057
ENGINE CO. 293
Asset # : 13179

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								
On-Site Walkways								
Cast in Place Concrete	100%			2040	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2032	* *			

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								
Molded Case Bkrs	100%	0-2	$5,200	2057	* *	5	$100	
Suspect Water Damage, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Main Service Switch Rated At 400 Amperes								
Raceway								
Conduit	90%			2027	$30,100	1		
Conduit	10%			2037	* *	1		
Panelboards								
Molded Case Bkrs	100%			2026	$41,200	5	$100	
Wiring								
Thermoplastic	50%			2027	$14,800	1		
Thermoplastic	50%			2037	* *	1		
Motor Controllers								
Locally Mounted	100%			2025	$15,400	5		
Ground								
Grounding Devices								
Generic	100%	0-2	$1,000	LIFE	* *	5	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : Ground Wire Connection To Water Pipe Is Corroded.								
Lighting								

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FIRE DEPARTMENT - 057
ENGINE CO. 293
Asset # : 13179

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	75%			2022	$9,200	10	$2,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-12 Lamps								
Fluorescent	5%			2022	$600	10	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : T-8 Lamps								
Fluorescent	15%	Now	$1,800	2037	* *			
Not in Service, Extent : Severe, Area Affected : 100%								
Location : First And Second Floor								
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : First And Second Floor								
Incandescent	5%			2022	$1,400	2		
Exterior Lighting								
Fluorescent	20%	Now	$2,900	2037	* *			
Not in Service, Extent : Severe, Area Affected : 100%								
Location : Back Patio								
HID	50%			2022	$8,500	10		
HID	30%			2027	$5,100	10		
Alarm								
Fire/Smoke Detection								
No Component	95%							
Generic, Digital	5%	Now	$700	2032	* *	1-3	$100	
Devices Missing, Extent : Moderate, Area Affected : 100%								
Location : Throughout Building								
Local/Battery Operated Detect, Extent : Light, Area Affected : 100%								
Location : Throughout Building								

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%	0-2	$100	2047	* *	1		
Corroded, Extent : Moderate, Area Affected : 40%								
Location : Basement								
Conversion Equipment								
Steam Boiler	100%			2040	* *	1	$4,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								

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FIRE DEPARTMENT - 057
ENGINE CO. 293
Asset # : 13179

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								
Central Plant Steam Piping/Pmp	100%			2037	* *	4	$200	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : No Insulation And No Dielectric Fittings								
Terminal Devices								
Convector/Radiator	90%			2032	* *	1	$1,200	
Unit Heater - Steam	10%			2022	$1,500	4	$100	
Air Conditioning								
Energy Source								
Electricity	100%			2035	* *	1		
Conversion Equipment								
Window/Wall Unit	50%			2022	$4,400	1		
No Component	50%							
Ventilation								
Exhaust Fans								
Interior	10%	Now	$1,500	2037	* *	2		
Broken, Extent : Moderate, Area Affected : 100%								
Location : Bathrooms								
Roof	10%	Now	$700	2037	* *	2		
Broken, Extent : Moderate, Area Affected : 100%								
Location : Kitchen Hood								
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	90%			2037	* *	1		
Antiquated, Extent : Moderate, Area Affected : 100%								
Location : Water Service From Street								
Brass/Copper	10%	Now	$1,600	2037	* *	1		
Not in Service, Extent : Moderate, Area Affected : 50%								
Location : Womens Bathroom								
Water Heater								
Gas Fired	100%			2025	$2,600	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : (1) 75 Gallon Unit								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%	0-2	$1,800	LIFE	* *	1		
Corroded, Extent : Moderate, Area Affected : 50%								
Location : Basement								

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FIRE DEPARTMENT - 057
ENGINE CO. 293
Asset # : 13179

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								
Sump Pump(s)								
Non-Submersible	100%	Now	$400	2037	* *	4	$100	
Broken, Extent : Severe, Area Affected : 100%								
Location : Basement								
Other Observation, Extent : Severe, Area Affected : 10%								
Location : Basement								
Explanation : Flooding Condition								
Fixtures								
Generic	100%							
Obsolete Fixtures, Extent : Light, Area Affected : 100%								
Location : Bathrooms								

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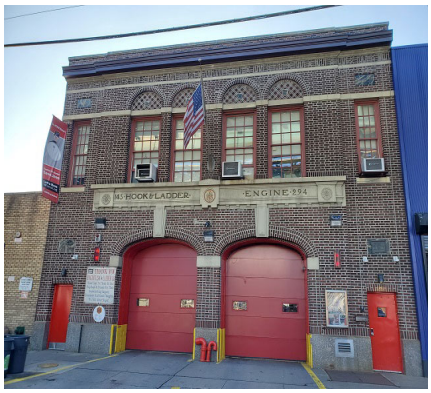
Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$112,000	$145,400
Interior Architecture	$154,400	$42,700
Electrical		$60,400
Total	**$266,400**	**$248,400**
Importance Code A	$112,000	$145,400
Importance Code B	$107,600	$103,100
Importance Code C	$46,800	
Total	**$266,400**	**$248,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$42,800			
Interior Architecture	$68,500		$4,900	$600
Electrical	$6,000		$100	
Mechanical	$22,100	$1,000	$1,600	$1,000
Site Pavements	$1,600			
Total	**$141,100**	**$1,000**	**$6,600**	**$1,600**
Importance Code A	$43,500	$700	$700	$700
Importance Code B	$73,700	$300	$3,100	$900
Importance Code C	$23,800		$2,800	
Total	**$141,100**	**$1,000**	**$6,600**	**$1,600**



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FIRE DEPARTMENT - 057
ENGINE CO. 294/LADDER CO. 143
Asset # : 13180

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	80%	Now	$68,400	LIFE	* *	5	$21,200	
Paint Peeling, Extent : Moderate, Area Affected : 10%								
Location : East And South Facade								
Spalling, Extent : Moderate, Area Affected : 2%								
Location : East Side Yard								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Southeast Corner Of Walls								
Masonry: Granite	5%			LIFE	* *	5	$2,000	
Masonry: Limestone	5%			LIFE	* *	5	$2,000	
Metal Sect. OHD	10%			2036	* *	5	$8,300	
Windows								
Aluminum	85%	Now	$24,100	2039	* *	5	$900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 25%								
Location : Throughout								
Other Observation, Extent : Light, Area Affected : 15%								
Location : Throughout								
Explanation : Missing And Or Broken Insect Screens								
Wood	15%	Now	$1,900	2039	* *	5	$1,600	
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 100%								
Location : 2nd Floor North								
Parapets								
Cast Stone/Terra Cotta	10%	4+	$700	LIFE	* *	5	$2,100	
Staining/Discoloring, Extent : Light, Area Affected : 10%								
Location : Coping Stones								
Masonry: Brick	85%	Now	$14,100	LIFE	* *	5	$2,300	
Paint Peeling, Extent : Severe, Area Affected : 20%								
Location : Interior Facade								
Spalling, Extent : Moderate, Area Affected : 5%								
Location : Parapet Near Roof Hatch								
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		
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	$43,600	2031	$145,400			
Alligatoring, Extent : Moderate, Area Affected : 10%								
Location : Perimeter At Parapet Flashing								
Blisters, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
Location : Pitch Pockets At Roof Failed								
Miss/Damaged Flashings, Extent : Severe, Area Affected : 5%								
Location : At Parapet Wall Next To Hatch								
Ponding, Extent : Severe, Area Affected : 5%								
Location : Main Roof								
Ridging, Extent : Severe, Area Affected : 5%								
Location : Main Roof								
Interior								
Floors								
Cast in Place Concrete	43%	Now	$29,900	LIFE	* *	5	$9,800	
Cracking/Crumbling, Extent : Severe, Area Affected : 35%								
Location : Throughout Cellar								
Ponding, Extent : Severe, Area Affected : 40%								
Location : Throughout Cellar								
Uneven Substrate, Extent : Severe, Area Affected : 75%								
Location : Cellar								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : Apparatus Floor Temporarily Supported With Columns To Support Trucks, Permanent Repair Is Required								
Ceramic Tile	9%	0-2	$1,000	2040	* *	5	$500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Kitchen And Marble Saddle To Kitchen								
Terrazzo	1%	Now	$300	LIFE	* *	5	$100	
Horizontal Cracks, Extent : Severe, Area Affected : 5%								
Location : Second Floor Shower Pan								
Vinyl Tile	45%	Now	$8,500	2031	$42,700	3	$1,800	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Closets On Second Floor								
Cracking/Crumbling, Extent : Severe, Area Affected : 35%								
Location : Second Floor At Multiple Locations								
Worn/Eroded, Extent : Severe, Area Affected : 50%								
Location : Second Floor								
Wood	2%	Now	$400	2046	* *	5	$200	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Stair Treads To Basement Are Wood								
Explanation : Replace With Nonslip Steel Per Original								

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FIRE DEPARTMENT - 057
ENGINE CO. 294/LADDER CO. 143
Asset # : 13180

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	$3,300	2040	* *	5	$1,100	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Kitchen And Second Floor Bathroom								
Cracking/Crumbling, Extent : Severe, Area Affected : 3%								
Location : Kitchen								
Ceramic Tile	25%			2034	* *	5	$5,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : Tile Is Painted Over								
Gypsum Board	5%	4+	$100	LIFE	* *	5	$700	
Punct/Tear/Impact Damage, Extent : Light, Area Affected : 2%								
Location : Bathrooms								
Masonry: Brick	25%	Now	$46,800	LIFE	* *			
Paint Peeling, Extent : Moderate, Area Affected : 90%								
Location : Cellar								
Vertical Cracks, Extent : Severe, Area Affected : 2%								
Location : Cellar								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Cellar Front								
Worn/Eroded, Extent : Moderate, Area Affected : 40%								
Location : Cellar Street Front								
Plaster	35%	Now	$20,200	LIFE	* *	5	$2,400	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Second Floor Interior Closets And At Second Floor Fire Pole Wall								
Loose/Delam Surface, Extent : Severe, Area Affected : 2%								
Location : Handrail To Cellar								
Paint Peeling, Extent : Severe, Area Affected : 25%								
Location : Cellar Stairs And Scuttle To Roof								
Water Penetration, Extent : Severe, Area Affected : 25%								
Location : 2nd Floor Gymnasium, Locker Room, Office 2nd Floor And Cellar Stairs, Window Openings								

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FIRE DEPARTMENT - 057
ENGINE CO. 294/LADDER CO. 143
Asset # : 13180

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	40%			2044	* *	5	$4,200	
Exposed Concrete	30%	Now	$107,600	LIFE	* *	5	$500	
Cracking/Crumbling, Extent : Severe, Area Affected : 40%								
Location : Cellar								
Diagonal Cracks, Extent : Severe, Area Affected : 2%								
Location : Beams In Cellar								
Exposed Reinforcement, Extent : Severe, Area Affected : 10%								
Location : Expose Reinforcing Bars And Exposed Steel Incased In Concrete In Cellar								
Loose/Delam Surface, Extent : Severe, Area Affected : 25%								
Location : Throughout Cellar								
Paint Peeling, Extent : Severe, Area Affected : 90%								
Location : Cellar								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Cellar Below Apparatus Floor								
Explanation : Temporarily Shored By Steel Columns For Support, Future Repair And Replacement Is Required								
Gypsum Board	5%			LIFE	* *	5-10	$1,800	
Plaster	25%	Now	$3,700	LIFE	* *	5	$1,600	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Near Fire Pole And At Various Penetration On Apparatus Floor								
Paint Peeling, Extent : Severe, Area Affected : 5%								
Location : Apparatus Flooor								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rear Fence In Backyard								
Explanation : Covered With Plastic Sheet For Privacy								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	$1,400	2044	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : Front Of Firehouse								
Other Observation, Extent : Severe, Area Affected : 5%								
Location : Front Sidewalk								
Explanation : Water Penetrating Into Cellar From Sidewalk								
On-Site Walkways								
Cast in Place Concrete	100%	Now	$200	2036	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Rear And Side Walkway								
Loose/Delam Surface, Extent : Moderate, Area Affected : 5%								
Location : Rear Walkway								
Other Observation, Extent : Severe, Area Affected : 10%								
Location : Rear Walkway								
Explanation : Patching								

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

FIRE DEPARTMENT - 057
ENGINE CO. 294/LADDER CO. 143
Asset # : 13180

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								
Molded Case Bkrs	100%			2031	$5,200	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Amperes								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	$52,200	5	$200	
Raceway								
Conduit	90%			2031	$30,100	1		
Conduit	10%			2041	* *	1		
Panelboards								
Fused Disc Sw	5%			2030	$2,100	5		
Molded Case Bkrs	75%			2039	* *	5	$100	
Molded Case Bkrs	20%			2030	$8,200	5		
Wiring								
Braided Cloth	20%	4+	$5,900	2056	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Thermoplastic	60%			2041	* *	1		
Thermoplastic	20%			2031	$5,900	1		
Motor Controllers								
Locally Mounted	100%			2036	* *	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Lighting								
Interior Lighting								
Fluorescent	85%			2036	* *	10	$5,400	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement, First And Second Floor								
Fluorescent	10%			2036	* *	10	$600	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Basement								
LED	5%			2039	* *			
Egress Lighting								
Emergency, Battery	50%			2031	$5,000	10	$800	
Exit, Service	50%			2031	$400	1		
Exterior Lighting								
HID	30%			2031	$8,400	10		
No Component	70%							
Alarm								
Security System								
No Component	95%							
Generic	5%			2031	$1,100	1	$100	

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FIRE DEPARTMENT - 057
ENGINE CO. 294/LADDER CO. 143
Asset # : 13180

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	40%			2051	* *	1		
Natural Gas	60%	0-2	$500	2061	* *	1		
Corroded, Extent : Severe, Area Affected : 100%								
Location : Cellar Mechanical Room								
Conversion Equipment								
Steam Boiler	100%			2044	* *	1	$6,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	90%			2041	* *			
Steam Piping/Pump	10%	0-2	$3,100	2061	* *			
Corroded, Extent : Severe, Area Affected : 100%								
Location : Cellar Mechanical Room								
Terminal Devices								
Convector/Radiator	95%			2044	* *	1	$2,100	
Unit Heater - Steam	5%			2026	$1,200	4		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : 1 Unit Heater								
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Split Unit	30%	0-2	$4,500	2036	* *			
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Side Wall								
Explanation : 3 Units, 2 Out Of 3 Inefficient Units. R-410a								
Window/Wall Unit	40%			2026	$5,800	1		
No Component	30%							
Terminal Devices								
Fan Coil - 2 Pipe	30%			2036	* *	1	$700	
No Component	70%							
Heat Rejection								
Air Cooled Condenser Unit	30%			2036	* *	2	$1,500	
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2-5	$1,200	
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. 294/LADDER CO. 143
Asset # : 13180

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								
Roof	20%			2031	$2,300	2		
Wall Unit	20%	0-2	$500	2041	* *	2		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : In Extented Life Time And Inefficient Unit								
No Component	60%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2026	$4,300	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Cellar Mechanical Room								
Explanation : Two 75 Gallon Heaters								
Sanitary Piping								
Cast Iron	100%	0-2	$10,200	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor Main Bathroom, 1st Floor Main Entrance And Front Side Of Basement								
Corroded, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Storm Drain Piping								
Cast Iron	100%	0-2	$1,500	LIFE	* *	1		
Corroded, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Sump Pump(s)								
Submersible	100%			2024	$200	4	$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2026	$300	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.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **11-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2,3**		
Block	: **4505** **Lot** : **7**	**BIN**	: **4102462**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$192,700	$105,100
Interior Architecture	$205,600	
Electrical		$60,400
Total	**$398,300**	**$165,500**
Importance Code A	$192,700	$105,100
Importance Code B	$66,000	$60,400
Importance Code C	$139,600	
Total	**$398,300**	**$165,500**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$36,300	$5,300		
Interior Architecture	$73,700	$4,000		$600
Electrical	$10,200		$6,300	
Mechanical	$10,200	$1,500	$1,900	$1,300
Site Enclosure	$7,100			
Site Pavements	$15,300			
Total	**$152,800**	**$10,800**	**$8,200**	**$1,900**
Importance Code A	$37,000	$6,000	$800	$800
Importance Code B	$84,800	$1,100	$7,400	$1,200
Importance Code C	$30,900	$3,700		
Total	**$152,800**	**$10,800**	**$8,200**	**$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. 295/LADDER CO. 144
Asset # : 13181

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								
Copper/Terne	3%	Now	$7,000	2064	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : At Cornice								
Masonry: Brick	70%	Now	$68,900	LIFE	* *	5	$21,400	1
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Rear Facade								
Horizontal Cracks, Extent : Light, Area Affected : 5%								
Location : 3rd Floor Rear Wall								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 25%								
Location : Throughout								
Paint Peeling, Extent : Moderate, Area Affected : 10%								
Location : Left, Right And Rear Facades								
Vertical Cracks, Extent : Severe, Area Affected : 20%								
Location : 3rd Floor Rear Wall And Side Elevations Near Corners								
Masonry: Granite	5%	4+	$9,600	LIFE	* *	5	$1,100	
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%								
Location : Front Facade. Left Side								
Masonry: Limestone	10%			LIFE	* *	5	$2,300	
Wood Overhead Doors	12%	Now	$123,900	2049	* *	5	$9,200	
Worn/Eroded, Extent : Severe, Area Affected : 100%								
Location : Front Apparatus Bay Doors								
Windows								
Aluminum	95%			2051	* *	5	$2,800	
Aluminum	5%	0-2	$6,600	2054	* *	5	$100	
Corrosion/Rusting, Extent : Moderate, Area Affected : 100%								
Location : Steel Lintels At Rear 3rd Floor								
Parapets								
Cast Stone/Terra Cotta	15%			LIFE	* *	5	$3,000	
Copper/Terne	85%			2073	* *	5	$10,600	
Roof								
Modified Bitumen	73%			2029	$105,100	10	$7,300	
Roll Roofing	25%			2022	$10,900	5	$4,100	
Skylight, Metal/Glass	2%			2039	* *	10	$700	
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 295/LADDER CO. 144
Asset # : 13181

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%	4+	$28,400	LIFE	* *	5	$14,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Room Floor								
Other Observation, Extent : Severe, Area Affected : 40%								
Location : Basement								
Explanation : Temporary Steel Beams And Columns Shoring Up Apparatus Room Floor From Basement								
Ceramic Tile	5%			2038	* *	5	$600	
Marble Panels	2%	4+	$1,000	LIFE	* *	5	$200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : Stairs								
Quarry Tile	5%	4+	$1,000	2042	* *	5	$500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : Kitchen Area								
Steel Plate	2%	Now	$7,500	LIFE	* *	1		
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Stair To Basement, Several Loose Treads								
Corrosion/Rusting, Extent : Severe, Area Affected : 25%								
Location : Stair To Basement								
Vinyl Tile	36%	Now	$12,500	2037	* *	3	$1,700	
Broken/Missing Elements, Extent : Severe, Area Affected : 30%								
Location : 2nd Floor								
Other Observation, Extent : Light, Area Affected : 75%								
Location : 2nd Floor								
Explanation : 9 X 9 Tiles								
Interior Walls								
Cast in Place Concrete	25%	Now	$139,600	LIFE	* *			
Spalling, Extent : Severe, Area Affected : 40%								
Location : Basement								
Vertical Cracks, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Ceramic Tile	45%			2038	* *	5	$7,400	
Plaster	30%	Now	$8,500	LIFE	* *	5	$1,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Basement Stairs								
Deteriorated Finish, Extent : Severe, Area Affected : 50%								
Location : Basement Stairs, Locker Room And Lounge On 3rd Floor								
Paint Peeling, Extent : Moderate, Area Affected : 50%								
Location : Basement Stairs								

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*** 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

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	10%	Now	$2,200	2046	* *	5	$600	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : 2nd Floor Dormitory								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Dormitory								
Exposed Concrete	15%	Now	$66,000	LIFE	* *	5	$300	
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Basement								
Exposed Reinforcement, Extent : Severe, Area Affected : 10%								
Location : Basement								
Other Observation, Extent : Severe, Area Affected : 20%								
Location : Basement								
Explanation : Lolly Columns Are Rusting								
Gypsum Board	5%			LIFE	* *	5	$800	
Plaster	70%	Now	$12,600	LIFE	* *	5	$5,600	
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : Locker Room, Bunker Room And At Window Perimeters								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : 2nd Floor And Roof Hatch								
Site Enclosure								
Fence/Gates								
Chain Link	50%	0-2	$7,100	2055	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 20%								
Location : Right Side Of Property								
Corrosion/Rusting, Extent : Moderate, Area Affected : 100%								
Location : Right Side Of Property								
Chain Link	50%			2055	* *			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	0-2	$12,900	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Right Side								
Misaligned/Bulging, Extent : Moderate, Area Affected : 20%								
Location : Right Side								
Parking/Driveway								
Cast in Place Concrete	100%	2-4	$2,400	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Left Side 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								

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FIRE DEPARTMENT - 057
ENGINE CO. 295/LADDER CO. 144
Asset # : 13181

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%			2029	$5,200	5		
Enclosure Corroded, Extent : Light, Area Affected : 20%								
Location : Basement								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Main Service Switch Rated At 200 Amperes.								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	$52,200	5	$200	
Enclosure Corroded, Extent : Light, Area Affected : 50%								
Location : Basement								
Raceway								
Conduit	25%			2029	$8,400	1		
Conduit	75%			2039	* *	1		
Panelboards								
Molded Case Bkrs	35%			2037	* *	5	$100	
Molded Case Bkrs	45%			2045	* *	5	$100	
Molded Case Bkrs	20%			2028	$8,200	5		
Enclosure Corroded, Extent : Light, Area Affected : 20%								
Location : Basement								
Wiring								
Thermoplastic	100%			2039	* *	1		
Ground								
Grounding Devices								
Generic	100%	0-2	$10,200	LIFE	* *	5	$100	
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Lighting								
Interior Lighting								
LED	100%			2037	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : LED Lights								
Exterior Lighting								
HID	20%			2024	$6,200	10		
LED	10%			2037	* *			
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								
Energy Source								
Natural Gas	100%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$7,600	

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Estimates are rounded to the nearest hundred dollars.
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FIRE DEPARTMENT - 057
ENGINE CO. 295/LADDER CO. 144
Asset # : 13181

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								
Central Plant Steam Piping/Pmp	100%			2039	* *	4	$600	
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$2,500	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Window/Wall Unit	50%			2022	$7,900	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	5%			LIFE	* *	2-5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Kitchen Exhaust								
No Component	95%							
Exhaust Fans								
Roof	5%			2029	$600	2		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : Kitchen Exhaust								
Wall Unit	10%			2024	$300	2		
No Component	85%							
Plumbing								
H/C Water Piping								
Brass/Copper	10%			2049	* *	1		
Galvanized Steel	90%	Now	$600	2034	* *	1		
Corroded, Extent : Severe, Area Affected : 10%								
Location : Some Equipment Around Meter								
Water Heater								
Gas Fired	100%			2027	$4,700	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units / 74 Gallons								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$300	4	$200	

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FIRE DEPARTMENT - 057
ENGINE CO. 295/LADDER CO. 144
Asset # : 13181

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		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Boiler								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2027	$27,900	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.*

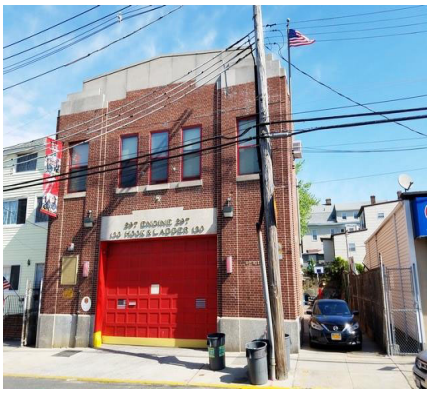
Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **11-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **4054** **Lot** : **17**	**BIN**	: **4098032**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$99,900	$122,600
Electrical		$52,200
Total	**$99,900**	**$174,800**
Importance Code A	$99,900	$122,600
Importance Code B		$52,200
Total	**$99,900**	**$174,800**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture			$4,700	
Interior Architecture	$41,500	$200		$500
Electrical	$8,300		$7,600	
Mechanical	$1,000	$900	$6,700	$800
Site Enclosure	$1,000			
Site Pavements	$4,800			
Total	**$56,700**	**$1,100**	**$18,900**	**$1,300**
Importance Code A	$600	$600	$5,200	$600
Importance Code B	$50,500	$600	$13,700	$700
Importance Code C	$5,600			
Total	**$56,700**	**$1,100**	**$18,900**	**$1,300**



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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
Exterior								
Exterior Walls								
Masonry: Brick	83%	Now	$99,900	LIFE	* *	5	$15,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Chimney								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Masonry: Granite	2%			LIFE	* *	5	$300	
Masonry: Limestone	5%			LIFE	* *	5	$700	
Wood Overhead Doors	10%			2034	* *	5	$9,300	
Windows								
Aluminum	100%			2051	* *	5	$1,900	
Parapets								
Masonry: Brick	85%			LIFE	* *	5	$2,300	
Masonry: Limestone	10%			LIFE	* *	5	$300	
Slate	5%			LIFE	* *	5	$100	
Roof								
Modified Bitumen	100%			2029	$122,600	10	$8,500	
Interior								
Floors								
Cast in Place Concrete	50%	0-2	$15,300	LIFE	* *	5	$10,000	
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : Apparatus Floor								
Deflection Evident, Extent : Light, Area Affected : 10%								
Location : Apparatus Floor								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Basement								
Other Observation, Extent : Severe, Area Affected : 70%								
Location : Basement								
Explanation : Steel Beams And Columns Shoring Up Apparatus Room Floor From Basement Below								
Ceramic Tile	5%			2038	* *	5	$500	
Vinyl Tile	45%			2034	* *	3	$2,100	
Worn/Eroded, Extent : Severe, Area Affected : 35%								
Location : Second Floor Throughout And Kitchen								
Interior Walls								
Cast in Place Concrete	20%			LIFE	* *			
Ceramic Tile	30%			2032	* *	5	$3,600	
Plaster	50%			LIFE	* *	5	$1,800	

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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	4%			2046	* *	5	$400	
AcousTileSusp.Lay-In	4%	Now	$3,200	2049	* *	5	$200	
Broken/Missing Elements, Extent : Severe, Area Affected : 100%								
Location : Offices								
Exposed Concrete	22%	Now	$20,800	LIFE	* *	5	$300	
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : Basement								
Exposed Reinforcement, Extent : Severe, Area Affected : 20%								
Location : Basement								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Basement								
Plaster	70%			LIFE	* *	5	$4,000	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2039	* *			
Retaining Walls								
Cast in Place Concrete	100%	Now	$1,000	2073	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 25%								
Location : Throughout								
Loose/Delam Surface, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Misaligned/Bulging, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	$1,000	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : 14th Road								
On-Site Walkways								
Cast in Place Concrete	100%			2034	* *			
Parking/Driveway								
Cast in Place Concrete	100%	Now	$3,900	2046	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : Driveway								
Tripping Hazard, Extent : Severe, Area Affected : 70%								
Location : Driveway In Front Of Doors								

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								

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FIRE DEPARTMENT - 057
ENGINE CO. 297/LADDER CO. 130
Asset # : 13183

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%			2039	* *	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%			2029	$52,200	5		
Raceway								
Conduit	50%			2039	* *	1		
Conduit	50%			2029	$16,700	1		
Panelboards								
Molded Case Bkrs	80%			2037	* *	5	$100	
Molded Case Bkrs	20%	2-4	$8,200	2054	* *	5		
Enclosure Corroded, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Wiring								
Thermoplastic	100%			2039	* *	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
Fluorescent	20%			2029	$3,300	10	$1,000	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Fluorescent	35%			2024	$5,800	10	$1,800	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement								
LED	45%			2037	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor And Second Floor								
Explanation : LED Lights								
Egress Lighting								
Emergency, Battery	50%			2037	* *	10	$700	
Exit, LED	50%			2064	* *	1		
Exterior Lighting								
HID	30%			2029	$6,900	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								
Energy Source								
Natural Gas	100%			2049	* *	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 297/LADDER CO. 130
Asset # : 13183

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	100%			2042	* *	1	$5,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Central Plant Steam Piping/Pmp	100%			2039	* *	4	$400	
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$1,800	
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Window/Wall Unit	50%			2024	$5,900	1		
No Component	50%							
Ventilation								
Exhaust Fans								
Roof	10%			2029	$900	2		
Wall Unit	20%			2029	$400	2		
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2027	$3,500	2	$100	
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$200	4	$200	
Fixtures								
Generic	100%							

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **07-Jun-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **9706** **Lot** : **66**	**BIN**	: **4207481**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$209,700	$168,200
Electrical		$68,600
Total	**$209,700**	**$236,800**
Importance Code A	$209,700	$168,200
Importance Code B		$68,600
Total	**$209,700**	**$236,800**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$50,000		$7,100	
Interior Architecture	$13,000	$1,300		$600
Electrical	$9,500	$2,400	$12,800	$1,000
Mechanical	$13,800	$1,000	$39,100	$1,200
Site Pavements	$4,900			
Total	**$91,300**	**$4,700**	**$59,100**	**$2,700**
Importance Code A	$50,400	$400	$7,500	$400
Importance Code B	$30,800	$3,400	$51,500	$2,400
Importance Code C	$10,100	$900		
Total	**$91,300**	**$4,700**	**$59,100**	**$2,700**



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FIRE DEPARTMENT - 057

ENGINE CO. 298/LADDER CO. 127 BATTALION 50

Asset # : 13184

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%	0-2	$21,400	LIFE	* *	5	$13,300	
Corrosion/Rusting, Extent : Moderate, Area Affected : 75%								
Location : Rusted Brick Relieving Angle								
Diagonal Cracks, Extent : Moderate, Area Affected : 25%								
Location : Isolated At Multiple Locations Along The 4 Elevations								
Loose Units, Extent : Moderate, Area Affected : 5%								
Location : Base Of Front Facade								
Metal Panel	10%			2049	* *	5-10	$13,100	
Metal Sect. OHD	10%			2042	* *	5	$5,900	
Window Wall	10%			2049	* *	5	$7,100	
Windows								
Aluminum	100%	Now	$125,600	2054	* *	5	$1,400	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 75%								
Location : Throughout								
Weather Strip Missing, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Explanation : Windows Are Original, More Than 50 Years Old.								
Parapets								
Metal Rail	100%			2042	* *	5-10	$42,100	
Roof								
Modified Bitumen	100%	Now	$84,100	2029	$168,200			
Alligatoring, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Drains Clogged, Extent : Moderate, Area Affected : 10%								
Location : West Side Of Roof								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Over Offices								
Soffits								
Cast in Place Concrete	100%			LIFE	* *	5		
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	* *	5	$13,900	
Ceramic Tile	7%			2038	* *	5	$900	
Quarry Tile	7%			2042	* *	5	$1,300	
Vinyl Tile	36%	Now	$4,100	2034	* *	3	$1,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 50%								
Location : Captain Office And Several 2nd Floor Locations								
Worn/Eroded, Extent : Severe, Area Affected : 50%								
Location : House Watch								

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FIRE DEPARTMENT - 057

ENGINE CO. 298/LADDER CO. 127 BATTALION 50

Asset # : 13184

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	10%	0-2	$2,400	LIFE	* *			
Water Penetration, Extent : Light, Area Affected : 10%								
Location : South Basement Wall								
Ceramic Tile	10%			2038	* *	5	$1,800	
Concrete Masonry Unit	15%			LIFE	* *	5	$1,100	
Gypsum Board	15%	Now	$1,200	LIFE	* *	5	$1,600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Offices								
Paint Peeling, Extent : Light, Area Affected : 20%								
Location : 2nd Floor Offices								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Offices								
Plaster	20%	Now	$1,500	LIFE	* *	5	$1,100	
Water Penetration, Extent : Moderate, Area Affected : 100%								
Location : Captain Office								
SGFT/Glazed Masonry	30%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	10%	Now	$500	2049	* *	5	$600	
Staining/Discoloring, Extent : Light, Area Affected : 10%								
Location : Toilet								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Toilet								
Exposed Concrete	20%			LIFE	* *	5	$400	
Plaster	70%	2-4	$2,500	LIFE	* *	5	$5,500	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Southeast 2nd Floor Office								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	* *			
Retaining Walls								
Cast in Place Concrete	100%			2064	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	100%	0-2	$4,900	2042	* *			
Sinking/Subsiding, Extent : Moderate, Area Affected : 100%								
Location : At The Edge Of Sidewalk And Curb Cut								

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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FIRE DEPARTMENT - 057

ENGINE CO. 298/LADDER CO. 127 BATTALION 50

Asset # : 13184

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%			2029	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	$52,200	5	$200	
Raceway								
Conduit	90%			2029	$30,100	1		
Conduit	10%			2049	* *	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	40%			2028	$16,500	5	$100	
Molded Case Bkrs	55%			2045	* *	5	$100	
Wiring								
Braided Cloth	30%	2-4	$8,900	2054	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Thermoplastic	50%			2029	$14,800	1		
Thermoplastic	20%			2049	* *	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2042	* *	1	$2,400	
Generators								
Diesel	100%			2038	* *	1	$3,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside The Building								
Explanation : One 81 Kilovolt-ampere								
Batteries								
Lead/Acid	100%			2023	$1,600	5	$300	
Fuel Storage								
Day Tank	50%			2045	* *	5	$700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room Outside								
Explanation : One 60 Gallon								
Main Tank	50%			2032	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 550 Gallon Main Tank								
Lighting								

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FIRE DEPARTMENT - 057
ENGINE CO. 298/LADDER CO. 127 BATTALION 50
Asset # : 13184

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	78%			2034	* *	10	$5,700	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Fluorescent	20%			2024	$4,600	10	$1,500	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Garage 1st Floor And Basement								
Incandescent	2%			2029	$1,100	2		
Egress Lighting								
Emergency, Service	60%			2034	* *	1		
Exit, Service	40%			2024	$400	1		
Exterior Lighting								
HID	100%			2034	* *	10		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Exterior Throughout								
Explanation : High Pressure Sodium Bulbs								

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%			2055	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2046	* *	1	$3,900	
Distribution								
Hot Wtr Piping/Pump	100%			2037	* *	4	$400	
Terminal Devices								
Convector/Radiator	70%			2042	* *	1	$1,800	
Unit Heater - Steam	30%	0-2	$1,700	2029	$8,500	4	$200	
Unit Inoperable, Extent : Severe, Area Affected : 30%								
Location : First Floor Ceiling								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Engine Bay								
Explanation : Unit Heaters Serve Engine Bay								
Air Conditioning								
Energy Source								
Electricity	100%			2051	* *	1		
Conversion Equipment								
Reciprocating Compr/Chiller	20%			2029	$13,500	1	$700	
Window/Wall Unit	55%			2024	$9,100	1		
No Component	25%							

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FIRE DEPARTMENT - 057

ENGINE CO. 298/LADDER CO. 127 BATTALION 50

Asset # : 13184

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								
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2	$2,100	
Other Observation, Extent : Light, Area Affected : 10%								
Location : Kitchen								
Explanation : Serves Kitchen Air Conditioning Unit Only								
No Component	80%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Throughout								
Explanation : 80 Percent Of Air Conditioning Is From Window Units. No Ductwork								
Terminal Devices								
Fan Coil - 2 Pipe	20%			2029	$22,700	1	$500	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2-5	$900	
No Component	80%							
Exhaust Fans								
Interior	25%			2029	$7,100	2	$100	
Interior	25%	0-2	$7,100	2039	* *	2		
Malfunctioning, Extent : Severe, Area Affected : 50%								
Location : Apparatus Room, 1 Of 2 Defective Exhaust Fans								
Roof	50%			2029	$6,600	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	* *	1		
No Water Meter, Extent : Light, Area Affected : 100%								
Location : Basement								
Water Heater								
Electric	50%			2028	$3,500	4		
Gas Fired	50%			2028	$2,400	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Indirect Water Heater. Boiler Is Heat Source. Used As Back-Up To Solar Heating System.								
Sanitary Piping								
Cast Iron	95%			LIFE	* *	1		
Cast Iron	5%	Now	$2,900	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 100%								
Location : Basement. Sluggish House Traps								
Leak Evident, Extent : Severe, Area Affected : 5%								
Location : 2nd Floor Janitor Closet. Leaky Pipe Drain Causing Water Damage On Ceiling Below.								

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FIRE DEPARTMENT - 057

ENGINE CO. 298/LADDER CO. 127 BATTALION 50

Asset # : 13184

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								
Storm Drain Piping								
Cast Iron	100%	0-2	$800	LIFE	* *	1		
Other Observation, Extent : Severe, Area Affected : 10%								
Location : Rear Courtyard And Apparatus Floor								
Explanation : Firehouse Is At The Base Of Hill And Experiences Backups During Heavy Rains.								
Sump Pump(s)								
Submersible	100%			2022	$300	4	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Dual Pumps								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	100%			2024	$27,900	1-3	$4,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Over Range								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **20-Apr-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **6891** **Lot** : **3**	**BIN**	: **4148798**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$230,400	
Electrical		$83,000
Site Pavements	$65,700	
Total	**$296,200**	**$83,000**
Importance Code A	$230,400	
Importance Code B	$65,700	$83,000
Total	**$296,200**	**$83,000**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$69,900			
Interior Architecture	$47,900			$10,900
Electrical	$11,900	$100	$2,500	
Mechanical	$33,700	$800	$8,900	$1,100
Site Enclosure	$5,100			
Total	**$168,500**	**$800**	**$11,300**	**$12,000**
Importance Code A	$70,200	$300	$400	$300
Importance Code B	$65,000	$500	$11,000	$11,700
Importance Code C	$33,300			
Total	**$168,500**	**$800**	**$11,300**	**$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. 299/LADDER CO. 152
Asset # : 13185

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	90%	0-2	$121,600	LIFE	* *	5	$18,900	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : Throughout All Facades								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Various Locations Throughout								
Other Observation, Extent : Light, Area Affected : 10%								
Location : Basement								
Explanation : High Water Table								
Masonry: Limestone	5%			LIFE	* *	5	$800	
Metal Sect. OHD	5%	Now	$35,000	2049	* *	5	$1,600	
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : Front Facade								
Explanation : Dented, Paint Peeling And Some Missing Hardware, Often Malfunctions								
Windows								
Aluminum	100%	Now	$108,900	2054	* *	5	$1,200	
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 60%								
Location : Throughout								
Glazing Broken/Cracked, Extent : Moderate, Area Affected : 5%								
Location : Rear Window								
Unit Inoperable, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Parapets								
Masonry: Brick	90%	0-2	$16,900	LIFE	* *	5	$2,700	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
Location : Throughout Interior Face								
Masonry: Limestone	10%	0-2	$3,400	LIFE	* *	5	$400	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Parapet Wall								
Roof								
Modified Bitumen	100%	0-2	$14,600	2034	* *			
Blisters, Extent : Moderate, Area Affected : 10%								
Location : Roof								
Other Observation, Extent : Light, Area Affected : 25%								
Location : Roof								
Explanation : Air Pockets								
Soffits								
Stucco Cement	100%			2042	* *	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. 299/LADDER CO. 152
Asset # : 13185

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%	4+	$1,100	LIFE	* *	5	$10,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : Apparatus Floor								
Ceramic Tile	5%			2025	$10,100	5	$500	
Quarry Tile	5%			2027	$15,000	5	$700	
Vinyl Tile	40%	0-2	$17,800	2034	* *	3	$1,500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 50%								
Location : 1st And 2nd Floors								
Interior Walls								
Cast in Place Concrete	15%	0-2	$13,600	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout Basement								
Ceramic Tile	10%			2032	* *	5	$1,300	
Gypsum Board	5%			LIFE	* *	5	$400	
Metal Panel	5%			LIFE	* *			
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Kitchen, 2012								
Plaster	40%			LIFE	* *	5	$1,600	
SGFT/Glazed Masonry	25%	0-2	$13,900	LIFE	* *			
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Throughout Garage Area								
Ceilings								
AcousTileSusp.Lay-In	10%			2042	* *	5	$1,000	
Recent Replace Evident, Extent : Light, Area Affected : 15%								
Location : Kitchen								
Staining/Discoloring, Extent : Light, Area Affected : 10%								
Location : TV Room, Gymnasium								
Plaster	90%			LIFE	* *	5	$5,500	
Site Enclosure								
Fence/Gates								
Chain Link	100%	4+	$5,100	2049	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Front Gate								
Retaining Walls								
Cast in Place Concrete	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	$65,700	2049	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
Location : Front Of Building								
On-Site Walkways								
Asphalt	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. 299/LADDER CO. 152
Asset # : 13185

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								
Molded Case Bkrs	100%			2029	$5,200	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	$52,200	5	$200	
Raceway								
Conduit	95%			2029	$31,800	1		
Conduit	5%			2049	* *	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	75%			2028	$30,900	5	$100	
Molded Case Bkrs	20%			2045	* *	5		
Wiring								
Braided Cloth	40%	2-4	$11,800	2054	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Thermoplastic	20%			2049	* *	1		
Thermoplastic	40%			2029	$11,800	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
Fluorescent	40%			2034	* *	10	$2,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Explanation : T-8 Lamps								
LED	60%			2037	* *			
Exterior Lighting								
Fluorescent	30%			2034	* *	10	$200	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Roof Exit Door, Backyard Wall								
LED	70%			2037	* *			

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%			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. 299/LADDER CO. 152
Asset # : 13185

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								
Hot Water Boiler	100%			2034	* *	1	$2,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Unit								
Distribution								
Hot Wtr Piping/Pump	100%	0-2	$500	2037	* *	4	$300	
Leak Evident, Extent : Moderate, Area Affected : 2%								
Location : Storage Room								
Not in Service, Extent : Moderate, Area Affected : 10%								
Location : Thermostats. Cold In Front Of 2nd Floor Office Area.								
Terminal Devices								
Convector/Radiator	85%			2034	* *	1	$1,600	
Damaged, Extent : Moderate, Area Affected : 15%								
Location : Convector Covers, Various Locations								
Unit Heater - Hot Water	15%			2029	$3,300			
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Window/Wall Unit	50%	0-2	$1,200	2024	$6,200	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : The Units Are Down Constantly.								
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	30%			LIFE	* *	2-5	$1,000	
No Component	70%							
Exhaust Fans								
Roof	30%			2029	$2,900	2	$100	
Wall Unit	20%			2029	$400	2		
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	50%			2027	$1,800	2		
Gas Fired	50%			2024	$1,800	2		
Sanitary Piping								
Cast Iron	100%	0-2	$2,200	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : Front Of Apparatus Floor								
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. 299/LADDER CO. 152
Asset # : 13185

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								
Sump Pump(s)								
Non-Submersible	100%	Now	$900	2039	* *	4	$100	
Corroded, Extent : Severe, Area Affected : 100%								
Location : Housings Of The Units, Basement								
Malfunctioning, Extent : Severe, Area Affected : 100%								
Location : Both Units In Basement								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units. Pump Running Constantly Due To Ground Water Or Other Source That Is Causing Flooding In Basement								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2022	$27,900	1-3	$4,000	
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.
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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$76,300	
Electrical		$74,800
Total	**$76,300**	**$74,800**
Importance Code A	$76,300	
Importance Code B		$74,800
Total	**$76,300**	**$74,800**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$17,300	$2,900	$5,500	
Interior Architecture	$39,100		$300	$700
Electrical	$17,300	$600	$700	$2,300
Mechanical	$15,800	$1,100	$1,400	$700
Site Enclosure				
Site Pavements	$2,800			
Total	**$92,300**	**$4,600**	**$7,900**	**$3,800**
Importance Code A	$17,700	$3,400	$5,900	$400
Importance Code B	$66,900	$1,200	$2,000	$3,300
Importance Code C	$7,700			
Total	**$92,300**	**$4,600**	**$7,900**	**$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. 3/ LADDER CO.12/ BATTALION 7
Asset # : 13002

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								
Glazed Ceramic Panel	30%	2-4	$3,900	LIFE	* *	5	$26,400	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Masonry: Brick	60%	2-4	$7,200	LIFE	* *	5	$11,300	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
Location : Chimney And Stair Bulkhead								
Metal Sect. OHD	10%			2048	* *	5	$5,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Apparatus Entrance Door								
Explanation : Fiberglass Overhead Door								
Windows								
Aluminum	100%	Now	$76,300	2056	* *	5	$900	
Air Infiltration, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Broken/Missing Elements, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Hardware Missing, Extent : Light, Area Affected : 15%								
Location : Throughout								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Explanation : Thermally Inefficient								
Parapets								
Glazed Ceramic Panel	8%	Now	$2,300	2051	* *	5	$400	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : Front Facade								
Worn/Eroded, Extent : Light, Area Affected : 5%								
Location : Front Of Building								
Masonry: Brick	70%	2-4	$3,800	LIFE	* *	5	$3,100	
Vertical Cracks, Extent : Light, Area Affected : 2%								
Location : Front Of Building								
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								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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	$17,600	
Ceramic Tile	5%			2034	* *	5	$600	
Quarry Tile	5%			2036	* *	5	$900	
Broken/Missing Elements, Extent : Light, Area Affected : 1%								
Location : Kitchen								
Terrazzo	5%			LIFE	* *	5	$900	
Vinyl Tile	5%	Now	$1,000	2036	* *	3	$200	
Broken/Missing Elements, Extent : Severe, Area Affected : 1%								
Location : 1st Floor Office								
Vinyl Tile 9" X 9"	45%	Now	$6,100	2036	* *	3	$1,900	
Broken/Missing Elements, Extent : Severe, Area Affected : 15%								
Location : Throughout								
Worn/Eroded, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Interior Walls								
Concrete Masonry Unit	20%			LIFE	* *	5	$2,400	
Plaster	50%			LIFE	* *	5-10	$6,500	
SGFT/Glazed Masonry	30%			LIFE	* *	10	$2,300	
Ceilings								
AcousTileSusp.Lay-In	5%	Now	$1,900	2044	* *	5	$300	
Water Penetration, Extent : Light, Area Affected : 5%								
Location : Kitchen								
Exposed Concrete	85%			LIFE	* *	5-10	$11,800	
Paint Peeling, Extent : Light, Area Affected : 20%								
Location : 2nd Floor Bathroom, Bunk Rooms And Basement								
Spalling, Extent : Moderate, Area Affected : 2%								
Location : Basement								
Water Penetration, Extent : Light, Area Affected : 15%								
Location : Stair Bulkhead And 2nd Floor Bunk Room								
Plaster	2%	Now	$1,900	LIFE	* *	5	$100	
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : 2nd Floor Toilet, Chief Office And Toilet								
Water Penetration, Extent : Light, Area Affected : 1%								
Location : 1st Floor Office Area								
Plaster	8%			LIFE	* *	5-10	$1,500	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2031	$9,100			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	$2,800	2044	* *			
Tripping Hazard, Extent : Moderate, Area Affected : 5%								
Location : West 19th Street Front Of Building								
On-Site Walkways								
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. 3/ LADDER CO.12/ BATTALION 7
Asset # : 13002

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	70%			2031	$3,600	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Amperes Main Disconnect Switch								
Fused Disc Sw	30%			2051	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Amperes Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	$52,200	5	$200	
Raceway								
Conduit	30%			2051	* *	1		
Conduit	70%			2031	$23,400	1		
Panelboards								
Fused Disc Sw	5%			2030	$2,100	5		
Molded Case Bkrs	55%			2030	$22,600	5	$100	
Molded Case Bkrs	40%			2047	* *	5	$100	
Wiring								
Braided Cloth	40%	2-4	$11,800	2056	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Thermoplastic	20%			2031	$5,900	1		
Thermoplastic	40%			2051	* *	1		
Motor Controllers								
Locally Mounted	70%			2029	$10,800	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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : One 80 Kilovolt Ampere								
Batteries								
Lead/Acid	100%			2025	$1,600	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. 3/ LADDER CO.12/ BATTALION 7
Asset # : 13002

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
Stand-by Power								
Fuel Storage								
Day Tank	50%			2047	* *	5	$800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Generator Area								
Explanation : One 60 Gallons								
Main Tank	50%			2034	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 550 Gallons								
Lighting								
Interior Lighting								
Fluorescent	60%			2036	* *	10	$4,800	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement And 2nd Floor								
Fluorescent	35%			2026	$8,900	10	$2,800	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : First Floor								
Incandescent	5%			2026	$3,000	2		
Egress Lighting								
Emergency, Service	30%			2036	* *	1		
Emergency, Service	10%			2026	$500	1		
Emergency, Battery	10%	Now	$1,300	2041	* *			
Not Functioning, Extent : Severe, Area Affected : 100%								
Location : Kitchen, First Floor And Basement								
Exit, Service	50%			2031	$500	1		
Exterior Lighting								
HID	15%			2026	$100	10		
Outdr Lights On During Daytime, Extent : Light, Area Affected : 100%								
Location : Front Of Building								
Incandescent	5%			2026	$1,500	2		
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%			2051	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2044	* *	1	$4,300	
Distribution								
Hot Wtr Piping/Pump	100%			2039	* *	4	$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. 3/ LADDER CO.12/ BATTALION 7
Asset # : 13002

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								
Convector/Radiator	60%			2036	* *	1	$1,700	
Convector/Radiator	10%	Now	$500	2051	* *	1	$300	
Damaged, Extent : Moderate, Area Affected : 20%								
Location : 1st And 2nd Floor								
Other Observation, Extent : Light, Area Affected : 20%								
Location : 1st Floor								
Explanation : Cover Damaged								
Unit Heater - Hot Water	30%			2031	$9,900			
Air Conditioning								
Energy Source								
Electricity	100%			2047	* *	1		
Conversion Equipment								
Split Unit	15%			2036	* *			
Other Observation, Extent : Light, Area Affected : 25%								
Location : 2nd Floor								
Explanation : Serving Locker Rooms								
Split Unit	10%	Now	$1,900	2036	* *			
Leak Evident, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor Split Unit Leaking Rerigerant								
Window/Wall Unit	75%			2026	$13,700	1		
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$7,700	
Exhaust Fans								
Roof	80%			2031	$11,700	2	$200	
Wall Unit	20%			2031	$600	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2026	$5,400	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	80%			LIFE	* *	1		
Cast Iron	20%	Now	$5,100	LIFE	* *	1		
Leak Evident, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor Bathroom Leaking Drain To1st Floor Ceiling								

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FIRE DEPARTMENT - 057
ENGINE CO. 3/ LADDER CO.12/ BATTALION 7
Asset # : 13002

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								
Storm Drain Piping								
Cast Iron	80%	0-2	$2,900	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 50%								
Location : Apparatus Room. Clogged Drain And Occassional Sewer Backup								
Cast Iron	20%	Now	$1,800	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 50%								
Location : Basement								
Backflow Preventer								
No Component	95%							
Generic	5%			2036	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Boiler Only								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	20%			2029	$5,600	1-3	$800	
Other Observation, Extent : Light, Area Affected : 20%								
Location : Kitchen Area								
Explanation : System Serves Kitchen Area								
No Component	80%							

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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$313,900	
Interior Architecture		$49,400
Mechanical		$56,600
Total	**$313,900**	**$106,000**
Importance Code A	$313,900	
Importance Code B		$106,000
Total	**$313,900**	**$106,000**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$57,600		$1,200	
Interior Architecture	$125,000		$300	$700
Electrical	$10,500		$100	
Mechanical	$18,100	$1,500	$1,600	$1,500
Site Enclosure	$2,700			
Site Pavements	$2,400			
Total	**$216,400**	**$1,500**	**$3,200**	**$2,200**
Importance Code A	$58,500	$800	$2,100	$800
Importance Code B	$98,800	$700	$1,100	$1,400
Importance Code C	$59,100			
Total	**$216,400**	**$1,500**	**$3,200**	**$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. 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
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	$184,700	LIFE	* *	5	$19,100	
Diagonal Cracks, Extent : Severe, Area Affected : 10%								
Location : Hose Tower At Window Openings And Corners								
Efflorescence, Extent : Severe, Area Affected : 5%								
Location : North Facade								
Repointing Failure, Extent : Moderate, Area Affected : 35%								
Location : Side, Rear Facades And Hose Tower								
Vegetation Growth, Extent : Moderate, Area Affected : 20%								
Location : Hose Tower And Throughout Base At Granite Joint								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Hose Tower, North Facade Building Extension Joint And At Base Perimeter								
Other Observation, Extent : Light, Area Affected : 10%								
Location : Top Portion Of Building And Tower								
Explanation : Netting Added Four Years Ago Due To Falling Brick								
Granite Panels	10%	Now	$27,100	LIFE	* *	5	$1,800	
Broken/Missing Elements, Extent : Moderate, Area Affected : 1%								
Location : Window Sill And Corner At Overhead Door Opening								
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Hose Tower, Sills And Lintels								
Staining/Discoloring, Extent : Light, Area Affected : 20%								
Location : Window Sills And Building Base								
Wood Overhead Doors	10%			2036	* *	5	$11,900	
Windows								
Aluminum	100%	Now	$129,200	2056	* *	5	$1,300	1
Air Infiltration, Extent : Moderate, Area Affected : 70%								
Location : Throughout								
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Misaligned/Bulging, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Unit Inoperable, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Other Observation, Extent : Light, Area Affected : 25%								
Location : First Floor								
Explanation : Metal Protective Grilles								
Parapets								
Masonry: Granite	100%	Now	$23,400	LIFE	* *	5	$800	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 10%								
Location : Rear Facade Pitched Roof Granite								
Repointing Failure, Extent : Severe, Area Affected : 30%								
Location : Hose Tower, Front And Rear Granite And Brick Joints								
Caulking Deteriorated, Extent : Moderate, Area Affected : 50%								
Location : Rear Facade								

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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

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	80%	Now	$5,900	2034	* *			
Water Penetration, Extent : Severe, Area Affected : 15%								
Location : Crickets At Hose Tower								
Copper/Terne	5%			2046	* *	10	$1,200	
Roll Roofing	15%	Now	$1,300	2027	$6,600	5	$1,200	
Ridging, Extent : Severe, Area Affected : 5%								
Location : Second Floor Roof Drain And Throughout								
Seams Open/Split, Extent : Severe, Area Affected : 5%								
Location : Second Floor Roof								
Worn/Eroded, Extent : Severe, Area Affected : 100%								
Location : Flashings And Flashing Joint To Brick								
Soffits								
Aluminum Sunshades	100%			2034	* *	10	$1,200	
Interior								
Floors								
Cast in Place Concrete	35%	0-2	$23,500	LIFE	* *	5	$9,300	
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Apron Of Apparatus Room Into Basement Tool Room								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Below Apparatus Room								
Explanation : Structurally Insufficient								
Ceramic Tile	5%			2034	* *	5	$600	
Quarry Tile	5%	Now	$1,900	2036	* *	5	$500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Kitchen								
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Kitchen								
Vinyl Tile	45%	Now	$2,500	2026	$49,400	3	$2,000	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Second Floor								
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	$17,000	LIFE	* *			
Horizontal Cracks, Extent : Severe, Area Affected : 5%								
Location : Rear Wall In Gymnasium								
Paint Peeling, Extent : Severe, Area Affected : 10%								
Location : Basement								
Water Penetration, Extent : Severe, Area Affected : 15%								
Location : Basement Window Openings, North And West Perimeter Walls								
Gypsum Board	20%	Now	$5,900	LIFE	* *	5	$2,000	
Water Penetration, Extent : Severe, Area Affected : 50%								
Location : Stair To Third Floor, Locker Room, Engine Officers Bedroom, Third Floor Recreation Room Walls On South And West Walls								
Other Observation, Extent : Severe, Area Affected : 20%								
Location : Stair To Third Floor And Hose Tower At First Floor								
Explanation : Mold								
Masonry: Brick	10%	Now	$14,000	LIFE	* *			
Diagonal Cracks, Extent : Severe, Area Affected : 15%								
Location : Hose Tower								
Efflorescence, Extent : Severe, Area Affected : 10%								
Location : Third Floor Walls								
Plaster	15%	Now	$12,900	LIFE	* *	5	$800	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Hose Tower								
Cracking/Crumbling, Extent : Severe, Area Affected : 40%								
Location : Hose Tower, Second Floor Laundry Area, Bathroom, Locker Room, Officers Bedroom Exterior Wall, Stairs To Basement And Third Floor Stair								
Horizontal Cracks, Extent : Severe, Area Affected : 10%								
Location : Hose Tower								
Paint Peeling, Extent : Severe, Area Affected : 100%								
Location : Hose Tower								
Water Penetration, Extent : Severe, Area Affected : 45%								
Location : Hose Tower, Pole Hole And Various Locations Throughout								
SGFT/Glazed Masonry	50%			LIFE	* *	10	$4,200	

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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								
Ceilings								
AcousTileSusp.Lay-In	5%	Now	$1,400	2036	* *	5	$300	
Broken/Missing Elements, Extent : Severe, Area Affected : 30%								
Location : Locker Room								
Misaligned/Bulging, Extent : Severe, Area Affected : 5%								
Location : Second Floor								
Staining/Discoloring, Extent : Severe, Area Affected : 15%								
Location : Throughout Second Floor								
Worn/Eroded, Extent : Severe, Area Affected : 50%								
Location : Dormitory								
Exposed Concrete	5%	Now	$5,400	LIFE	* *	5	$100	
Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
Location : Hose Tower, First Floor Apparatus Floor And Cellar Ceiling								
Gypsum Board	15%	Now	$3,400	LIFE	* *	5	$2,000	
Other Observation, Extent : Severe, Area Affected : 5%								
Location : Stair To Third Floor								
Explanation : Mold								
Plaster	75%	Now	$33,000	LIFE	* *	5	$4,900	
Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
Location : Gear Room On First Floor And Various Areas At Second Floor								
Water Penetration, Extent : Severe, Area Affected : 25%								
Location : Hose Tower, Locker Room, Engine Officers Bedroom, Stair								
Site Enclosure								
Fence/Gates								
Aluminum Rail	2%	Now	$100	2029	$300	5	$100	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Rear Yard Step Railing								
Chain Link	98%	4+	$2,600	2041	* *			
Corrosion/Rusting, Extent : Severe, Area Affected : 5%								
Location : Rusted Hinges At Front Facade								
Impact Damage, Extent : Light, Area Affected : 10%								
Location : Rear Yard								
Retaining Walls								
Cast in Place Concrete	100%	4+	$100	2051	* *			
Vegetation Growth, Extent : Light, Area Affected : 10%								
Location : Rear Yard								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	* *			
On-Site Walkways								
Cast in Place Concrete	100%	2-4	$1,900	2036	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								

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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
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	100%	2-4	$500	2036	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Front 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%			2041	* *	5		
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	
Raceway								
Conduit	100%			2041	* *	1		
Panelboards								
Molded Case Bkrs	100%			2039	* *	5	$300	
Wiring								
Thermoplastic	100%			2041	* *	1		
Ground								
Grounding Devices								
Generic	100%	0-2	$10,200	LIFE	* *	5	$100	
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Lighting								
Interior Lighting								
Fluorescent	92%			2031	$26,600	10	$8,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Fluorescent	4%			2026	$1,200	10	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement, 1st Floor								
Explanation : T-12 Lamps								
Incandescent	1%			2026	$700	2		
LED	3%			2039	* *			
Egress Lighting								
Emergency, Battery	30%			2031	$4,300	10	$700	
Exit, Service	70%			2031	$800	1		
Exterior Lighting								
HID	30%			2031	$12,100	10		
No Component	70%							

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*** 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		
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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 3rd Floor								
Explanation : 4 Units								
Steam Boiler	80%			2044	* *	1	$7,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	80%	0-2	$3,500	2031	$35,300			
Loose, Extent : Moderate, Area Affected : 60%								
Location : Control Valves, Various Locations								
No Component	20%							
Terminal Devices								
Convector/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	$1,100	2026	$21,300			
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : 2 Units. Various								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Various								
Explanation : Inefficient Units								
Split Unit	10%	0-2	$1,100	2036	* *			
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 3rd Floor								
Explanation : 2 Inefficient Units. R-410a								
Window/Wall Unit	50%			2026	$10,400	1		
No Component	30%							
Terminal Devices								
Fan Coil - 2 Pipe	20%			2031	$26,600	1	$600	
No Component	80%							
Heat Rejection								
Air Cooled Condenser Unit	20%			2031	$2,800	2	$1,400	
No Component	80%							
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. 301/LADDER CO. 150
Asset # : 13186

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	30%			LIFE	* *	2-5	$2,600	
No Component	70%							
Exhaust Fans								
Interior	20%			2031	$7,100	2	$100	
Roof	10%	0-2	$200	2031	$1,700	2		
Noisy/Vibrating, Extent : Moderate, Area Affected : 50%								
Location : Bathroom Fan, Roof								
Wall Unit	20%	0-2	$100	2026	$700	2		
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Floor								
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2026	$6,100	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%	0-2	$7,300	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : On Both Sides And The Rear Side Of The Building								
Storm Drain Piping								
Cast Iron	100%	0-2	$2,100	LIFE	* *	1		
Leak Evident, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor								
Sump Pump(s)								
Submersible	100%			2022	$300	4	$300	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2026	$300	1-3		

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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **16-Apr-2018**			**Landmark Status**	: **NONE**
Areas Surveyed	: **Floors x**				
Block	: **12046**	**Lot**	: **2**	**BIN**	: **4261544**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Interior Architecture	$45,500	
Total	**$45,500**	
Importance Code B	$45,500	
Total	**$45,500**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$25,400			
Interior Architecture	$7,400	$500	$300	$300
Electrical	$100		$100	
Mechanical	$37,200	$900	$3,600	$1,300
Site Enclosure	$17,800			
Site Pavements	$10,100			
Total	**$97,900**	**$1,400**	**$4,000**	**$1,600**
Importance Code A	$25,900	$500	$500	$500
Importance Code B	$43,400	$700	$3,500	$1,100
Importance Code C	$28,600	$300		
Total	**$97,900**	**$1,400**	**$4,000**	**$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. 302/LADDER CO. 155
Asset # : 13187

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	80%			LIFE	* *	5	$16,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Facade								
Explanation : Repointing Work Done In 2013								
Masonry: Granite	3%			LIFE	* *	5	$500	
Masonry: Limestone	7%			LIFE	* *	5	$1,100	
Wood Overhead Doors	10%	Now	$20,800	2042	* *	5	$5,100	
Deteriorated Finish, Extent : Moderate, Area Affected : 60%								
Location : Throughout								
Worn/Eroded, Extent : Severe, Area Affected : 5%								
Location : Center Of Door								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Overhead Door								
Explanation : Constant Repairs And Malfunction Issues								
Windows								
Aluminum	100%	Now	$4,600	2045	* *	5	$300	
Air Infiltration, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 35%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	* *	5	$700	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Parapet Wall								
Masonry: Brick	95%			LIFE	* *	5	$1,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Parapet Wall								
Explanation : Repointing Work Done In 2013								
Roof								
Asphalt Shingle	5%			2038	* *	10	$100	
Modified Bitumen	95%			2037	* *	10	$8,200	
Interior								
Floors								
Cast in Place Concrete	53%	4+	$2,500	LIFE	* *	5	$9,900	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Throughout								
Ceramic Tile	5%			2038	* *	5	$400	
Quarry Tile	5%			2042	* *	5	$600	
Sheet Vinyl/Rubber	5%			2034	* *	5	$600	
Terrazzo	2%	0-2	$400	LIFE	* *	5	$100	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Vinyl Tile	30%			2034	* *	3	$1,300	

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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. 302/LADDER CO. 155
Asset # : 13187

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	10%			LIFE	* *			
Ceramic Tile	10%			2038	* *	5	$500	
Gypsum Board	10%			LIFE	* *	5	$300	
Masonry: Brick	10%			LIFE	* *			
Plaster	35%	4+	$800	LIFE	* *	5	$600	
Paint Peeling, Extent : Severe, Area Affected : 10%								
Location : Second Floor								
SGFT/Glazed Masonry	25%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	20%	0-2	$2,900	2042	* *	5	$900	
Cracking/Crumbling, Extent : Light, Area Affected : 40%								
Location : Throughout								
Staining/Discoloring, Extent : Moderate, Area Affected : 2%								
Location : Kitchen								
Exposed Struc: Steel	40%			LIFE	* *			
Gypsum Board	2%	4+		LIFE	* *	5	$200	
Water Penetration, Extent : Moderate, Area Affected : 1%								
Location : Kitchen Area								
Plaster	38%	0-2	$45,500	LIFE	* *	5	$2,000	
Worn/Eroded, Extent : Severe, Area Affected : 100%								
Location : Second Floor								
Site Enclosure								
Fence/Gates								
Chain Link	45%	0-2	$9,400	2059	* *			
Corrosion/Rusting, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Wood	55%	0-2	$8,400	2034	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	* *			
On-Site Walkways								
Cast in Place Concrete	100%	0-2	$6,400	2034	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Parking/Driveway								
Cast in Place Concrete	100%	0-2	$3,700	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 40%								
Location : Throughout								

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

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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%			2039	* *	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%			2039	* *	5	$100	
Raceway								
Conduit	100%			2039	* *	1		
Panelboards								
Molded Case Bkrs	100%			2037	* *	5	$100	
Wiring								
Thermoplastic	100%			2039	* *	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
LED	100%			2037	* *			
Exterior Lighting								
LED	30%			2037	* *			
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								
Energy Source								
Natural Gas	100%			2049	* *	1		
Conversion Equipment								
Furnace	10%			2034	* *	1	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Ceiling Of Appaaratus Floor								
Explanation : 1 Gas Fired Modine Unit								
Steam Boiler	90%			2042	* *	1	$4,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Unit								
Distribution								
Steam Piping/Pump	100%	0-2	$500	2039	* *			
Insul. Deteriorating, Extent : Moderate, Area Affected : 15%								
Location : Basement								

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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. 302/LADDER CO. 155
Asset # : 13187

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								
Convector/Radiator	100%	0-2	$1,400	2034	* *	1	$1,500	
Malfunctioning, Extent : Moderate, Area Affected : 30%								
Location : Relief Valves Need Replacement								
Not in Service, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Bunker Room								
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Window/Wall Unit	40%	0-2	$4,300	2029	$4,300	1		
Obsolete Equipment, Extent : Moderate, Area Affected : 100%								
Location : Various Locations								
Window/Wall Unit	20%			2024	$2,100	1		
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	* *	2-5	$300	
No Component	90%							
Exhaust Fans								
Roof	10%			2029	$900	2		
Wall Unit	25%			2024	$500	2		
No Component	65%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2027	$3,100	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units - 75 Gallons Each								
Sanitary Piping								
Cast Iron	100%	0-2	$1,900	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 15%								
Location : Basement House Trap								
Leak Evident, Extent : Moderate, Area Affected : 5%								
Location : Leak Is Coming From Shower Drain In 2nd Floor Mens Bathroom To The Kitchen.								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$200	4	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Pits With 1 Pump In Each								

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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

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%							
Leaking Faucets/Valves/Heads, Extent : Moderate, Area Affected : 10%								
Location : Various Locations								
Obsolete Fixtures, Extent : Moderate, Area Affected : 20%								
Location : Various Locations								
Fire Suppression								
Chemical System								
Generic	100%			2022	$27,900	1-3	$4,000	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **18-Apr-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **10046** **Lot** : **14**	**BIN**	: **4214846**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$621,800	
Interior Architecture	$37,500	
Total	**$659,200**	
Importance Code A	$621,800	
Importance Code B	$37,500	
Total	**$659,200**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture				
Interior Architecture	$700	$600	$500	$500
Electrical	$10,200		$100	
Mechanical	$35,100	$1,000	$6,900	$1,500
Site Enclosure	$4,700			
Total	**$50,800**	**$1,600**	**$7,500**	**$2,000**
Importance Code A	$600	$600	$600	$600
Importance Code B	$45,500	$500	$6,900	$1,500
Importance Code C	$4,700	$600		
Total	**$50,800**	**$1,600**	**$7,500**	**$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. 303/LADDER CO. 126
Asset # : 13188

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								
Alum/Vinyl Siding	15%			2039	* *	10	$1,000	
Masonry: Brick	55%	Now	$221,400	LIFE	* *	5	$11,500	
Painted Surfaces, Extent : Moderate, Area Affected : 75%								
Location : North, South And West Facades								
Rusting Masonry Supt, Extent : Moderate, Area Affected : 25%								
Location : South And West Facades								
Masonry: Brick	15%	Now	$100,600	LIFE	* *	5	$3,100	1
Misaligned/Bulging, Extent : Severe, Area Affected : 100%								
Location : Front Facade								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front Facade								
Explanation : Leaning Sections								
Masonry: Limestone	5%	Now	$72,900	LIFE	* *	5	$800	
Misaligned/Bulging, Extent : Severe, Area Affected : 10%								
Location : Front Facade								
Granite Panels	2%			LIFE	* *	5	$300	
Wood Overhead Doors	8%	Now	$56,300	2049	* *	5	$4,200	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Front Elevation								
Unit Inoperable, Extent : Severe, Area Affected : 100%								
Location : Front Elevation								
Windows								
Aluminum	100%	Now	$86,900	2054	* *	5	$1,000	
Unit Inoperable, Extent : Severe, Area Affected : 80%								
Location : Throughout								
Parapets								
Masonry: Brick	85%	Now	$83,700	LIFE	* *	5	$2,300	1
Misaligned/Bulging, Extent : Severe, Area Affected : 20%								
Location : Front Facade								
Painted Surfaces, Extent : Moderate, Area Affected : 75%								
Location : North, South And West Facades								
Masonry: Limestone	10%			LIFE	* *	5	$300	
Pre-Cast Concrete	5%			LIFE	* *	5	$800	
Roof								
Asphalt Shingle	25%			2038	* *	10	$400	
Modified Bitumen	75%			2037	* *	10	$6,300	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
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. 303/LADDER CO. 126
Asset # : 13188

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	40%			LIFE	* *	5	$8,000	
Ceramic Tile	15%			2032	* *	5	$1,400	
Vinyl Tile	45%	0-2	$37,500	2039	* *	3	$1,500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 50%								
Location : 2nd Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : Second Floor								
Interior Walls								
Ceramic Tile	10%			2038	* *	5	$1,200	
Gypsum Board	15%			LIFE	* *	5	$1,100	
Masonry: Brick	15%			LIFE	* *			
Plaster	45%			LIFE	* *	5	$1,600	
SGFT/Glazed Masonry	15%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	10%			2034	* *	5	$900	
Exposed Struc: Steel	30%			LIFE	* *			
Plaster	60%			LIFE	* *	5	$3,400	
Site Enclosure								
Fence/Gates								
Chain Link	100%	0-2	$4,700	2049	* *			
Other Observation, Extent : Light, Area Affected : 10%								
Location : Side Yards								
Explanation : Leaning Sections								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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%			2039	* *	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%			2039	* *	5	$100	
Raceway								
Conduit	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. 303/LADDER CO. 126
Asset # : 13188

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								
Panelboards								
Molded Case Bkrs	100%			2037	* *	5	$100	
Wiring								
Thermoplastic	100%			2039	* *	1		
Motor Controllers								
Locally Mounted	100%			2034	* *	5		
Ground								
Grounding Devices								
Generic	100%	0-2	$10,200	LIFE	* *	5	$100	
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Lighting								
Interior Lighting								
Fluorescent	100%			2029	$16,300	10	$5,100	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Egress Lighting								
Emergency, Battery	50%			2029	$4,000	10	$700	
Exit, Service	50%			2029	$300	1		
Exterior Lighting								
HID	30%			2029	$6,800	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								
Energy Source								
Natural Gas	100%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$5,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	100%			2045	* *	4	$300	
Terminal Devices								
Convector/Radiator	75%			2042	* *	1	$1,400	
Fan Coil Unit/Heat	25%			2029	$21,000	1	$500	
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Window/Wall Unit	50%			2024	$5,800	1		
No Component	50%							
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. 303/LADDER CO. 126
Asset # : 13188

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	10%			LIFE	* *	2-5	$300	
No Component	90%							
Exhaust Fans								
Roof	10%			2029	$900	2		
Wall Unit	20%			2029	$400	2		
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%	0-2	$2,100	2049	* *	1		
Corroded, Extent : Moderate, Area Affected : 5%								
Location : Water Main Valve, Basement								
Water Heater								
Gas Fired	50%			2027	$1,700	2		
Gas Fired	50%			2022	$1,700	2		
Sanitary Piping								
Cast Iron	20%	0-2	$1,600	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 50%								
Location : Water Backs Up On Driveway Next To The Building								
Other Observation, Extent : Light, Area Affected : 10%								
Location : South Side, Outside Of The Building.								
Explanation : There Is No Drain On The South Side Of The Building Causing Flooding.								
Cast Iron	80%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	90%			LIFE	* *	1		
Cast Iron	10%	0-2	$200	LIFE	* *	1		
Damaged, Extent : Moderate, Area Affected : 50%								
Location : The Gutter, Perimeter Of The Building								
Sump Pump(s)								
Submersible	100%	0-2		2022	$200	4	$100	
Not in Service, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2022	$27,900	1-3	$4,000	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **07-Jun-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **10770** **Lot** : **23**	**BIN**	: **4230875**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$154,000	
Electrical		$76,900
Total	**$154,000**	**$76,900**
Importance Code A	$154,000	
Importance Code B		$76,900
Total	**$154,000**	**$76,900**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$62,800		$1,100	
Interior Architecture	$23,200	$500	$300	$400
Electrical	$8,900		$22,000	
Mechanical	$3,900	$1,500	$32,200	$1,200
Site Pavements	$3,100			
Total	**$101,800**	**$2,100**	**$55,700**	**$1,600**
Importance Code A	$63,300	$500	$1,700	$500
Importance Code B	$33,500	$1,200	$54,000	$1,100
Importance Code C	$5,000	$300		
Total	**$101,800**	**$2,100**	**$55,700**	**$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. 304/LADDER CO. 162
Asset # : 13189

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	80%	Now	$93,000	LIFE	* *	5	$14,400	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : West Facade								
Misaligned/Bulging, Extent : Moderate, Area Affected : 10%								
Location : West Facade								
Spalling, Extent : Moderate, Area Affected : 25%								
Location : East Facade, West Facade								
Water Penetration, Extent : Light, Area Affected : 10%								
Location : Front Office And Truck Office								
Masonry: Limestone	5%	Now	$10,500	LIFE	* *	5	$700	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : North Facade, Window Sills								
Stucco Cement	5%			2034	* *	5	$2,300	
Wood Overhead Doors	10%	Now	$61,000	2049	* *	5	$4,500	
Deteriorated Finish, Extent : Light, Area Affected : 100%								
Location : Throughout								
Dry Rot/Decay, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Worn/Eroded, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Windows								
Aluminum	100%	Now	$7,700	2037	* *	5	$900	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Hardware Missing, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Unit Inoperable, Extent : Light, Area Affected : 10%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5	$1,500	
Masonry: Brick	90%	Now	$22,000	LIFE	* *	5	$1,800	
Spalling, Extent : Moderate, Area Affected : 25%								
Location : East Facade, West Facade								
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : Interior Face								
Roof								
Modified Bitumen	100%	Now	$22,500	2034	* *			
Blisters, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Ponding, Extent : Moderate, Area Affected : 5%								
Location : Low Roof								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Lower Roof, Over Stairs, Over Kitchen								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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	$2,300	LIFE	* *	5	$8,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 50%								
Location : Apparatus Room At Truck Doors								
Drains Clogged, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Room At Truck Doors								
Ceramic Tile	5%			2038	* *	5	$400	
Quarry Tile	5%			2034	* *	5	$600	
Vinyl Tile	40%	0-2	$5,900	2029	$29,700	3	$1,200	
Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%								
Location : Throughout 2nd Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 20%								
Location : Throughout 2nd Floor								
Interior Walls								
Cast in Place Concrete	10%	Now	$1,500	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Basement Boiler Room								
Ceramic Tile	5%			2038	* *	5	$600	
Gypsum Board	25%			LIFE	* *	5	$1,700	
Plaster	20%	Now	$400	LIFE	* *	5	$700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Hose Tower								
Paint Peeling, Extent : Light, Area Affected : 100%								
Location : Hose Tower								
Plywood/Hardboard	5%			LIFE	* *			
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. 304/LADDER CO. 162
Asset # : 13189

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	30%	0-2	$12,000	2042	* *	5	$1,200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : TV Room, Basement, Kitchen								
Staining/Discoloring, Extent : Light, Area Affected : 10%								
Location : Throughout								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Kitchen								
Worn/Eroded, Extent : Severe, Area Affected : 50%								
Location : Bunk Room								
Exposed Concrete	20%	Now	$1,100	LIFE	* *	5	$200	
Exposed Reinforcement, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Spalling, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Plaster	50%			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 : 2nd Floor Corridor								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	* *			
Retaining Walls								
Cast in Place Concrete	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	100%	Now	$3,100	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Front Ramp								

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%			2029	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Ampere Main Disconnect Switch								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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%			2029	$52,200	5	$100	
Raceway								
Conduit	100%			2029	$33,500	1		
Panelboards								
Fused Disc Sw	10%			2028	$4,100	5		
Molded Case Bkrs	60%			2028	$24,700	5	$100	
Molded Case Bkrs	30%			2045	* *	5		
Wiring								
Braided Cloth	30%	2-4	$8,900	2054	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Thermoplastic	40%			2029	$11,800	1		
Thermoplastic	30%			2049	* *	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
Fluorescent	5%			2034	* *	10	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : T-8 Lamps								
LED	95%			2039	* *			
Exterior Lighting								
HID	100%			2024	$21,700	10		

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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$5,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Unit								
Distribution								
Central Plant Steam Piping/Pmp	100%			2039	* *	4	$400	
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$1,700	
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. 304/LADDER CO. 162
Asset # : 13189

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%			2045	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%			2034	* *	2	$100	
Window/Wall Unit	60%			2027	$6,700	1		
No Component	20%							
Terminal Devices								
Fan Coil - 2 Pipe	100%			2034	* *	1	$1,700	
Heat Rejection								
Air Cooled Condenser Unit	100%			2034	* *	2	$3,700	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$3,000	
Exhaust Fans								
Wall Unit	100%			2034	* *	2	$200	
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2042	* *	1		
Water Heater								
Gas Fired	50%			2024	$1,600	2		
Other Observation, Extent : Light, Area Affected : 50%								
Location : Basement								
Explanation : One Unit								
Gas Fired	50%			2029	$1,600	2		
Recent Installation, Extent : Light, Area Affected : 50%								
Location : Basement								
Sanitary Piping								
Cast Iron	100%	Now	$2,000	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 15%								
Location : Basement House Trap								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2023	$200	4	$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Dry	100%			2024	$27,900	1-3	$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.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **03-May-2018**	**Landmark Status**	: **HISTORICAL LANDMARK DISTRICT**
Areas Surveyed	: **Basement, Roof, Floors 1,2,Att**		
Block	: **3294** **Lot** : **20**	**BIN**	: **4078827**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Electrical		$56,800
Mechanical		$43,100
Total		**$99,900**
Importance Code B		$99,900
Total		**$99,900**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$32,400			$200
Interior Architecture	$2,100	$700		
Electrical	$22,800	$300	$2,200	$400
Mechanical	$34,300	$1,000	$6,200	$1,300
Site Pavements	$3,400			
Total	**$95,000**	**$2,000**	**$8,400**	**$1,900**
Importance Code A	$32,800	$400	$400	$600
Importance Code B	$58,800	$1,400	$8,000	$1,300
Importance Code C	$3,400	$200		
Total	**$95,000**	**$2,000**	**$8,400**	**$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. 305/LADDER CO. 151
Asset # : 13190

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	80%			LIFE	* *	5	$12,700	
Masonry: Limestone	10%	Now	$20,100	LIFE	* *	5	$1,200	
Staining/Discoloring, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Metal Sect. OHD	10%			2042	* *	5	$4,900	
Windows								
Aluminum	100%			2045	* *	5	$400	
Roof								
Copper/Terne	100%	0-2	$9,800	2044	* *			
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Over Locker Area And Mens Bathroom								
Interior								
Floors								
Cast in Place Concrete	48%			LIFE	* *	5	$6,700	
Ceramic Tile	5%			2038	* *	5	$300	
Quarry Tile	5%			2042	* *	5	$500	
Terrazzo	2%	4+	$100	LIFE	* *	5	$100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : Stair Steps								
Vinyl Tile	40%			2029	$25,100	3	$1,000	
Interior Walls								
Cast in Place Concrete	10%			LIFE	* *			
Ceramic Tile	5%			2038	* *	5	$400	
Gypsum Board	45%			LIFE	* *	5	$2,400	
Masonry: Brick	7%			LIFE	* *			
SGFT/Glazed Masonry	30%			LIFE	* *			
Wood	3%			LIFE	* *	5	$1,100	
Ceilings								
AcousTileSusp.Lay-In	7%			2042	* *	5	$500	
Exposed Concrete	30%	Now	$1,500	LIFE	* *	5	$300	
Cracking/Crumbling, Extent : Severe, Area Affected : 2%								
Location : Basement Meter Room								
Exposed Reinforcement, Extent : Severe, Area Affected : 2%								
Location : Basement Meter Room								
Gypsum Board	3%			LIFE	* *	5	$300	
Plaster	60%			LIFE	* *	5	$2,500	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2034	* *			

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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%	Now	$3,400	2038	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Parking Area Right Side Of Building								

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%			2055	* *	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%			2055	* *	5	$100	
Raceway								
Conduit	70%			2029	$25,500	1		
Conduit	30%			2055	* *	1		
Panelboards								
Molded Case Bkrs	70%			2028	$31,300	5	$100	
Molded Case Bkrs	30%			2051	* *	5		
Wiring								
Braided Cloth	70%	2-4	$22,500	2054	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Thermoplastic	30%			2055	* *	1		
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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rear Of The Building								
Explanation : Emergency Generator Rated At 60 Kilowatts								
Batteries								
Lead/Acid	100%			2024	$1,700	5	$200	
Fuel Storage								
Main Tank	100%			2064	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rear Of The Building								
Explanation : 125 Gallons Rated Capacity								
Lighting								

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*** 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

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								
LED	100%			2037	* *			
Egress Lighting								
Emergency, Service	50%			2037	* *	1		
Exit, LED	50%			2044	* *	1		
Exterior Lighting								
LED	20%			2037	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front And Rear Of The Building								
Explanation : LED Light Fixtures								
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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$4,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Unit								
Distribution								
Steam Piping/Pump	100%			2039	* *			
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$1,400	
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Interior Pkg Unit - Cooling	25%	0-2	$2,200	2027	$43,100	2	$100	
Leak Evident, Extent : Moderate, Area Affected : 10%								
Location : Water Dripping Through 2nd Floor Ceiling Because Of Condensate In The Attic								
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : 2 Units - Attic								
Window/Wall Unit	25%	0-2	$500	2024	$2,400	1		
Not in Service, Extent : Moderate, Area Affected : 20%								
Location : Various locations								
No Component	50%							
Heat Rejection								
Air Cooled Condenser Unit	25%			2029	$1,200	2	$700	
No Component	75%							
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. 305/LADDER CO. 151
Asset # : 13190

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	35%			LIFE	* *	2-5	$800	
No Component	65%							
Exhaust Fans								
Interior	25%			2029	$4,100	2		
Roof	10%			2029	$800	2		
Wall Unit	20%			2029	$300	2		
No Component	45%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2024	$2,800	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$200	4	$100	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2022	$30,300	1-3	$4,000	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **24-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Roof, Floors 1,2**		
Block	: **6288** **Lot** : **32**	**BIN**	: **4138284**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$101,400	$109,300
Interior Architecture		$36,500
Total	**$101,400**	**$145,800**
Importance Code A	$101,400	$109,300
Importance Code B		$36,500
Total	**$101,400**	**$145,800**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$43,000		$4,900	$800
Interior Architecture	$6,600	$1,500	$400	
Electrical	$100	$100	$100	$100
Mechanical	$2,300	$900	$6,000	$1,300
Site Pavements	$10,000			
Total	**$62,000**	**$2,500**	**$11,500**	**$2,100**
Importance Code A	$43,400	$500	$5,400	$1,300
Importance Code B	$7,800	$1,200	$6,100	$800
Importance Code C	$10,800	$800		
Total	**$62,000**	**$2,500**	**$11,500**	**$2,100**



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

FIRE DEPARTMENT - 057
ENGINE CO. 306
Asset # : 13191

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	80%	Now	$101,400	LIFE	* *	5	$15,700	
Paint Peeling, Extent : Moderate, Area Affected : 25%								
Location : North And West Facades								
Painted Surfaces, Extent : Moderate, Area Affected : 50%								
Location : North And West Facades								
Spalling, Extent : Moderate, Area Affected : 20%								
Location : North And West Facades								
Masonry: Granite	2%			LIFE	* *	5	$300	
Masonry: Limestone	8%	Now	$18,400	LIFE	* *	5	$1,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Above Main Entrance								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : East Facade								
Staining/Discoloring, Extent : Moderate, Area Affected : 25%								
Location : East Facade								
Wood Overhead Doors	10%			2034	* *	5	$9,800	
Windows								
Aluminum	100%			2045	* *	5	$1,600	
Parapets								
Masonry: Brick	90%	Now	$23,400	LIFE	* *	5	$1,900	
Paint Peeling, Extent : Moderate, Area Affected : 25%								
Location : North And West Parapets								
Painted Surfaces, Extent : Moderate, Area Affected : 50%								
Location : North And West Parapets								
Spalling, Extent : Moderate, Area Affected : 20%								
Location : West And North Parapets								
Masonry: Limestone	5%	Now	$1,200	LIFE	* *	5	$100	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : Coping								
Caulking Deteriorated, Extent : Moderate, Area Affected : 25%								
Location : Coping								
Pre-Cast Concrete	5%			LIFE	* *	5	$700	
Roof								
Built-Up (BUR)	100%			2029	$109,300	10	$7,500	
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	* *	5	$7,000	
Ceramic Tile	5%			2038	* *	5	$400	
Quarry Tile	5%			2042	* *	5	$600	
Vinyl Tile	50%			2029	$36,500	3	$1,500	

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FIRE DEPARTMENT - 057
ENGINE CO. 306
Asset # : 13191

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	20%			LIFE	* *			
Ceramic Tile	15%			2038	* *	5	$1,700	
Gypsum Board	5%			LIFE	* *	5	$300	
Masonry: Brick	5%			LIFE	* *			
Plaster	55%	0-2	$5,200	LIFE	* *	5	$1,800	
Paint Peeling, Extent : Moderate, Area Affected : 20%								
Location : Offices, Interior Walls At Window Perimeter, Stairway								
Ceilings								
AcousTileSusp.Lay-In	10%			2034	* *	5	$800	
Exposed Struc: Steel	15%			LIFE	* *			
Plaster	65%			LIFE	* *	5	$3,300	
Plaster	10%	Now	$1,100	LIFE	* *	5	$500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Roof Access								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Roof Access								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	$4,400	2042	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : 214th Place								
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Asphalt	75%	Now	$5,600	2038	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 15%								
Location : Parking Driveway								
Cast in Place Concrete	25%			2034	* *			

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%			2039	* *	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%			2039	* *	5	$100	
Raceway								
Conduit	100%			2039	* *	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 306
Asset # : 13191

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								
Panelboards								
Fused Disc Sw	10%			2037	* *	5		
Molded Case Bkrs	70%			2037	* *	5	$100	
Molded Case Bkrs	20%			2045	* *	5		
Wiring								
Thermoplastic	100%			2039	* *	1		
Motor Controllers								
Locally Mounted	100%			2034	* *	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
LED	100%			2037	* *			
Exterior Lighting								
HID	30%			2037	* *	10		
No Component	70%							
Alarm								
Security System								
No Component	70%							
Generic	30%			2037	* *	1	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Perimeter Of The Building								
Explanation : CCTV Surveillance Cameras								

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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$4,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Unit								
Distribution								
Steam Piping/Pump	100%			2039	* *			
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$1,600	
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Window/Wall Unit	50%			2024	$5,100	1		
No Component	50%							

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FIRE DEPARTMENT - 057
ENGINE CO. 306
Asset # : 13191

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	10%			LIFE	* *	2-5	$300	
No Component	90%							
Exhaust Fans								
Roof	10%			2034	* *	2		
Wall Unit	20%			2029	$300	2		
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2027	$3,000	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units								
Sanitary Piping								
Cast Iron	5%	0-2	$900	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 100%								
Location : House Trap In Basement								
Cast Iron	95%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$200	4	$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2028	$27,900	1-3	$4,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : 1 Set								

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **07-Jun-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **1177** **Lot** : **36**	**BIN**	: **4026949**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$52,500	
Interior Architecture	$159,300	
Electrical		$52,200
Total	**$211,800**	**$52,200**
Importance Code A	$52,500	
Importance Code B	$159,300	$52,200
Total	**$211,800**	**$52,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$80,300		$6,600	
Interior Architecture	$55,200		$300	$400
Electrical	$14,000	$100	$3,900	
Mechanical	$38,900	$1,200	$38,500	$1,500
Site Enclosure	$1,800			
Total	**$190,200**	**$1,300**	**$49,300**	**$1,900**
Importance Code A	$80,900	$600	$7,300	$600
Importance Code B	$91,500	$700	$42,000	$1,300
Importance Code C	$17,700			
Total	**$190,200**	**$1,300**	**$49,300**	**$1,900**



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FIRE DEPARTMENT - 057
ENGINE CO. 307/LADDER CO. 154
Asset # : 13192

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	75%	Now	$31,300	LIFE	* *	5	$19,400	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Rear And Side Facades								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Bunker Room								
Masonry: Limestone	10%			LIFE	* *	5	$1,900	
Metal Sect. OHD	15%	Now	$25,900	2042	* *	5	$6,100	
Unit Inoperable, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Area - Door Inoperable At Times								
Windows								
Wood	100%	Now	$52,500	2054	* *	5	$8,800	1
Dry Rot/Decay, Extent : Severe, Area Affected : 80%								
Location : Throughout								
Parapets								
Masonry: Brick	90%	Now	$20,200	LIFE	* *	5	$1,600	
Painted Surfaces, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Masonry: Limestone	5%			LIFE	* *	5	$100	
Pre-Cast Concrete	5%			LIFE	* *	5	$600	
Roof								
Asphalt Shingle	20%			2038	* *	10	$400	
Modified Bitumen	60%			2034	* *	10	$6,600	
Roll Roofing	20%	Now	$2,900	2028	$9,700	5	$1,800	
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 10%								
Location : Over Weight Room								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Over Weight Room								
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 307/LADDER CO. 154
Asset # : 13192

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	$55,800	LIFE	* *	5	$11,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 50%								
Location : Apparatus Room								
Deflection Evident, Extent : Severe, Area Affected : 50%								
Location : Apparatus Floor								
Other Observation, Extent : Moderate, Area Affected : 60%								
Location : Basement Below Apparatus Room								
Explanation : Steel Columns Shoring Up Apparatus Room Floor								
Ceramic Tile	5%	Now	$10,400	2044	* *	5	$300	
Cracking/Crumbling, Extent : Severe, Area Affected : 80%								
Location : All Bathrooms								
Quarry Tile	5%	4+	$300	2042	* *	5	$400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : Kitchen								
Traffic Topping	5%			2034	* *	5	$600	
Vinyl Tile	30%	Now	$27,400	2039	* *	3	$1,100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 50%								
Location : Second Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 30%								
Location : Second Floor								
Other Observation, Extent : Light, Area Affected : 50%								
Location : Second Floor								
Explanation : 9x9 Tiles								
Wood	5%			2057	* *	5	$900	
Interior Walls								
Ceramic Tile	5%	Now	$4,100	2038	* *	5	$300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Bathrooms								
Masonry: Brick	20%			LIFE	* *			
Plaster	50%	Now	$11,800	LIFE	* *	5	$2,100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor - Bunk Room								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor - Bunk Room								
SGFT/Glazed Masonry	25%			LIFE	* *			

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FIRE DEPARTMENT - 057
ENGINE CO. 307/LADDER CO. 154
Asset # : 13192

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	15%			2042	* *	5	$1,500	
Exposed Concrete	30%	Now	$103,500	LIFE	* *	5	$500	
Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
Location : Basement								
Exposed Reinforcement, Extent : Severe, Area Affected : 40%								
Location : Basement								
Water Penetration, Extent : Moderate, Area Affected : 40%								
Location : Basement								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Basement								
Explanation : Steel Columns Shring Up Apparatus Floor.								
Gypsum Board	10%			LIFE	* *	5	$1,300	
Plaster	45%			LIFE	* *	5	$2,800	
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	$1,800	2049	* *			
Other Observation, Extent : Severe, Area Affected : 40%								
Location : Side Yard								
Explanation : Fence Inoperable								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2034	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	85%			2042	* *			
Pavers/Stone	15%			2038	* *			

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%			2029	$5,200	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%			2029	$52,200	5	$200	
Raceway								
Conduit	100%			2029	$33,500	1		
Panelboards								
Fused Disc Sw	25%			2028	$10,300	5		
Molded Case Bkrs	75%			2028	$30,900	5	$100	

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FIRE DEPARTMENT - 057
ENGINE CO. 307/LADDER CO. 154
Asset # : 13192

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								
Wiring								
Thermoplastic	100%			2029	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5		
Ground								
Grounding Devices								
Generic	100%	2-4	$10,200	LIFE	* *	5	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : Corroded								
Lighting								
Interior Lighting								
LED	100%			2037	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : LED Light Fixtures								
Exterior Lighting								
HID	15%			2024	$3,800	10		
HID	15%	Now	$3,800	2039	* *			
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Right Side Of The Building								
Explanation : Not Functional								
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								
Energy Source								
Natural Gas	100%			2039	* *	1		
Conversion Equipment								
Steam Boiler	100%			2034	* *	1	$6,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	10%	0-2	$600	2029	$2,800			
Leak Evident, Extent : Moderate, Area Affected : 50%								
Location : Valves, Various Locations								
Steam Piping/Pump	90%			2029	$24,800			
Terminal Devices								
Convector/Radiator	100%			2027	$33,400	1	$2,000	
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 307/LADDER CO. 154
Asset # : 13192

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								
Conversion Equipment								
Reciprocating Compr/Chiller	20%	0-2	$500	2024	$10,600	1	$500	
Not Energy Efficient, Extent : Moderate, Area Affected : 10%								
Location : Unit For Bunk Room								
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : Roof								
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1 In Gymnasium, 1 In Bunk Room								
Explanation : 2 Units								
Window/Wall Unit	30%	0-2	$1,200	2024	$3,900	1		
Not Energy Efficient, Extent : Moderate, Area Affected : 70%								
Location : Various Locations								
No Component	50%							
Terminal Devices								
Fan Coil - 2 Pipe	20%			2024	$11,900	1	$400	
No Component	80%							
Heat Rejection								
Air Cooled Condenser Unit	20%			2024	$1,300	2	$900	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	30%			LIFE	* *	2-5	$1,000	
No Component	70%							
Exhaust Fans								
Interior	20%			2024	$4,400	2		
Roof	10%			2024	$1,000	2		
Wall Unit	20%	0-2	$400	2039	* *	2		
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Floor								
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%	0-2	$2,300	2039	* *	1		
Corroded, Extent : Moderate, Area Affected : 10%								
Location : Causing Low Pressure In 2nd Floor								
Water Heater								
Gas Fired	100%			2024	$3,800	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 74 Gallon Units.								

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FIRE DEPARTMENT - 057
ENGINE CO. 307/LADDER CO. 154
Asset # : 13192

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								
Sanitary Piping								
Cast Iron	20%	0-2	$2,700	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Floor And Backyard / Basement								
Leak Evident, Extent : Moderate, Area Affected : 30%								
Location : 2nd Floor Bathrooms								
Cast Iron	80%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%	0-2	$700	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Corroded, Extent : Moderate, Area Affected : 15%								
Location : Basement								
Sump Pump(s)								
Non-Submersible	100%	0-2	$1,000	2039	* *	4	$100	
Not in Service, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Fixtures								
Generic	100%							
Obsolete Fixtures, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Fire Suppression								
Chemical System								
Generic	100%			2022	$27,900	1-3	$4,000	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **03-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **9598** **Lot** : **10**	**BIN**	: **4205407**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Interior Architecture	$70,100	
Electrical		$26,800
Mechanical		$44,400
Site Enclosure	$61,800	
Total	**$131,900**	**$71,100**
Importance Code B	$131,900	$71,100
Total	**$131,900**	**$71,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$27,500		$8,200	
Interior Architecture	$6,300	$900	$200	
Electrical	$500	$2,200	$500	$400
Mechanical	$15,200	$1,200	$7,600	$1,100
Site Enclosure	$16,500			
Site Pavements	$5,800			
Total	**$71,800**	**$4,300**	**$16,500**	**$1,500**
Importance Code A	$28,100	$600	$8,800	$600
Importance Code B	$17,400	$3,700	$7,700	$900
Importance Code C	$26,300			
Total	**$71,800**	**$4,300**	**$16,500**	**$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. 308
Asset # : 13193

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	5%			LIFE	* *	5	$5,300	
Masonry: Brick	73%			LIFE	* *	5	$15,600	
Masonry: Granite	2%			LIFE	* *	5	$300	
Masonry: Limestone	10%			LIFE	* *	5	$1,600	
Metal Sect. OHD	10%			2042	* *	5	$6,700	
Windows								
Aluminum	100%	Now	$17,000	2045	* *	5	$900	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%								
Location : Second Floor Bunk Room								
Hardware Missing, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Basement Areaways								
Parapets								
Masonry: Brick	90%	2-4	$7,200	LIFE	* *	5	$2,300	
Spalling, Extent : Moderate, Area Affected : 10%								
Location : Side Facades								
Masonry: Limestone	5%			LIFE	* *	5	$200	
Pre-Cast Concrete	5%			LIFE	* *	5	$800	
Roof								
Modified Bitumen	100%			2034	* *	10	$8,200	
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	* *	5	$8,800	
Ceramic Tile	10%			2038	* *	5	$900	
Quarry Tile	5%			2042	* *	5	$700	
Vinyl Tile	40%			2029	$32,300	3	$1,300	
Interior Walls								
Cast in Place Concrete	10%			LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Gypsum Board	10%			LIFE	* *	5	$900	
Masonry: Brick	10%	Now	$5,900	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 25%								
Location : East Side Of Basement								
Plaster	35%			LIFE	* *	5	$1,500	
SGFT/Glazed Masonry	35%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	5%			2034	* *	5	$400	
Exposed Struc: Steel	70%	Now	$70,100	LIFE	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 50%								
Location : Below Sidewalk								
Water Penetration, Extent : Moderate, Area Affected : 25%								
Location : Below Sidewalk								
Plaster	25%			LIFE	* *	5	$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. 308
Asset # : 13193

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 Enclosure								
Fence/Gates								
Chain Link	100%	0-2	$15,000	2039	* *			
Corrosion/Rusting, Extent : Light, Area Affected : 60%								
Location : Throughout								
Retaining Walls								
Cast in Place Concrete	25%	Now	$1,500	2079	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Areaways								
Exposed Reinforcement, Extent : Moderate, Area Affected : 15%								
Location : Areaways								
Water Penetration, Extent : Moderate, Area Affected : 50%								
Location : Areaways								
Masonry: Brick	75%	Now	$61,800	2059	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 75%								
Location : West Side Of Property								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 90%								
Location : West Side Of Property								
Water Penetration, Extent : Moderate, Area Affected : 50%								
Location : West Side Of Property								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	2-4	$500	2034	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
On-Site Walkways								
Cast in Place Concrete	100%	Now	$4,600	2034	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Ponding, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Sinking/Subsiding, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Parking/Driveway								
Cast in Place Concrete	100%	0-2	$700	2034	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								

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%			2049	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Ampere Main Disconnect Switch								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2049	* *	5	$200	
Raceway								
Conduit	70%			2029	$23,400	1		
Conduit	30%			2049	* *	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	65%			2028	$26,800	5	$100	
Molded Case Bkrs	30%			2045	* *	5		
Wiring								
Thermoplastic	70%			2029	$20,700	1		
Thermoplastic	30%			2049	* *	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2042	* *	1	$1,800	
Generators								
Diesel	100%			2038	* *	1	$2,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Backyard								
Explanation : One 80 Kilowatt								
Batteries								
Lead/Acid	100%			2023	$1,600	5	$200	
Fuel Storage								
Main Tank	100%			2057	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Backyard								
Explanation : One 60 Gallon Tank Built-in To The Generator								
Lighting								
Interior Lighting								
LED	100%			2039	* *			
Egress Lighting								
Emergency, Service	70%			2039	* *	1		
Exit, LED	30%			2069	* *	1		
Exterior Lighting								
LED	100%			2039	* *			

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								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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%			2049	* *	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%			2039	* *	4	$400	
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Window/Wall Unit	50%			2024	$6,200	1		
No Component	50%							
Ventilation								
Exhaust Fans								
Interior	15%			2029	$3,200	2		
No Component	85%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%	Now	$8,900	2029	$44,400	1		
Corroded, Extent : Severe, Area Affected : 20%								
Location : Basement								
Water Heater								
Gas Fired	100%			2027	$3,600	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 75 Gallon Unit								
Sanitary Piping								
Cast Iron	100%	Now	$4,400	LIFE	* *	1		
Corroded, Extent : Severe, Area Affected : 20%								
Location : Basement								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%	Now	$900	2039	* *	4	$100	
Malfunctioning, Extent : Severe, Area Affected : 100%								
Location : Basement								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2027	$27,900	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.*

FIRE DEPARTMENT - 057
ENGINE CO. 308
Asset # : 13193

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **8488** **Lot** : **16**	**BIN**	: **3239495**

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$24,800			$7,700
Interior Architecture	$16,500			$400
Electrical	$100	$100	$100	$100
Mechanical	$29,300	$900	$1,000	$1,300
Total	**$70,700**	**$1,000**	**$1,000**	**$9,500**
Importance Code A	$25,300	$500	$500	$8,200
Importance Code B	$31,100	$500	$500	$1,300
Importance Code C	$14,300			
Total	**$70,700**	**$1,000**	**$1,000**	**$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. 309/LADDER CO. 159
Asset # : 13194

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	73%			LIFE	* *	5	$18,900	
Recent Repair Evident, Extent : Light, Area Affected : 100%								
Location : Facade								
Masonry: Granite	2%			LIFE	* *	5	$400	
Masonry: Limestone	5%	Now	$15,100	LIFE	* *	5	$1,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Main Facade West								
Metal Panel	5%			2055	* *	5-10	$8,900	
Recent Construction, Extent : Light, Area Affected : 5%								
Location : Facade								
Wood Overhead Doors	15%			2042	* *	5	$19,400	
Windows								
Aluminum	100%			2045	* *	5	$1,900	
Parapets								
Cast Stone/Terra Cotta	14%			LIFE	* *	5	$2,000	
Masonry: Brick	70%			LIFE	* *	5	$1,300	
Masonry: Limestone	8%			LIFE	* *	5	$200	
Metal Panel	8%			2055	* *	5	$600	
Roof								
Modified Bitumen	100%			2037	* *	10	$8,000	
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	* *	5	$9,200	
Ceramic Tile	5%			2042	* *	5	$400	
Quarry Tile	5%			2042	* *	5	$600	
Vinyl Tile	40%			2034	* *	3	$1,700	
Interior Walls								
Cast in Place Concrete	20%			LIFE	* *			
Gypsum Board	20%			LIFE	* *	5	$1,400	
Masonry: Brick	10%			LIFE	* *			
Plaster	20%			LIFE	* *	5	$700	
SGFT/Glazed Masonry	30%	Now	$14,300	LIFE	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Ceilings								
AcousTileSusp.Lay-In	30%			2042	* *	5	$2,500	
Exposed Concrete	40%			LIFE	* *	5	$500	
Plaster	30%			LIFE	* *	5	$1,600	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2055	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			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.
*** 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		
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	95%			2046	* *			
Pavers/Stone	5%			2042	* *			

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%			2055	* *	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%			2055	* *	5	$100	
Raceway								
Conduit	100%			2055	* *	1		
Panelboards								
Fused Disc Sw	20%			2051	* *	5		
Molded Case Bkrs	80%			2051	* *	5	$100	
Wiring								
Thermoplastic	100%			2055	* *	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
Fluorescent	100%			2037	* *	10	$4,500	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Egress Lighting								
Emergency, Service	50%			2037	* *	1		
Exit, LED	50%			2064	* *	1		
Exterior Lighting								
Fluorescent	20%			2037	* *	10	$100	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Front Of The Building								
No Component	80%							
Alarm								
Security System								
No Component	70%							
Generic	30%			2037	* *	1	$600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front Of The Building								
Explanation : CCTV Surveillance Cameras								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$4,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	100%			2039	* *			
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$1,600	
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Window/Wall Unit	50%			2027	$5,100	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	* *	2-5	$300	
No Component	90%							
Exhaust Fans								
Roof	20%			2029	$1,600	2		
Wall Unit	15%			2034	* *	2		
No Component	65%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	* *	1		
Water Heater								
Gas Fired	100%			2027	$3,000	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units / 74 Gallons								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%	Now		2022	$200	4	$100	
Cracked, Extent : Severe, Area Affected : 5%								
Location : The Pipe, Basement								
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. 309/LADDER CO. 159
Asset # : 13194

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								
Generic	100%			2022	$27,900	1-3	$4,000	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Electrical	$52,200	$41,200
Total	**$52,200**	**$41,200**
Importance Code B	$52,200	$41,200
Total	**$52,200**	**$41,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$4,600	$5,800		
Interior Architecture	$4,100	$2,600	$1,000	
Electrical	$7,800		$100	$2,200
Mechanical	$5,000	$1,100	$1,000	$3,300
Site Enclosure	$26,600			
Site Pavements	$1,800			
Total	**$49,900**	**$9,500**	**$2,100**	**$5,500**
Importance Code A	$10,400	$6,300	$600	$600
Importance Code B	$7,000	$3,200	$1,200	$5,000
Importance Code C	$32,500		$300	
Total	**$49,900**	**$9,500**	**$2,100**	**$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
ENGINE CO. 310/LADDER CO. 174
Asset # : 13195

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	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+	$4,600	LIFE	* *	5	$100	
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Cornice								
Pre-Cast Concrete	10%			LIFE	* *	5	$1,300	
Roof								
Asphalt Shingle	8%			2039	* *	10	$100	
Modified Bitumen	92%			2038	* *	10	$7,600	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Main Roof								
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	$4,100	LIFE	* *	5	$1,500	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Engine Room Office By Front Facade								
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	$26,600	2060	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Corrosion/Rusting, Extent : Moderate, Area Affected : 100%								
Location : Side Yard								
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		
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	$1,800	2043	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Parking/Driveway								
Cast in Place Concrete	100%			2043	* *			

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%	4+	$5,200	2060	* *	5		
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+	$52,200	2060	* *	5	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement Electrical Room								
Explanation : External Rust On Cabinet								
Raceway								
Conduit	80%			2030	$26,800	1		
Conduit	20%			2050	* *	1		
Panelboards								
Molded Case Bkrs	100%			2029	$41,200	5	$200	
Wiring								
Thermoplastic	100%			2030	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2028	$15,400	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Boiler Room								
Explanation : Controls For Heating System								
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
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.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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	85%			2040	* *	10	$4,600	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Fluorescent	10%			2025	$1,700	10	$500	
LED	5%	Now	$2,600	2040	* *			
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement Gymnasium								
Explanation : LED Lighting Has Failed								
Exterior Lighting								
HID	50%			2030	$11,800	10		
No Component	50%							

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%			2040	* *	1		
Conversion Equipment								
Steam Boiler	100%			2035	* *	1	$5,800	
Distribution								
Steam Piping/Pump	100%	2-4	$2,600	2040	* *			
Controller Not Working, Extent : Severe, Area Affected : 60%								
Location : Basement Vacuum Pump Shuts Off On High Water								
Leak Evident, Extent : Moderate, Area Affected : 40%								
Location : Leaky Pipes In Basement								
Terminal Devices								
Convector/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	$2,400	1		
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	25%			LIFE	* *	2-5	$800	
No Component	75%							
Exhaust Fans								
Roof	25%			2035	* *	2		
Recent Replace Evident, Extent : Light, Area Affected : 25%								
Location : Roof								
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		
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								
Gas Fired	100%			2028	$3,600	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Cellar								
Explanation : One 74 Gallon Unit And Old Unit Remaining In Corner								
Sanitary Piping								
Cast Iron	6%	Now	$1,500	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 100%								
Location : Occasional Back Up In Basement.								
Cast Iron	94%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2023	$200	4	$200	
Backflow Preventer								
Generic	100%			2035	* *	1	$400	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	98%							
Generic	2%			2030	$600	1-3	$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.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **28-Jun-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **13361** **Lot** : **200**	**BIN**	: **4286093**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$47,500	
Interior Architecture	$236,700	
Electrical		$83,000
Total	**$284,200**	**$83,000**
Importance Code A	$47,500	
Importance Code B	$236,700	$83,000
Total	**$284,200**	**$83,000**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$6,000		$5,300	$1,700
Interior Architecture	$52,700	$700		$700
Electrical	$27,500	$100	$39,100	
Mechanical	$4,000	$1,200	$1,800	$1,100
Site Enclosure	$200			
Site Pavements	$3,800			
Total	**$94,100**	**$1,900**	**$46,200**	**$3,600**
Importance Code A	$6,600	$600	$5,900	$2,300
Importance Code B	$56,900	$1,100	$40,200	$1,200
Importance Code C	$30,600	$300		
Total	**$94,100**	**$1,900**	**$46,200**	**$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.*

FIRE DEPARTMENT - 057
ENGINE CO. 311/LADDER CO. 158
Asset # : 13196

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								
Alum/Vinyl Siding	10%			2049	* *	10	$700	
Masonry: Brick	70%	Now	$47,500	LIFE	* *	5	$14,800	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
Location : North Side								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : North Side								
Masonry: Granite	2%			LIFE	* *	5	$300	
Masonry: Limestone	8%			LIFE	* *	5	$1,300	
Wood Overhead Doors	10%			2034	* *	5	$10,500	
Windows								
Aluminum	100%			2045	* *	5	$1,800	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5	$1,400	
Masonry: Brick	90%			LIFE	* *	5	$1,600	
Roof								
Modified Bitumen	97%	2-4	$6,000	2034	* *			
Blisters, Extent : Light, Area Affected : 10%								
Location : Throughout								
Skylight, Metal/Glass	3%			2055	* *	10	$900	
Soffits								
Alum/Vinyl Siding	100%			2049	* *	10		
Interior								
Floors								
Cast in Place Concrete	40%	Now	$81,300	LIFE	* *	5	$12,800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Floor								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Through Apparatus Floor Into Basement								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : Structurally Insufficient								
Ceramic Tile	5%			2038	* *	5	$700	
Quarry Tile	15%	Now	$6,700	2042	* *	5	$1,600	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout Kitchen								
Vinyl Tile	40%	Now	$16,000	2024	$53,200	3	$2,200	
Cracking/Crumbling, Extent : Severe, Area Affected : 40%								
Location : Throughout								

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*** 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		
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	$16,700	LIFE	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout Basement								
Ceramic Tile	5%			2038	* *	5	$600	
Plaster	45%	Now	$4,800	LIFE	* *	5	$1,700	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Water Penetration, Extent : Light, Area Affected : 5%								
Location : North Wall								
SGFT/Glazed Masonry	30%	0-2	$7,700	LIFE	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Ceilings								
AcousTileSusp.Lay-In	5%	0-2	$800	2034	* *	5	$200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Throughout Kitchen								
Cracking/Crumbling, Extent : Severe, Area Affected : 60%								
Location : Throughout Kitchen								
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : Throughout Kitchen								
Exposed Concrete	55%	Now	$102,100	LIFE	* *	5	$800	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : East Side Of Building								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Underside Of Apparatus Floor Slab In Cellar								
Explanation : Structurally Insufficient								
Plaster	40%			LIFE	* *	5	$2,300	
Paint Peeling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Site Enclosure								
Fence/Gates								
Chain Link	15%	4+	$200	2049	* *			
Impact Damage, Extent : Light, Area Affected : 10%								
Location : North Side								
Wood	85%			2027	$33,600			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	$1,100	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
On-Site Walkways								
Cast in Place Concrete	10%			2042	* *			
Wood	90%			2024		1-3		

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FIRE DEPARTMENT - 057
ENGINE CO. 311/LADDER CO. 158
Asset # : 13196

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								
Asphalt	75%			2038	* *			
Cast in Place Concrete	25%	Now	$1,300	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Front Apron								
Sinking/Subsiding, Extent : Light, Area Affected : 5%								
Location : Front Apron								
Activity Yard								
Cast in Place Concrete	100%	4+	$1,400	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								

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								
Molded Case Bkrs	100%			2029	$5,200	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	$52,200	5	$200	
Raceway								
Conduit	20%			2049	* *	1		
Conduit	80%			2029	$26,800	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	20%			2045	* *	5		
Molded Case Bkrs	75%			2028	$30,900	5	$100	
Wiring								
Braided Cloth	80%	0-2	$23,700	2054	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Thermoplastic	20%			2049	* *	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Under Construction	100%							
Generators								
Under Construction	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. 311/LADDER CO. 158
Asset # : 13196

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
Stand-by Power								
Batteries								
Under Construction	100%							
Fuel Storage								
Under Construction	100%							
Lighting								
Interior Lighting								
Fluorescent	75%	Now	$3,800	2024	$12,600			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-12 Lamps								
Fluorescent	20%			2034	* *	10	$1,100	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Garage 1st Floor								
Incandescent	5%			2024	$2,000	2		
Exterior Lighting								
HID	100%			2024	$23,300	10		

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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$5,700	
Distribution								
Central Plant Steam Piping/Pmp	100%			2039	* *	4	$400	
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Window/Wall Unit	40%			2027	$4,800	1		
No Component	60%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$3,200	
Exhaust Fans								
Interior	100%			2029	$20,600	2	$200	
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2034	* *	1		

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*** 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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Water Heater								
Gas Fired	100%			2028	$3,500	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units								
Sanitary Piping								
Cast Iron	100%	Now	$2,100	LIFE	* *	1		
Leak Evident, Extent : Severe, Area Affected : 15%								
Location : Basement When It Rains								
Storm Drain Piping								
Cast Iron	100%	Now	$600	LIFE	* *	1		
Leak Evident, Extent : Severe, Area Affected : 10%								
Location : Basement, High Water Table								
Sump Pump(s)								
Submersible	100%			2022	$200	4	$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2027	$27,900	1-3	$3,700	

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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.
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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **27-Apr-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **822** **Lot** : **7**	**BIN**	: **4016405**

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$34,600			
Interior Architecture	$22,200	$600		$100
Electrical	$300	$300	$6,600	$400
Mechanical	$1,100	$1,100	$1,300	$1,000
Site Pavements	$2,200			
Total	**$60,500**	**$2,000**	**$7,900**	**$1,500**
Importance Code A	$35,100	$500	$500	$500
Importance Code B	$20,300	$1,000	$7,400	$1,000
Importance Code C	$5,100	$600		
Total	**$60,500**	**$2,000**	**$7,900**	**$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.*

FIRE DEPARTMENT - 057
ENGINE CO. 312
Asset # : 13197

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	75%			LIFE	* *	5	$12,900	
Masonry: Granite	8%			LIFE	* *	5	$1,000	
Masonry: Limestone	10%	0-2	$20,100	LIFE	* *	5	$1,300	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Wood Overhead Doors	7%	0-2	$8,100	2034	* *	5	$3,000	
Deteriorated Finish, Extent : Light, Area Affected : 20%								
Location : Throughout								
Other Observation, Extent : Light, Area Affected : 10%								
Location : Apparatus Door								
Explanation : Malfunctioning								
Windows								
Aluminum	100%	Now	$400	2045	* *	5	$200	
Unit Inoperable, Extent : Severe, Area Affected : 1%								
Location : Engine Office								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5	$500	
Masonry: Brick	90%	4+	$1,700	LIFE	* *	5	$600	
Other Observation, Extent : Moderate, Area Affected : 5%								
Location : Parapet Wall								
Explanation : Loose And Missing Cap Flashing								
Roof								
Modified Bitumen	95%	4+	$1,800	2034	* *			
Water Penetration, Extent : Moderate, Area Affected : 2%								
Location : Bunker Room								
Skylight, Metal/Glass	5%	0-2	$2,500	2039	* *			
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Throughout, Bathroom								
Interior								
Floors								
Cast in Place Concrete	50%	0-2	$1,900	LIFE	* *	5	$7,500	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Ceramic Tile	13%	0-2	$900	2038	* *	5	$400	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Throughout								
Terrazzo	4%	0-2	$700	LIFE	* *	5	$200	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout, Toilet Room								
Traffic Topping	20%	Now	$900	2029	$18,200	5	$900	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Vinyl Tile	13%	Now	$8,100	2039	* *	3	$300	
Cracking/Crumbling, Extent : Severe, Area Affected : 50%								
Location : Throughout								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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%			LIFE	* *			
Ceramic Tile	13%			2038	* *	5	$1,200	
Gypsum Board	10%	0-2	$200	LIFE	* *	5	$600	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Throughout								
Marble Panels	7%	0-2	$2,800	LIFE	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Plaster	25%	Now	$2,000	LIFE	* *	5	$700	
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : Around Window In Bunker Room 2nd Floor								
SGFT/Glazed Masonry	20%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	7%	Now	$2,500	2034	* *	5	$200	
Cracking/Crumbling, Extent : Severe, Area Affected : 80%								
Location : Female Bathroom								
AcousTileSusp.Lay-In	3%			2042	* *	5	$200	
Exposed Struc: Steel	30%			LIFE	* *			
Gypsum Board	20%			LIFE	* *	5	$1,700	
Plaster	40%	Now	$1,900	LIFE	* *	5	$1,700	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Bunker Room								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2039	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	0-2	$2,200	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : 35th Street								
On-Site Walkways								
Cast in Place Concrete	100%			2034	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2034	* *			

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								
Molded Case Bkrs	100%			2049	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Ampere Main Disconnect Switch								

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. 312
Asset # : 13197

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								
Raceway								
Conduit	95%			2029	$31,800	1		
Conduit	5%			2049	* *	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	95%			2045	* *	5	$100	
Wiring								
Thermoplastic	10%			2029	$3,000	1		
Thermoplastic	90%			2049	* *	1		
Motor Controllers								
Locally Mounted	100%			2042	* *	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2049	* *	1	$1,400	
Generators								
Diesel	100%			2044	* *	1	$1,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Backyard								
Explanation : One 60 Kilowatt								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$200	
Fuel Storage								
Main Tank	100%			2069	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Backyard								
Explanation : One 120 Gallon								
Lighting								
Interior Lighting								
Fluorescent	99%			2034	* *	10	$4,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Incandescent	1%			2024	$300	2		
Egress Lighting								
Emergency, Service	70%			2034	* *	1		
Exit, Service	30%			2034	* *	1		
Exterior Lighting								
HID	100%			2034	* *	10		

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								

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FIRE DEPARTMENT - 057
ENGINE CO. 312
Asset # : 13197

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%			2055	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$4,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Central Plant Steam Piping/Pmp	100%			2049	* *	4	$200	
Terminal Devices								
Convector/Radiator	100%			2042	* *	1	$1,500	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Window/Wall Unit	50%			2027	$4,800	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	15%			LIFE	* *	2-5	$400	
No Component	85%							
Exhaust Fans								
Roof	15%			2034	* *	2		
Wall Unit	10%			2029	$200	2		
No Component	75%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	* *	1		
Water Heater								
Gas Fired	100%			2027	$2,800	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%	Now	$200	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 10%								
Location : Water Backs Up When It Rains								
Sump Pump(s)								
Submersible	100%			2023	$200	4	$100	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2027	$27,900	1-3	$3,700	

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FIRE DEPARTMENT - 057
ENGINE CO. 312
Asset # : 13197

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **8112** **Lot** : **192**	**BIN**	: **4168901**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$98,100
Electrical		$8,200
Total		**$106,300**
Importance Code A		$98,100
Importance Code B		$8,200
Total		**$106,300**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$29,800		$3,000	
Interior Architecture	$54,900	$800		
Electrical			$14,200	
Mechanical	$1,200	$1,000	$8,100	$1,300
Site Pavements	$3,700			
Total	**$89,700**	**$1,700**	**$25,300**	**$1,300**
Importance Code A	$30,500	$700	$3,800	$700
Importance Code B	$36,400	$700	$21,400	$600
Importance Code C	$22,700	$400		
Total	**$89,700**	**$1,700**	**$25,300**	**$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. 313/LADDER CO. 164
Asset # : 13198

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								
Alum/Vinyl Siding	10%			2039	* *	10	$800	
Masonry: Brick	80%			LIFE	* *	5	$19,400	
Masonry: Granite	2%			LIFE	* *	5	$400	
Masonry: Limestone	3%			LIFE	* *	5	$500	
Wood Overhead Doors	5%			2034	* *	5	$6,100	
Windows								
Aluminum	100%	0-2	$3,800	2051	* *	5	$800	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	* *	5	$3,500	
Masonry: Brick	80%	0-2	$22,400	LIFE	* *	5	$1,800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout Parapet								
Spalling, Extent : Moderate, Area Affected : 20%								
Location : Throughout Parapet								
Roof								
Asphalt Shingle	20%	0-2	$1,200	2032	* *			
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%								
Location : Where Asphalt Roof Meets Brick Exterior Wall								
Modified Bitumen	10%	0-2	$2,500	2029	$12,300			
Vegetation Growth, Extent : Moderate, Area Affected : 25%								
Location : Lower Roof								
Modified Bitumen	70%			2029	$85,800	10	$5,900	
Interior								
Floors								
Cast in Place Concrete	55%	Now	$12,900	LIFE	* *	5	$12,700	
Other Observation, Extent : Moderate, Area Affected : 15%								
Location : Front Of Basement								
Explanation : Water Stains / Damage Due To Water Penetrations From Walls								
Ceramic Tile	10%			2032	* *	5	$1,100	
Quarry Tile	5%			2042	* *	5	$800	
Vinyl Tile	30%			2029	$28,800	3	$1,200	
Interior Walls								
Cast in Place Concrete	20%	Now	$19,600	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Ceramic Tile	5%			2038	* *	5	$700	
Plaster	50%	Now	$3,100	LIFE	* *	5	$2,200	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Kitchen								
Water Penetration, Extent : Moderate, Area Affected : 25%								
Location : 2nd Floor								
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. 313/LADDER CO. 164
Asset # : 13198

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	10%			2042	* *	5	$1,100	
Exposed Concrete	25%			LIFE	* *	5	$400	
Exposed Struc: Steel	25%			LIFE	* *			
Plaster	40%	Now	$17,800	LIFE	* *	5	$2,600	
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : 2nd Floor Back And Engine Office								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	$3,700	2042	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : 224th Street In Front Of Building								
Parking/Driveway								
Asphalt	80%			2038	* *			
Pavers/Stone	20%			2038	* *			

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								
Molded Case Bkrs	100%			2029	$5,200	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Raceway								
Conduit	90%			2029	$30,100	1		
Conduit	10%			2059	* *	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	20%			2028	$8,200	5		
Molded Case Bkrs	75%			2054	* *	5	$100	
Wiring								
Thermoplastic	70%			2029	$20,700	1		
Thermoplastic	30%			2059	* *	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Under Construction	100%							

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FIRE DEPARTMENT - 057
ENGINE CO. 313/LADDER CO. 164
Asset # : 13198

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
Stand-by Power								
Generators								
Under Construction	100%							
Batteries								
Under Construction	100%							
Fuel Storage								
Under Construction	100%							
Lighting								
Interior Lighting								
LED	100%			2039	* *			
Egress Lighting								
Emergency, Service	70%			2039	* *	1		
Exit, LED	30%			2069	* *	1		
Exterior Lighting								
HID	50%			2024	$14,000	10		
LED	50%			2039	* *			

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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$6,900	
Distribution								
Hot Wtr Piping/Pump	100%			2037	* *	4	$300	
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$2,200	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	50%			2039	* *	2	$200	
Window/Wall Unit	20%			2024	$2,900	1		
No Component	30%							
Ventilation								
Exhaust Fans								
Interior	20%			2029	$4,900	2		
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
No Water Meter, Extent : Light, Area Affected : 100%								
Location : Basement								

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FIRE DEPARTMENT - 057
ENGINE CO. 313/LADDER CO. 164
Asset # : 13198

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								
Gas Fired	100%			2024	$4,200	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$200	4	$200	
Sewage Ejector(s)								
Electric	100%			2029	$2,000	4	$300	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : Light Duty / Serves Basement Bathroom Only / Connected With Extension Cord								
Backflow Preventer								
No Component	95%							
Generic	5%			2034	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Boiler Only								
Fixtures								
Generic	100%							

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **28-Mar-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **13538** **Lot** : **15**	**BIN**	: **4287743**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$454,500	
Interior Architecture	$109,800	
Electrical		$52,200
Site Enclosure	$53,900	
Total	**$618,200**	**$52,200**
Importance Code A	$454,500	
Importance Code B	$109,800	$52,200
Importance Code C	$53,900	
Total	**$618,200**	**$52,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$8,400		$4,700	
Interior Architecture	$70,100		$20,200	$300
Electrical	$10,200		$11,800	
Mechanical	$11,200	$1,100	$29,400	$1,100
Site Pavements	$33,100			
Total	**$133,000**	**$1,100**	**$66,000**	**$1,400**
Importance Code A	$9,000	$600	$5,300	$600
Importance Code B	$61,300	$500	$60,700	$800
Importance Code C	$62,700			
Total	**$133,000**	**$1,100**	**$66,000**	**$1,400**



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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		
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	$384,200	LIFE	* *	5	$19,900	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 60%								
Location : Throughout East Facade								
Paint Peeling, Extent : Moderate, Area Affected : 5%								
Location : Rear Facade Next To Door, North Facade								
Vegetation Growth, Extent : Moderate, Area Affected : 5%								
Location : Rear Facade Next To Door								
Water Penetration, Extent : Severe, Area Affected : 50%								
Location : North And East Facade								
Other Observation, Extent : Severe, Area Affected : 50%								
Location : North And East Facade								
Explanation : Moisture And Water Trapped Behind Paint And Going Through Open Joints								
Masonry: Granite	2%			LIFE	* *	5	$400	
Masonry: Limestone	5%			LIFE	* *	5	$900	
Wood Overhead Doors	8%			2034	* *	5	$9,400	
Windows								
Aluminum	100%	4+	$8,400	2037	* *	5	$900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5	$1,600	
Masonry: Brick	90%			LIFE	* *	5	$1,900	
Painted Surfaces, Extent : Light, Area Affected : 100%								
Location : Roof Parapet Wall								
Roof								
Modified Bitumen	100%	0-2	$70,300	2034	* *			
Drains Clogged, Extent : Severe, Area Affected : 5%								
Location : Roof								
Ponding, Extent : Moderate, Area Affected : 10%								
Location : Roof								
Seams Open/Split, Extent : Moderate, Area Affected : 10%								
Location : Roof								
Other Observation, Extent : Severe, Area Affected : 20%								
Location : Roof								
Explanation : Air Pockets Trapping Water								
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. 314
Asset # : 13199

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	30%	Now	$17,700	LIFE	* *	5	$5,800	
Cracking/Crumbling, Extent : Severe, Area Affected : 40%								
Location : 1st Floor - Apparatus Floor Slab								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Apparatus Floor Slab Supported By Temp Floor Jacks In Basement								
Explanation : Structurally Insufficient								
Cast in Place Concrete	30%	4+	$5,900	LIFE	* *	5	$5,800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Basement At Windows								
Ceramic Tile	10%			2042	* *	5	$900	
Quarry Tile	4%			2042	* *	5	$500	
Sheet Vinyl/Rubber	1%			2034	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Laminate Wood Flooring								
Vinyl Tile	25%	0-2	$6,000	2024	$20,100	3	$800	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Office At North/ East								
Worn/Eroded, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Offices								
Interior Walls								
Ceramic Tile	10%			2042	* *	5	$1,200	
Gypsum Board	10%			LIFE	* *	5	$700	
Masonry: Brick	20%	0-2	$10,200	LIFE	* *			
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
Location : Throughout								
Plaster	30%	Now	$18,800	LIFE	* *	5	$1,100	
Cracking/Crumbling, Extent : Severe, Area Affected : 60%								
Location : 2nd Floor Sleeping Rooms And Offices								
Loose/Delam Surface, Extent : Severe, Area Affected : 40%								
Location : 2nd Floor Sleeping Areas								
Paint Peeling, Extent : Severe, Area Affected : 30%								
Location : 2nd Floor								
Water Penetration, Extent : Severe, Area Affected : 50%								
Location : North and East Wall From The Exterior								
SGFT/Glazed Masonry	30%			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. 314
Asset # : 13199

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								
Exposed Concrete	60%	Now	$109,800	LIFE	* *	5	$800	
Cracking/Crumbling, Extent : Severe, Area Affected : 40%								
Location : Throughout								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Cellar, Below Apparatus Slab								
Explanation : Structurally Insufficient								
Metal Panel	10%	0-2	$6,300	LIFE	* *	5	$1,100	
Broken/Missing Elements, Extent : Light, Area Affected : 30%								
Location : Throughout								
Plaster	30%	0-2	$3,700	LIFE	* *	5	$1,700	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	$53,900	2059	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 80%								
Location : North Side								
Corrosion/Rusting, Extent : Severe, Area Affected : 80%								
Location : North Side								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Asphalt	100%	Now	$33,100	2042	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 60%								
Location : Throughout Parking Area								
Potholes, Extent : Severe, Area Affected : 10%								
Location : Throughout Parking Area								
Sinking/Subsiding, Extent : Severe, Area Affected : 10%								
Location : Throughout Parking Area								

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%			2029	$5,200	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%			2029	$52,200	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. 314
Asset # : 13199

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								
Raceway								
Conduit	100%			2039	* *	1		
Panelboards								
Molded Case Bkrs	100%			2037	* *	5	$200	
Wiring								
Thermoplastic	100%			2039	* *	1		
Ground								
Grounding Devices								
Generic	100%	0-2	$10,200	LIFE	* *	5	$100	
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Lighting								
Interior Lighting								
Fluorescent	50%			2029	$8,900	10	$2,800	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : 1st Floor, Basement								
Fluorescent	50%			2024	$8,900	10	$2,800	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement, 2nd Floor								
Exterior Lighting								
HID	30%			2029	$7,400	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								
Energy Source								
Natural Gas	100%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$6,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Unit								
Distribution								
Steam Piping/Pump	3%	0-2	$200	2049	* *			
Leak Evident, Extent : Moderate, Area Affected : 100%								
Location : The Piping Behind The Boiler, Basement								
Steam Piping/Pump	97%			2039	* *			
Terminal Devices								
Convector/Radiator	100%			2027	$32,800	1	$2,000	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	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. 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
Air Conditioning								
Conversion Equipment								
Window/Wall Unit	40%			2022	$5,100	1		
No Component	60%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	* *	2-5	$300	
No Component	90%							
Exhaust Fans								
Roof	10%			2034	* *	2		
No Component	90%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2027	$3,700	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units								
Sanitary Piping								
Cast Iron	100%	Now	$4,500	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 15%								
Location : Parking Lot, Causng Flooding In Basement When It Rains.								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$200	4	$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2024	$27,900	1-3	$3,700	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **20-Apr-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **6854** **Lot** : **28**	**BIN**	: **4148377**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$124,700	
Electrical		$39,100
Total	**$124,700**	**$39,100**
Importance Code A	$124,700	
Importance Code B		$39,100
Total	**$124,700**	**$39,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$28,800			
Interior Architecture	$42,500	$600		$300
Electrical	$14,800	$100	$27,800	
Mechanical	$5,400	$1,100	$9,500	$1,100
Site Pavements	$2,100			
Total	**$93,600**	**$1,700**	**$37,300**	**$1,400**
Importance Code A	$29,400	$600	$600	$600
Importance Code B	$28,700	$600	$36,700	$800
Importance Code C	$35,600	$600		
Total	**$93,600**	**$1,700**	**$37,300**	**$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
ENGINE CO. 315/LADDER CO. 125
Asset # : 13200

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%	0-2	$15,700	LIFE	* *	5	$8,100	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Throughout Front Facade								
Masonry: Brick	85%			LIFE	* *	5	$17,700	
Masonry: Granite	5%	0-2	$13,100	LIFE	* *	5	$800	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%								
Location : Throughout Front Facade								
Wood Overhead Doors	5%	2-4	$35,100	2049	* *	5	$2,600	
Worn/Eroded, Extent : Severe, Area Affected : 100%								
Location : Front Elevation Apparatus Door								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front Facade								
Explanation : Malfunctioning Unit								
Windows								
Aluminum	100%	Now	$89,600	2054	* *	5	$1,000	
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 60%								
Location : Throughout								
Misaligned/Bulging, Extent : Moderate, Area Affected : 40%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5	$2,100	
Masonry: Brick	90%			LIFE	* *	5	$2,400	
Recent Repair Evident, Extent : Light, Area Affected : 50%								
Location : Repointing Throughout, 2012								
Roof								
Single Ply Membrane	100%			2039	* *	10	$8,500	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout, 2012								
Interior								
Floors								
Cast in Place Concrete	55%	2-4	$1,100	LIFE	* *	5	$11,000	
Ponding, Extent : Light, Area Affected : 10%								
Location : Throughout Basement								
Ceramic Tile	5%			2032	* *	5	$500	
Quarry Tile	5%			2042	* *	5	$700	
Terrazzo	5%			LIFE	* *	5	$400	
Vinyl Tile	30%	4+	$5,000	2029	$25,000	3	$1,000	
Worn/Eroded, Extent : Light, Area Affected : 15%								
Location : Throughout 2nd Floor								

Note : 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. 315/LADDER CO. 125
Asset # : 13200

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%			2038	* *	5	$1,200	
Masonry: Brick	25%			LIFE	* *			
Marble Panels	5%			LIFE	* *			
Plaster	30%	Now	$6,100	LIFE	* *	5	$1,100	
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : 2nd Floor Dormitory South Wall								
Paint Peeling, Extent : Severe, Area Affected : 10%								
Location : 2nd Floor Dormitory South Wall								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor Dormitory South Wall								
SGFT/Glazed Masonry	30%	0-2	$29,500	LIFE	* *			
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : Throughout Garage Area								
Ceilings								
AcousTileSusp.Lay-In	10%			2046	* *	5	$900	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Exposed Struc: Steel	30%			LIFE	* *			
Gypsum Board	5%	Now	$200	LIFE	* *	5	$600	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : 1st Floor Bathroom								
Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 10%								
Location : 1st Floor Bathroom								
Plaster	55%			LIFE	* *	5	$3,200	
Recent Repair Evident, Extent : Light, Area Affected : 20%								
Location : Throughout 2nd Floor, 2012								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	* *			
Retaining Walls								
Cast in Place Concrete	100%			2064	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	$2,100	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Front Of Building At Union Turnpike								
On-Site Walkways								
Cast in Place Concrete	100%			2034	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2034	* *			

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								

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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. 315/LADDER CO. 125
Asset # : 13200

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%			2029	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampers Main Disconnect Switch								
Raceway								
Conduit	95%			2029	$31,800	1		
Conduit	5%			2049	* *	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	95%			2028	$39,100	5	$100	
Wiring								
Braided Cloth	50%	2-4	$14,800	2054	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Thermoplastic	40%			2029	$11,800	1		
Thermoplastic	10%			2049	* *	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
Fluorescent	70%			2034	* *	10	$3,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement And 1st Floor								
Explanation : T-8 Lamps								
LED	30%			2037	* *			
Exterior Lighting								
HID	100%			2024	$24,000	10		

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%			2039	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$5,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Unit								
Distribution								
Steam Piping/Pump	100%			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
ENGINE CO. 315/LADDER CO. 125
Asset # : 13200

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								
Convector/Radiator	100%			2034	* *	1	$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Window/Wall Unit	50%	0-2	$1,200	2024	$6,200	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : The Units Are Down Constantly								
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	* *	2-5	$300	
No Component	90%							
Exhaust Fans								
Roof	10%			2029	$1,000	2		
Wall Unit	20%			2029	$400	2		
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	50%			2024	$1,800	2		
Gas Fired	50%	0-2	$100	2027	$1,800	2		
Not in Service, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Sanitary Piping								
Cast Iron	100%	0-2	$2,200	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 20%								
Location : Basement And Apparatus Floor								
Storm Drain Piping								
Cast Iron	100%	0-2	$600	LIFE	* *	1		
Leak Evident, Extent : Moderate, Area Affected : 5%								
Location : Gymnasium, Basement								
Sump Pump(s)								
Submersible	100%	0-2		2022	$200	4	$100	
Not in Service, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2027	$27,900	1-3	$3,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : 1 Set								

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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. 315/LADDER CO. 125
Asset # : 13200

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **03-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **1658** **Lot** : **5**	**BIN**	: **4041276**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Interior Architecture		$32,600
Electrical		$81,000
Total		**$113,600**
Importance Code B		$113,600
Total		**$113,600**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$9,300			$900
Interior Architecture	$27,900	$1,100		$100
Electrical	$10,600	$500	$8,200	$400
Mechanical	$6,600	$1,000	$5,800	$1,000
Total	**$54,400**	**$2,500**	**$14,000**	**$2,400**
Importance Code A	$9,900	$600	$600	$1,500
Importance Code B	$41,800	$1,300	$13,400	$900
Importance Code C	$2,600	$600		
Total	**$54,400**	**$2,500**	**$14,000**	**$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. 316
Asset # : 13201

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	75%			LIFE	* *	5	$18,600	
Recent Repair Evident, Extent : Light, Area Affected : 100%								
Location : Facade								
Masonry: Limestone	10%			LIFE	* *	5	$1,900	
Wood Overhead Doors	15%			2042	* *	5	$18,600	
Windows								
Aluminum	100%			2045	* *	5	$1,800	
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	* *	5	$800	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Parapet Wall Coping								
Masonry: Brick	90%			LIFE	* *	5	$1,800	
Pre-Cast Concrete	5%			LIFE	* *	5	$600	
Roof								
Modified Bitumen	100%			2037	* *	10	$8,500	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Roof								
Interior								
Floors								
Cast in Place Concrete	35%			LIFE	* *	5	$6,900	
Ceramic Tile	10%			2042	* *	5	$900	
Granite Panels	5%			LIFE	* *	5	$300	
Vinyl Tile	40%			2029	$32,600	3	$1,300	
Vinyl Tile	10%	Now	$8,200	2039	* *	3	$300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 100%								
Location : Second Floor Dormitory								
Interior Walls								
Ceramic Tile	10%			2038	* *	5	$1,200	
Gypsum Board	15%			LIFE	* *	5	$1,100	
Masonry: Brick	15%	4+	$1,500	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Plaster	5%	Now	$1,100	LIFE	* *	5	$200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Office								
Paint Peeling, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor Office								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor Office								
Plaster	25%			LIFE	* *	5	$900	
SGFT/Glazed Masonry	30%			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. 316
Asset # : 13201

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								
Exposed Concrete	25%	Now	$15,400	LIFE	* *	5	$400	
Cracking/Crumbling, Extent : Severe, Area Affected : 25%								
Location : Basement								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : Support Of Apparatus Floor Is Reinforced With Lally Columns								
Plaster	70%			LIFE	* *	5	$3,900	
Plaster	5%	Now	$1,300	LIFE	* *	5	$300	
Water Penetration, Extent : Severe, Area Affected : 25%								
Location : 2nd Floor Office								
Site Enclosure								
Fence/Gates								
Chain Link	30%			2055	* *			
Chain Link	70%			2039	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	60%			2046	* *			
Cast in Place Concrete	40%			2034	* *			

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%			2029	$5,200	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%			2029	$52,200	5	$200	
Raceway								
Conduit	20%			2055	* *	1		
Conduit	80%			2029	$26,800	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	70%			2028	$28,800	5	$100	
Molded Case Bkrs	25%			2051	* *	5		
Wiring								
Thermoplastic	75%			2029	$22,200	1		
Thermoplastic	25%			2055	* *	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
ENGINE CO. 316
Asset # : 13201

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
Ground								
Grounding Devices								
Generic	100%	0-2	$10,200	LIFE	* *	5	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : Corroded								
Stand-by Power								
Transfer Switches								
Automatic	100%			2046	* *	1	$1,900	
Generators								
Diesel	100%			2042	* *	1	$2,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Side Yard								
Explanation : Emergency Generator Rated At 60 Kilowatts								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$200	
Fuel Storage								
Main Tank	100%			2064	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Side Yard								
Explanation : 125 Gallons Rated Capacity								
Lighting								
Interior Lighting								
Fluorescent	25%			2024	$4,400	10	$1,400	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement								
LED	75%			2037	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : LED Light Fixtures								
Exterior Lighting								
HID	30%			2037	* *	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								
Energy Source								
Natural Gas	100%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$6,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	100%			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
ENGINE CO. 316
Asset # : 13201

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								
Convector/Radiator	100%			2042	* *	1	$2,000	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Split Unit	10%			2029	$13,100			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : 1 Unit. R-134 Refrigerant								
Split Unit	10%			2039	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Explanation : 1 Unit. R-410a Refrigerant								
Window/Wall Unit	40%			2022	$5,100	1		
No Component	40%							
Heat Rejection								
Air Cooled Condenser Unit	10%			2029	$700	2	$400	
Air Cooled Condenser Unit	10%			2039	* *	2	$400	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	* *	2-5	$300	
No Component	90%							
Exhaust Fans								
Roof	10%			2024	$1,000	2		
Wall Unit	20%	0-2	$400	2039	* *	2		
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Floor								
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2024	$3,700	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units								
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. 316
Asset # : 13201

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								
Sump Pump(s)								
Submersible	100%	0-2	$200	2024	$200	4	$100	
On Extended Life, Extent : Moderate, Area Affected : 100%								
Location : Basement								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **30-Mar-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **12617** **Lot** : **40**	**BIN**	: **4271743**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Site Enclosure	$36,200	
Total	**$36,200**	
Importance Code C	$36,200	
Total	**$36,200**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$36,900		$8,500	
Interior Architecture	$26,000		$21,900	$300
Electrical	$600	$2,200	$6,300	$600
Mechanical	$33,300	$1,200	$6,300	$1,500
Site Pavements	$1,400			
Total	**$98,200**	**$3,400**	**$42,900**	**$2,400**
Importance Code A	$37,500	$600	$9,200	$600
Importance Code B	$44,800	$2,800	$33,100	$1,700
Importance Code C	$15,900		$600	
Total	**$98,200**	**$3,400**	**$42,900**	**$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. 317 / LADDER CO. 165
Asset # : 13202

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	88%			LIFE	* *	5	$18,300	
Masonry: Granite	2%			LIFE	* *	5	$300	
Masonry: Limestone	5%			LIFE	* *	5	$800	
Wood Overhead Doors	5%			2042	* *	5	$5,200	
Windows								
Aluminum	100%	2-4	$26,900	2037	* *	5	$1,000	2
Broken/Missing Elements, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5	$2,100	
Masonry: Brick	90%	4+	$7,400	LIFE	* *	5	$2,400	
Miss/Damaged Flashings, Extent : Severe, Area Affected : 5%								
Location : Roof								
Roof								
Modified Bitumen	100%			2034	* *	10	$8,500	
Interior								
Floors								
Cast in Place Concrete	25%	0-2	$2,500	LIFE	* *	5	$5,000	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Cast in Place Concrete	25%	0-2	$2,500	LIFE	* *	5	$5,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Uneven Surface, Extent : Severe, Area Affected : 10%								
Location : Basement								
Ceramic Tile	10%			2044	* *	5	$900	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout 2011 Wing								
Ceramic Tile	5%	Now	$200	2038	* *	5	$200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : Kitchen								
Terrazzo	5%			LIFE	* *	5	$400	
Vinyl Tile	25%	0-2	$4,200	2024	$20,800	3	$900	
Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
Location : Throughout, 2nd Floor								
Wood	5%			2057	* *	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. 317 / LADDER CO. 165
Asset # : 13202

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	10%	0-2	$4,000	LIFE	* *			
Water Penetration, Extent : Light, Area Affected : 10%								
Location : Throughout								
Ceramic Tile	10%			2044	* *	5	$1,200	
Masonry: Brick	10%	0-2	$2,500	LIFE	* *			
Water Penetration, Extent : Light, Area Affected : 10%								
Location : Throughout								
Plaster	40%	0-2	$2,000	LIFE	* *	5	$1,400	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
SGFT/Glazed Masonry	30%	0-2	$7,400	LIFE	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Ceilings								
AcousTileSusp.Lay-In	5%	4+	$200	2042	* *	5	$200	
Vandalism, Extent : Moderate, Area Affected : 2%								
Location : Kitchen								
Exposed Concrete	70%			LIFE	* *	5	$1,000	
Gypsum Board	2%			LIFE	* *	5	$200	
Plaster	23%			LIFE	* *	5	$1,300	
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	$36,200	2059	* *			
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%	4+	$1,400	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Front Of Firehouse								
On-Site Walkways								
Cast in Place Concrete	100%			2034	* *			

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								
Molded Case Bkrs	100%			2049	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : Main Service Disconnect Switch Rated At 200 Amperes.								

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. 317 / LADDER CO. 165
Asset # : 13202

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								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2049	* *	5	$200	
Raceway								
Conduit	100%			2049	* *	1		
Panelboards								
Molded Case Bkrs	100%			2045	* *	5	$200	
Wiring								
Thermoplastic	100%			2049	* *	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2042	* *	1	$1,900	
Generators								
Diesel	100%			2038	* *	1	$2,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Backyard								
Explanation : No Available Nameplate Rating Capacity								
Batteries								
Lead/Acid	100%			2023	$1,600	5	$200	
Fuel Storage								
Main Tank	100%			2057	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Backyard								
Explanation : 60 Gallons Rated Capacity								
Lighting								
Interior Lighting								
Fluorescent	90%			2034	* *	10	$5,100	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Fluorescent	10%			2034	* *	10	$600	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Kitchen And Offices								
Exterior Lighting								
HID	30%			2034	* *	10		
No Component	70%							
Alarm								
Security System								
No Component	70%							
Generic	30%			2034	* *	1	$700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front And Driveway								
Explanation : CCTV Surveillance Cameras								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2034	* *	1	$6,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Unit								
Distribution								
Steam Piping/Pump	100%			2029	$27,100			
Terminal Devices								
Convector/Radiator	100%			2027	$32,800	1	$2,000	
Other Observation, Extent : Light, Area Affected : 5%								
Location : 2nd Floor								
Explanation : There Is No Heating Device In Track Office.								
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Split Unit	10%			2029	$13,100			
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : 1 Unit, Outside The Building.								
Window/Wall Unit	40%			2024	$5,100	1		
No Component	50%							
Terminal Devices								
Air Handler/Dir Expansion	10%			2029	$3,400	1		
No Component	90%							
Heat Rejection								
Air Cooled Condenser Unit	10%			2029	$600	2	$400	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	* *	2-5	$300	
No Component	90%							
Exhaust Fans								
Interior	10%			2029	$2,200	2		
No Component	90%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	* *	1		
Water Heater								
Gas Fired	100%			2022	$3,700	2	$100	
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. 317 / LADDER CO. 165
Asset # : 13202

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								
Sump Pump(s)								
Submersible	100%			2022	$200	4	$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2022	$27,900	1-3	$4,000	
	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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **10-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **7013** **Lot** : **7**	**BIN**	: **3188880**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$318,000	
Total	**$318,000**	
Importance Code A	$318,000	
Total	**$318,000**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$86,200			
Interior Architecture	$63,700		$500	$400
Electrical			$2,200	
Mechanical	$1,000	$800	$11,400	$700
Site Pavements	$700			
Total	**$151,600**	**$800**	**$14,100**	**$1,200**
Importance Code A	$86,700	$500	$500	$600
Importance Code B	$42,400	$200	$13,600	$600
Importance Code C	$22,500			
Total	**$151,600**	**$800**	**$14,100**	**$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. 318/LADDER CO. 166
Asset # : 13203

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								
Alum/Vinyl Siding	15%			2049	* *	10	$1,200	
Cast in Place Concrete	10%	Now	$158,800	LIFE	* *	5	$13,200	1
Cracking/Crumbling, Extent : Severe, Area Affected : 25%								
Location : Bulkhead								
Masonry: Brick	60%	Now	$51,000	LIFE	* *	5	$15,800	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 15%								
Location : Throughout								
Masonry: Granite	3%	Now	$10,000	LIFE	* *	5	$600	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%								
Location : Throughout								
Masonry: Limestone	5%	0-2	$15,400	LIFE	* *	5	$1,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Front Elevation								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Front Facade								
Wood Overhead Doors	7%	4+	$6,200	2042	* *	5	$4,600	
Worn/Eroded, Extent : Light, Area Affected : 50%								
Location : Main Door								
Windows								
Aluminum	100%			2037	* *	5	$1,900	
Parapets								
Cast Stone/Terra Cotta	10%	Now	$16,700	LIFE	* *	5	$1,600	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 50%								
Location : Throughout								
Masonry: Brick	90%	Now	$11,400	LIFE	* *	5	$1,800	
Cracking/Crumbling, Extent : Light, Area Affected : 25%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
Location : Throughout								
Roof								
Asphalt Shingle	15%			2038	* *	10	$200	
Built-Up (BUR)	80%	Now	$10,800	2024	$108,300			
Patching Evident, Extent : Light, Area Affected : 10%								
Location : Throughout								
Vegetation Growth, Extent : Light, Area Affected : 10%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Center Of 2nd Floor Corridor								
Skylight, Metal/Glass	5%	Now	$14,700	2039	* *			1
Broken/Missing Elements, Extent : Severe, Area Affected : 20%								
Location : Throughout								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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	$5,000	LIFE	* *	5	$9,800	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Ceramic Tile	10%	Now	$2,100	2038	* *	5	$500	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Terrazzo	2%			LIFE	* *	5	$200	
Vinyl Tile	33%	Now	$6,000	2029	$29,900	3	$1,200	
Worn/Eroded, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor								
Wood	10%			2057	* *	5	$1,900	
Interior Walls								
Cast in Place Concrete	20%	0-2	$9,300	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Ceramic Tile	5%	Now	$2,000	2038	* *	5	$300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Gypsum Board	15%			LIFE	* *	5	$1,200	
Masonry: Brick	30%			LIFE	* *			
Plaster	30%	Now	$10,600	LIFE	* *	5	$1,200	
Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
Location : Hose Tower, Bunk Room West And Other Areas								
Ceilings								
AcousTileSusp.Lay-In	10%			2034	* *	5	$1,000	
Exposed Concrete	25%			LIFE	* *	5	$400	
Gypsum Board	15%			LIFE	* *	5	$1,900	
Plaster	50%	Now	$27,900	LIFE	* *	5	$3,100	
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Hose Tower								
Paint Peeling, Extent : Moderate, Area Affected : 40%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Corridor								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2039	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	* *			
On-Site Walkways								
Cast in Place Concrete	100%	0-2	$700	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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%			2042	* *			

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%			2055	* *	5		
Raceway								
Conduit	100%			2049	* *	1		
Panelboards								
Molded Case Bkrs	90%			2051	* *	5	$100	
Molded Case Bkrs	10%			2037	* *	5		
Wiring								
Thermoplastic	100%			2049	* *	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5		
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
Fluorescent	10%			2024	$1,700	10	$500	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout Building								
LED	90%			2037	* *			
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Throughout Building								
Egress Lighting								
Emergency, Service	100%			2029	$3,000	1		
Exterior Lighting								
HID	100%			2029	$23,200	10		

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%			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. 318/LADDER CO. 166
Asset # : 13203

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								
Hot Water Boiler	10%			2046	* *	1	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serving Rear Lounge Area On 1st Floor								
Steam Boiler	90%			2042	* *	1	$5,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	10%			2051	* *	4		
Steam Piping/Pump	90%			2039	* *			
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Window/Wall Unit	60%			2024	$7,200	1		
No Component	40%							
Ventilation								
Exhaust Fans								
Roof	10%			2029	$1,000	2		
Wall Unit	10%			2029	$200	2		
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2024	$3,500	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$200	4	$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	2%			2027	$600	1-3	$100	
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.
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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **12-Apr-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **3776** **Lot** : **56**	**BIN**	: **4091550**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$36,600	$42,600
Interior Architecture	$50,700	
Total	**$87,300**	**$42,600**
Importance Code A	$36,600	$42,600
Importance Code B	$50,700	
Total	**$87,300**	**$42,600**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$42,000		$9,200	
Interior Architecture	$56,700	$400	$700	
Electrical	$100		$10,400	
Mechanical	$1,200	$900	$6,400	$900
Site Enclosure				
Total	**$100,000**	**$1,300**	**$26,700**	**$900**
Importance Code A	$42,600	$700	$9,900	$700
Importance Code B	$38,700	$600	$16,900	$300
Importance Code C	$18,600			
Total	**$100,000**	**$1,300**	**$26,700**	**$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
ENGINE CO. 319
Asset # : 13204

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	3%			LIFE	* *	5	$5,900	
Masonry: Brick	90%	4+	$36,600	LIFE	* *	5	$22,700	
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Basement Foundation Wall At Storage Room								
Other Observation, Extent : Light, Area Affected : 10%								
Location : Left Facade								
Explanation : Brushed- On Waterproofing Beginning To Peel								
Masonry: Granite	1%			LIFE	* *	5	$200	
Masonry: Limestone	1%	Now	$2,900	LIFE	* *	5	$200	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Front Facade								
Wood Overhead Doors	5%			2027	$42,600	5	$6,300	
Windows								
Aluminum	100%	Now	$16,900	2045	* *	5	$900	
Corrosion/Rusting, Extent : Moderate, Area Affected : 5%								
Location : Lintel At 2nd Floor Alley Side								
Unit Inoperable, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : 2nd Floor At Alley Side								
Parapets								
Masonry: Brick	80%	0-2	$19,000	LIFE	* *	5	$1,500	
Paint Peeling, Extent : Moderate, Area Affected : 60%								
Location : Roof Parapet Wall								
Painted Surfaces, Extent : Light, Area Affected : 100%								
Location : Parapet Walls								
Other Observation, Extent : Severe, Area Affected : 40%								
Location : Roof Parapet Wall								
Explanation : Trapped Moisture Behind Painted Walls. Brick Spalling								
Masonry: Limestone	20%			LIFE	* *	5	$500	
Roof								
Modified Bitumen	98%			2034	* *	10	$9,200	
Skylight, Metal/Glass	2%			2049	* *	10	$600	
Interior								
Floors								
Cast in Place Concrete	55%	Now	$12,000	LIFE	* *	5	$11,800	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Ceramic Tile	10%			2032	* *	5	$1,000	
Mosaic Tile	5%	Now	$6,300	2042	* *	5	$600	
Broken/Missing Elements, Extent : Severe, Area Affected : 20%								
Location : Kitchen/ Dining Area								
Vinyl Tile	30%			2029	$26,800	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. 319
Asset # : 13204

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	20%	Now	$18,300	LIFE	* *			
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Front And Side At Basement								
Ceramic Tile	5%			2032	* *	5	$700	
Gypsum Board	5%			LIFE	* *	5	$400	
Masonry: Brick	20%			LIFE	* *			
Plaster	25%			LIFE	* *	5	$1,000	
SGFT/Glazed Masonry	25%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	15%			2034	* *	5	$1,500	
Exposed Concrete	15%	Now	$50,700	LIFE	* *	5	$200	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Basement Ceiling								
Explanation : Insufficent To Support Apparatus Area Above								
Plaster	70%	Now	$19,300	LIFE	* *	5	$4,300	
Paint Peeling, Extent : Moderate, Area Affected : 40%								
Location : Apparatus Room								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : 2nd Floor Bunkroom And Lounge								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2029	$14,500			
Corrosion/Rusting, Extent : Light, Area Affected : 75%								
Location : Throughout								
Free Standing Walls								
Concrete Masonry Unit	100%			2039	* *			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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								
Molded Case Bkrs	100%			2039	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Main Service Switch Rated At 200 Amperes.								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2039	* *	5	$200	
Raceway								
Conduit	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. 319
Asset # : 13204

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								
Panelboards								
Molded Case Bkrs	100%			2037	* *	5	$200	
Wiring								
Thermoplastic	100%			2039	* *	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
Fluorescent	95%			2029	$18,100	10	$5,700	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Incandescent	5%			2024	$2,300	2		
Exterior Lighting								
HID	30%			2024	$8,000	10		
No Component	70%							
Alarm								
Security System								
No Component	90%							
Generic	10%			2029	$2,100	1	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front Of The Building Only								
Explanation : CCTV Surveillance Cameras								

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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$6,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	100%			2039	* *			
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$2,100	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Window/Wall Unit	40%			2024	$5,500	1		
No Component	60%							
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. 319
Asset # : 13204

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	$700	
No Component	80%							
Exhaust Fans								
Roof	20%			2029	$2,200	2		
Wall Unit	25%			2029	$600	2	$100	
No Component	55%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	* *	1		
Water Heater								
Gas Fired	100%			2027	$4,000	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units / 80 Gallons								
Sanitary Piping								
Cast Iron	50%			LIFE	* *	1		
Cast Iron	50%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$200	4	$200	
Backflow Preventer								
No Component	95%							
Generic	5%			2037	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Boiler Only								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **11-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **5319** **Lot** : **8**	**BIN**	: **4120143**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Electrical		$52,200
Total		**$52,200**
Importance Code B		$52,200
Total		**$52,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$30,800		$6,700	$200
Interior Architecture	$700		$700	$19,700
Electrical	$10,200		$900	$100
Mechanical	$1,700	$700	$1,100	$900
Total	**$43,400**	**$700**	**$9,300**	**$20,800**
Importance Code A	$31,000	$200	$6,900	$500
Importance Code B	$12,400	$500	$2,400	$1,000
Importance Code C				$19,300
Total	**$43,400**	**$700**	**$9,300**	**$20,800**



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. 320/LADDER CO. 167
Asset # : 13205

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								
Alum/Vinyl Siding	10%			2039	* *	10	$600	
Masonry: Brick	20%			LIFE	* *	5	$3,600	
Masonry: Brick	50%	Now	$29,200	LIFE	* *	5	$9,100	
Diagonal Cracks, Extent : Moderate, Area Affected : 10%								
Location : Northwest Corner								
Painted Surfaces, Extent : Moderate, Area Affected : 50%								
Location : North And South Facades								
Masonry: Granite	5%			LIFE	* *	5	$700	
Masonry: Limestone	10%			LIFE	* *	5	$1,400	
Metal Sect. OHD	5%			2042	* *	5	$2,800	
Windows								
Aluminum	100%			2045	* *	5	$500	
Parapets								
Masonry: Brick	85%			LIFE	* *	5	$1,300	
Painted Surfaces, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Masonry: Limestone	10%			LIFE	* *	5	$200	
Pre-Cast Concrete	5%			LIFE	* *	5	$500	
Roof								
Asphalt Shingle	15%			2032	* *	10	$200	
Modified Bitumen	85%			2034	* *	10	$6,700	
Interior								
Floors								
Cast in Place Concrete	55%			LIFE	* *	5	$10,000	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Apparatus Floor								
Ceramic Tile	10%			2042	* *	5	$800	
Quarry Tile	5%			2034	* *	5	$600	
Vinyl Tile	30%			2034	* *	3	$1,300	
Interior Walls								
Cast in Place Concrete	10%			LIFE	* *			
Ceramic Tile	15%			2025	$19,000	5	$600	
Gypsum Board	15%			LIFE	* *	5	$400	
Plaster	35%			LIFE	* *	5	$500	
SGFT/Glazed Masonry	25%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	10%			2034	* *	5	$800	
Exposed Concrete	30%			LIFE	* *	5	$400	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Basement								
Plaster	60%			LIFE	* *	5	$3,100	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	* *			
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. 320/LADDER CO. 167
Asset # : 13205

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								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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%			2029	$5,200	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%			2029	$52,200	5		
Raceway								
Conduit	100%			2049	* *	1		
Panelboards								
Molded Case Bkrs	100%			2045	* *	5	$100	
Wiring								
Thermoplastic	100%			2049	* *	1		
Motor Controllers								
Locally Mounted	100%			2042	* *	5		
Ground								
Grounding Devices								
Generic	100%	2-4	$10,200	LIFE	* *	5	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : Corroded								
Lighting								
Interior Lighting								
LED	100%			2037	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : LED Lights								
Egress Lighting								
Emergency, Battery	50%			2037	* *	10	$600	
Exit, LED	50%			2064	* *	1		
Exterior Lighting								
Incandescent	5%			2024	$800	2		
LED	25%			2037	* *			
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
ENGINE CO. 320/LADDER CO. 167
Asset # : 13205

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%			2055	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2042	* *	1	$2,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	100%			2045	* *	4	$200	
Terminal Devices								
Convector/Radiator	80%			2042	* *	1	$1,300	
Unit Heater - Steam	20%			2034	* *	4	$100	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Split Unit	5%			2037	* *			
Window/Wall Unit	50%			2028	$5,100	1		
Window/Wall Unit	10%	Now	$1,000	2029	$1,000	1		
Obsolete Equipment, Extent : Severe, Area Affected : 10%								
Location : Gymnasium								
No Component	35%							
Terminal Devices								
Fan Coil - 2 Pipe	5%			2037	* *	1	$100	
No Component	95%							
Heat Rejection								
Air Cooled Condenser Unit	5%			2037	* *	2	$200	
No Component	95%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2-5	$500	
No Component	80%							
Exhaust Fans								
Roof	20%			2029	$1,600	2		
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2055	* *	1		
Water Heater								
Gas Fired	100%			2027	$3,000	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units								
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. 320/LADDER CO. 167
Asset # : 13205

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								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%			2037	* *	4	$100	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2027	$27,900	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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **10-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **8817** **Lot** : **49**	**BIN**	: **3248186**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$181,500	
Total	**$181,500**	
Importance Code A	$181,500	
Total	**$181,500**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$107,400			$1,000
Interior Architecture	$83,500	$1,400	$500	$200
Electrical	$500	$400	$1,600	$400
Mechanical	$800	$1,300	$6,600	$800
Total	**$192,200**	**$3,100**	**$8,700**	**$2,400**
Importance Code A	$108,000	$600	$600	$1,600
Importance Code B	$65,900	$1,100	$8,100	$800
Importance Code C	$18,300	$1,400		
Total	**$192,200**	**$3,100**	**$8,700**	**$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. 321
Asset # : 13206

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	80%	Now	$181,500	LIFE	* *	5	$18,800	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Southeast Elevation								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Masonry: Granite	2%			LIFE	* *	5	$400	
Masonry: Limestone	5%	Now	$27,400	LIFE	* *	5	$900	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : Southwest And Southeast Elevations								
Metal Panel	4%	Now	$400	2049	* *	5	$1,800	
Broken/Missing Elements, Extent : Light, Area Affected : 25%								
Location : Southwest Elevation Of Bulkhead								
Slate Panels	1%	Now	$2,600	LIFE	* *	5	$200	
Spalling, Extent : Moderate, Area Affected : 25%								
Location : Slate Window Sills								
Wood Overhead Doors	8%			2042	* *	5	$9,400	
Windows								
Aluminum	98%			2045	* *	5	$1,900	
Wood	2%	0-2	$1,200	2054	* *	5	$200	
On Extended Life, Extent : Moderate, Area Affected : 100%								
Location : Tower Section								
Parapets								
Cast Stone/Terra Cotta	10%	Now	$3,000	LIFE	* *	5	$1,700	
Caulking Deteriorated, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Spalling, Extent : Light, Area Affected : 10%								
Location : Northwest Parapet								
Masonry: Brick	80%	Now	$21,800	LIFE	* *	5	$1,800	1
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Diagonal Cracks, Extent : Moderate, Area Affected : 20%								
Location : Corners								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 35%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Masonry: Limestone	10%			LIFE	* *	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. 321
Asset # : 13206

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								
Built-Up (BUR)	98%	Now	$27,800	2034	* *			
Patching Evident, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Toilets And Locker Room								
Skylight, Metal/Glass	2%	Now	$18,500	2049	* *			
Glazing Broken/Cracked, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Interior								
Floors								
Cast in Place Concrete	50%	Now	$30,600	LIFE	* *	5	$10,000	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Basement And Apparatus Floor								
Ceramic Tile	30%			2042	* *	5	$2,800	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Terrazzo	5%			LIFE	* *	5	$400	
Vinyl Tile	15%			2034	* *	3	$700	
Interior Walls								
Cast in Place Concrete	20%	0-2	$9,600	LIFE	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Ceramic Tile	20%			2038	* *	5	$2,800	
Recent Replace Evident, Extent : Light, Area Affected : 75%								
Location : Toilets And Laundry								
Masonry: Brick	15%	0-2	$4,400	LIFE	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Plaster	35%	Now	$4,300	LIFE	* *	5	$1,500	
Water Penetration, Extent : Severe, Area Affected : 100%								
Location : Hose Room								
Worn/Eroded, Extent : Severe, Area Affected : 100%								
Location : Hose Room								
Wood	10%			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		
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%			2049	* *	5	$1,000	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : 2nd Floor Toilet								
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Toilets								
Exposed Concrete	20%	Now	$28,400	LIFE	* *	5	$300	
Cracking/Crumbling, Extent : Severe, Area Affected : 60%								
Location : Basement								
Exposed Reinforcement, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Gypsum Board	5%			LIFE	* *	5	$600	
Plaster	65%	4+	$4,700	LIFE	* *	5	$4,200	
Paint Peeling, Extent : Severe, Area Affected : 5%								
Location : Hose Room								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2049	* *			

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%			2039	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Service Room								
Explanation : The Service Equipment Consists Of A 200 Ampere Switch Which Is In Good Condition.								
Raceway								
Conduit	100%			2039	* *	1		
Panelboards								
Molded Case Bkrs	100%			2037	* *	5	$200	
Wiring								
Thermoplastic	100%			2039	* *	1		
Motor Controllers								
Locally Mounted	100%			2034	* *	5		
Ground								

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. 321
Asset # : 13206

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
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : The Ground Is Connected To The Water Main. It Is In Good Condition.								
Stand-by Power								
Transfer Switches								
Automatic	100%			2046	* *	1	$1,900	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Basement								
Generators								
Diesel	100%			2042	* *	1	$2,400	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Outdoor								
Batteries								
Not Accessible	100%							
Fuel Storage								
Day Tank	100%			2051	* *	5	$1,100	
Lighting								
Interior Lighting								
Fluorescent	80%			2037	* *	10	$4,500	
T-5 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout Building								
Fluorescent	20%			2034	* *	10	$1,100	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout Building								
Egress Lighting								
Exit, Service	50%			2034	* *	1		
Exit, Battery	50%			2029	$1,200	10	$200	
Exterior Lighting								
HID	100%			2029	$24,700	10		

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%			2055	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$6,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Boiler								
Distribution								
Central Plant Steam Piping/Pmp	100%			2039	* *	4	$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. 321
Asset # : 13206

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								
Convector/Radiator	100%			2034	* *	1	$2,000	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Split Unit	20%			2034	* *			
Window/Wall Unit	40%			2024	$5,100	1		
No Component	40%							
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2	$1,600	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	50%			LIFE	* *	2-5	$1,700	
No Component	50%							
Exhaust Fans								
Roof	50%			2029	$5,100	2	$100	
Wall Unit	50%			2034	* *	2	$100	
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2034	* *	1		
No Water Meter, Extent : Light, Area Affected : 100%								
Location : Basement								
Water Heater								
Gas Fired	100%			2027	$3,700	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units, 74 Gallons Each								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2023	$200	4	$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	2%			2027	$600	1-3	$100	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **14-Jun-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **8364** **Lot** : **6**	**BIN**	: **3235919**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Interior Architecture	$115,400	
Mechanical		$50,700
Total	**$115,400**	**$50,700**
Importance Code B	$115,400	$50,700
Total	**$115,400**	**$50,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$56,200			
Interior Architecture	$72,300	$2,300		$500
Electrical	$700	$2,300	$700	$500
Mechanical	$3,800	$1,800	$33,900	$1,500
Total	**$133,000**	**$6,400**	**$34,600**	**$2,500**
Importance Code A	$56,900	$700	$700	$700
Importance Code B	$60,000	$3,400	$33,900	$1,900
Importance Code C	$16,200	$2,300		
Total	**$133,000**	**$6,400**	**$34,600**	**$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. 323
Asset # : 13207

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	3%			LIFE	* *	5	$5,300	
Masonry: Brick	87%	Now	$31,700	LIFE	* *	5	$19,700	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Paint Peeling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Water Penetration, Extent : Light, Area Affected : 10%								
Location : Throughout								
Masonry: Granite	5%			LIFE	* *	5	$800	
Wood Overhead Doors	5%	2-4	$11,500	2042	* *	5	$2,800	
Unit Inoperable, Extent : Moderate, Area Affected : 10%								
Location : Front Of Building								
Windows								
Aluminum	100%	Now	$9,100	2045	* *	5	$1,000	
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : Bathroom								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5	$1,900	
Masonry: Brick	45%			LIFE	* *	5	$1,100	
Masonry: Granite	5%			LIFE	* *	5	$200	
Stucco Cement	40%			2042	* *	5	$2,600	
Roof								
Modified Bitumen	100%	4+	$2,600	2034	* *			
Ponding, Extent : Moderate, Area Affected : 5%								
Location : Lower Roof								
Interior								
Floors								
Cast in Place Concrete	53%	Now	$56,200	LIFE	* *	5	$11,100	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : Steel Columns And Beams Shoring Up Apparatus Floor From Basement Below								
Quarry Tile	2%	Now	$300	2042	* *	5	$100	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Terrazzo	3%	Now	$2,800	LIFE	* *	5	$200	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Vinyl Tile	40%	Now	$34,700	2039	* *	3	$1,400	
Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Vinyl Tile 9" X 9"	2%	Now	$2,200	2039	* *	3	$100	
Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
Location : House Watch								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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	$8,900	LIFE	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Ceramic Tile	35%			2038	* *	5	$4,600	
Marble Panels	5%	Now	$2,800	LIFE	* *			
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
Location : Throughout								
Plaster	40%	Now	$4,500	LIFE	* *	5	$1,600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Ladder To Roof								
Paint Peeling, Extent : Severe, Area Affected : 40%								
Location : Ladder To Roof								
Ceilings								
Exposed Concrete	60%	Now	$59,100	LIFE	* *	5	$900	
Exposed Reinforcement, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Spalling, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Plaster	40%	Now	$16,100	LIFE	* *	5	$2,400	
Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
Location : Ladder To Roof								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2039	* *			
Free Standing Walls								
Concrete Masonry Unit	100%			2039	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2049	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2049	* *			

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%			2039	* *	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%			2039	* *	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. 323
Asset # : 13207

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								
Raceway								
Conduit	100%			2039	* *	1		
Panelboards								
Fused Disc Sw	10%			2037	* *	5		
Molded Case Bkrs	90%			2037	* *	5	$200	
Wiring								
Thermoplastic	100%			2039	* *	1		
Motor Controllers								
Locally Mounted	100%			2034	* *	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2042	* *	1	$2,100	
Generators								
Diesel	100%			2038	* *	1	$2,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Side Yard								
Explanation : Emergency Generator Rated At 40 Kilowatts								
Batteries								
Lead/Acid	100%			2023	$1,600	5	$300	
Fuel Storage								
Main Tank	100%			2057	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Side Yard								
Explanation : 50 Gallons Rated Capacity								
Lighting								
Interior Lighting								
Fluorescent	25%			2029	$4,900	10	$1,600	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement								
LED	75%			2037	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st And 2nd Floor								
Explanation : LED Light Fixtures								
Egress Lighting								
Emergency, Service	100%			2034	* *	1		
Exterior Lighting								
HID	15%			2029	$4,100	10		
LED	15%			2037	* *			
No Component	70%							
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. 323
Asset # : 13207

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
Alarm								
Security System								
No Component	70%							
Generic	30%			2037	* *	1	$800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front And Right Side Of The Building								
Explanation : CCTV Surveillance Cameras								

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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$6,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	100%			2039	* *			
Terminal Devices								
Convector/Radiator	100%			2042	* *	1	$2,200	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Reciprocating Compr/Chiller	15%			2037	* *	1	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 1 Unit, R-410a								
Split Unit	5%			2037	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 1 Unit, R-410a								
Window/Wall Unit	30%			2024	$4,300	1		
No Component	50%							
Terminal Devices								
Fan Coil - 2 Pipe	20%			2037	* *	1	$400	
No Component	80%							
Heat Rejection								
Dry Cooler	20%			2037	* *	2	$900	
No Component	80%							
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. 323
Asset # : 13207

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	25%			LIFE	* *	2-5	$900	
No Component	75%							
Exhaust Fans								
Interior	15%			2037	* *	2		
Roof	10%			2029	$1,100	2		
Wall Unit	25%			2034	* *	2	$100	
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2029	$50,700	1		
Water Heater								
Gas Fired	100%			2027	$4,100	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units / 75 Gallons								
Sanitary Piping								
Cast Iron	100%	0-2	$2,500	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 15%								
Location : Water Backs Up To Kitchen And Apparatus Floor								
Sump Pump(s)								
Submersible	100%			2023	$200	4	$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2024	$27,900	1-3	$3,700	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **25-Apr-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **1964** **Lot** : **65**	**BIN**	: **4048310**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$113,600	
Electrical		$91,300
Total	**$113,600**	**$91,300**
Importance Code A	$113,600	
Importance Code B		$91,300
Total	**$113,600**	**$91,300**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$41,800			
Interior Architecture	$20,000	$800		
Electrical	$500	$2,200	$24,600	$400
Mechanical	$13,200	$1,200	$5,200	$1,200
Site Enclosure	$3,600			
Site Pavements	$15,300			
Total	**$94,400**	**$4,200**	**$29,800**	**$1,600**
Importance Code A	$42,400	$600	$700	$600
Importance Code B	$31,300	$3,500	$29,200	$1,000
Importance Code C	$20,800	$100		
Total	**$94,400**	**$4,200**	**$29,800**	**$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
ENGINE CO. 324
Asset # : 13208

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	82%	Now	$49,800	LIFE	* *	5	$15,500	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Foundation								
Masonry: Granite	3%			LIFE	* *	5	$400	
Masonry: Limestone	5%	Now	$22,000	LIFE	* *	5	$700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Wood Overhead Doors	10%	Now	$63,700	2049	* *	5	$4,700	
Deteriorated Finish, Extent : Moderate, Area Affected : 25%								
Location : South Facade								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front Elevation								
Explanation : Constant Malfunction Issues And Small Access Door Broken								
Roof								
Asphalt Shingle	100%	Now	$19,800	2038	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Roof								
Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Bunker Room								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	* *	5	$10,000	
Ceramic Tile	5%			2038	* *	5	$500	
Terrazzo	5%			LIFE	* *	5	$400	
Vinyl Tile	40%			2029	$33,100	3	$1,400	
Interior Walls								
Ceramic Tile	5%			2038	* *	5	$200	
Gypsum Board	5%			LIFE	* *	5	$100	
Masonry: Brick	10%			LIFE	* *			
Plaster	45%	Now	$1,800	LIFE	* *	5	$600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Window At Roof Access, Stairway								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Window At Roof Access								
Plywood/Hardboard	10%			LIFE	* *			
SGFT/Glazed Masonry	25%			LIFE	* *			

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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. 324
Asset # : 13208

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	10%	0-2	$1,600	2034	* *	5	$500	
Staining/Discoloring, Extent : Moderate, Area Affected : 25%								
Location : Kitchen, Throughout								
Worn/Eroded, Extent : Severe, Area Affected : 100%								
Location : Kitchen, Throughout								
Exposed Concrete	25%			LIFE	* *	5	$400	
Plaster	65%	0-2	$16,600	LIFE	* *	5	$3,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Bathroom, Apparatus Area								
Site Enclosure								
Fence/Gates								
Chain Link	10%			2055	* *			
Chain Link	90%	0-2	$3,600	2049	* *			
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%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	100%	Now	$15,300	2042	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : Rear Parking								

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								
Molded Case Bkrs	100%			2029	$5,200	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room Basement								
Explanation : Two 200 Ampere Main Disconnect Switches								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	$52,200	5	$200	
Raceway								
Conduit	100%			2029	$33,500	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	95%			2028	$39,100	5	$100	
Wiring								
Thermoplastic	100%			2029	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5		

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FIRE DEPARTMENT - 057
ENGINE CO. 324
Asset # : 13208

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
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2042	* *	1	$1,800	
Generators								
Diesel	100%			2038	* *	1	$2,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Backyard								
Explanation : One 40 Kilowatt								
Batteries								
Lead/Acid	100%			2023	$1,600	5	$200	
Fuel Storage								
Main Tank	100%			2057	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room Outside								
Explanation : One 50 Gallon Capacity								
Lighting								
Interior Lighting								
Fluorescent	98%			2029	$16,900	10	$5,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
LED	2%			2037	* *			
Egress Lighting								
Emergency, Service	50%			2029	$1,600	1		
Exit, LED	50%			2044	* *	1		
Exterior Lighting								
HID	100%			2024	$24,000	10		

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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2034	* *	1	$5,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	100%	0-2	$1,300	2029	$26,300			
Corroded, Extent : Moderate, Area Affected : 20%								
Location : Return Line In Basement								

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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. 324
Asset # : 13208

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								
Convector/Radiator	100%	0-2	$600	2034	* *	1	$1,700	
Not in Service, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Bunker Room								
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Split Unit	15%			2029	$19,100			
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : One Unit In Back Yard								
Window/Wall Unit	20%	0-2	$2,500	2029	$2,500	1		
Obsolete Equipment, Extent : Moderate, Area Affected : 100%								
Location : Various Locations								
Window/Wall Unit	20%			2022	$2,500	1		
No Component	45%							
Terminal Devices								
Fan Coil - 2 Pipe	15%	0-2	$900	2029	$9,300	1	$300	
Leak Evident, Extent : Moderate, Area Affected : 5%								
Location : Condensate Leaks To The Gymnasium Ceiling								
Other Observation, Extent : Light, Area Affected : 100%								
Location : On Top Of The Gymnasium Ceiling.								
Explanation : Inefficient Unit With Mechanical Defect. Not Enough Space To Replace The Air Filters.								
No Component	85%							
Heat Rejection								
Air Cooled Condenser Unit	15%			2029	$1,000	2	$600	
No Component	85%							
Ventilation								
Distribution								
Ductwork/Diffusers	15%	0-2	$400	LIFE	* *	2-5	$500	
Unbalanced System, Extent : Moderate, Area Affected : 100%								
Location : Kitchen, Waiting And TV Room On 1st Floor.								
No Component	85%							
Exhaust Fans								
Interior	15%			2029	$3,200	2		
Wall Unit	20%	0-2	$400	2039	* *	2		
Abandoned in Place, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Floor								
No Component	65%							
Plumbing								

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FIRE DEPARTMENT - 057
ENGINE CO. 324
Asset # : 13208

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	3%	0-2	$1,300	2059	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Obsolete Water Main Valve								
Brass/Copper	97%			2039	* *	1		
Water Heater								
Gas Fired	100%			2024	$3,600	2	$100	
Sanitary Piping								
Cast Iron	100%	0-2	$2,200	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 10%								
Location : Causes Flooding In Front Basement								
Leak Evident, Extent : Moderate, Area Affected : 5%								
Location : From 2nd Floor Bathrooms To The Apparatus Floor.								
Sump Pump(s)								
Submersible	50%	0-2	$100	2024	$100	4	$100	
Obsolete Equipment, Extent : Moderate, Area Affected : 100%								
Location : From Basement								
No Component	50%							
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2027	$27,900	1-3	$3,700	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **11-Apr-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **131** **Lot** : **31**	**BIN**	: **4000979**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$80,600	$126,900
Interior Architecture	$157,600	
Total	**$238,200**	**$126,900**
Importance Code A	$80,600	$126,900
Importance Code B	$157,600	
Total	**$238,200**	**$126,900**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$38,900		$3,700	
Interior Architecture	$22,900	$200		$200
Electrical	$600	$2,100	$3,800	$400
Mechanical	$5,400	$1,000	$4,100	$1,000
Site Pavements	$11,400			
Total	**$79,100**	**$3,300**	**$11,500**	**$1,600**
Importance Code A	$39,400	$500	$4,300	$500
Importance Code B	$24,100	$2,800	$7,200	$1,200
Importance Code C	$15,600			
Total	**$79,100**	**$3,300**	**$11,500**	**$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. 325/LADDER 163
Asset # : 13209

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	85%	2-4	$80,600	LIFE	* *	5	$25,000	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Basement Concrete Foundation Wall								
Efflorescence, Extent : Moderate, Area Affected : 15%								
Location : Below Limestone, Top Of Building Parapet Wall								
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
Location : Throughout								
Vertical Cracks, Extent : Severe, Area Affected : 5%								
Location : Basement Concrete Foundation Walls								
Masonry: Granite	3%			LIFE	* *	5	$700	
Masonry: Limestone	7%			LIFE	* *	5	$1,500	
Wood Overhead Doors	5%			2034	* *	5	$7,400	
Windows								
Aluminum	100%	Now	$25,100	2045	* *	5	$700	
Unit Inoperable, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Parapets								
Masonry: Brick	85%	2-4	$7,400	LIFE	* *	5	$2,400	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
Location : Throughout Interior Face								
Masonry: Brownstone	10%			LIFE	* *	5	$700	
Masonry: Limestone	5%			LIFE	* *	5	$200	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
Location : Throughout Coping								
Roof								
Built-Up (BUR)	100%	Now	$6,300	2029	$126,900			
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Lower Roof Over Stairs								
Interior								
Floors								
Cast in Place Concrete	65%			LIFE	* *	5	$13,300	
Vinyl Tile	20%	0-2	$5,100	2034	* *	3	$700	
Worn/Eroded, Extent : Moderate, Area Affected : 35%								
Location : Throughout								
Vinyl Tile 9" X 9"	15%			2029	$16,500	3	$500	
Interior Walls								
Cast in Place Concrete	15%			LIFE	* *			
Gypsum Board	10%			LIFE	* *	5	$800	
Plaster	35%	Now	$7,700	LIFE	* *	5	$1,300	
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Stair Well, 1st Floor Apparatus Area, 2nd Floor Truck Office								
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. 325/LADDER 163
Asset # : 13209

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	10%	0-2	$1,600	2042	* *	5	$500	
Staining/Discoloring, Extent : Moderate, Area Affected : 25%								
Location : Kitchen								
Exposed Struc: Steel	25%	0-2	$157,600	LIFE	* *			
Other Observation, Extent : Moderate, Area Affected : 2%								
Location : Basement								
Explanation : Crumbling And Flaking Spray-on Fire Insulation								
Plaster	65%	Now	$8,500	LIFE	* *	5	$3,800	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Stairwell, 2nd Floor Truck Office								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2039	* *			
Free Standing Walls								
Cast in Place Concrete	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	$3,600	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Front Of Building 51st Street								
On-Site Walkways								
Cast in Place Concrete	100%	0-2	$7,900	2034	* *			
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		
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%			2039	* *	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%			2039	* *	5	$200	
Raceway								
Conduit	100%			2039	* *	1		
Panelboards								
Molded Case Bkrs	100%			2037	* *	5	$200	
Wiring								
Thermoplastic	100%			2039	* *	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
ENGINE CO. 325/LADDER 163
Asset # : 13209

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
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2042	* *	1	$1,800	
Generators								
Diesel	100%			2042	* *	1	$2,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rear Side Of The Building								
Explanation : Emergency Generator Rated At 60 Kilowatts								
Batteries								
Lead/Acid	100%			2023	$1,600	5	$200	
Fuel Storage								
Main Tank	100%			2057	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rear Side Of The Building								
Explanation : 125 Gallons Rated Capacity								
Lighting								
Interior Lighting								
Fluorescent	60%			2034	* *	10	$3,300	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement, 2nd Floor								
Fluorescent	5%			2037	* *	10	$300	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Kitchen And Lounge								
LED	35%			2037	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : LED Lights								
Egress Lighting								
Emergency, Service	100%			2029	$3,100	1		
Exterior Lighting								
HID	30%			2037	* *	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								
Energy Source								
Electricity	20%			2039	* *	1		
Natural Gas	80%			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. 325/LADDER 163
Asset # : 13209

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								
Radiant Heater	20%			2034	* *	2	$600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : Electric Unit Heaters								
Steam Boiler	80%			2042	* *	1	$4,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Gas Fired Steam Boiler								
Distribution								
Steam Piping/Pump	10%	0-2	$100	2039	* *			
Insul. Deteriorating, Extent : Moderate, Area Affected : 10%								
Location : On Top Of Boiler In Basement								
Steam Piping/Pump	90%			2039	* *			
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	30%			2037	* *	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 1 Unit. R-410a Refrigerant								
Window/Wall Unit	20%			2024	$2,500	1		
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	* *	2-5	$1,300	
No Component	60%							
Exhaust Fans								
Roof	40%			2034	* *	2	$100	
Wall Unit	20%			2029	$400	2		
No Component	40%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	* *	1		
Water Heater								
Gas Fired	50%			2027	$1,800	2		
Gas Fired	50%			2022	$1,800	2		
Sanitary Piping								
Cast Iron	100%	0-2	$2,200	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 5%								
Location : Front Entrance Of Apparatus Floor								
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. 325/LADDER 163
Asset # : 13209

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								
Sump Pump(s)								
Submersible	100%			2022	$200	4	$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2027	$27,900	1-3	$3,700	
	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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **25-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2,3**		
Block	: **7621** **Lot** : **12**	**BIN**	: **4162454**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Electrical	$106,000	$91,300
Total	**$106,000**	**$91,300**
Importance Code B	$106,000	$91,300
Total	**$106,000**	**$91,300**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$25,400			
Interior Architecture	$39,700	$500		$700
Electrical	$2,500	$1,000	$25,400	$600
Mechanical	$11,800	$1,400	$12,500	$1,300
Site Enclosure	$100			
Total	**$79,600**	**$2,900**	**$37,800**	**$2,500**
Importance Code A	$25,900	$400	$600	$400
Importance Code B	$53,600	$2,300	$37,300	$2,100
Importance Code C	$100	$100		
Total	**$79,600**	**$2,900**	**$37,800**	**$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. 326/LADDER 160
Asset # : 13210

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								
Ceramic Tile	2%			2049	* *	10	$200	
Masonry: Brick	83%			LIFE	* *	5	$9,900	
Recent Repair Evident, Extent : Light, Area Affected : 100%								
Location : All Facades								
Wood Overhead Doors	15%	0-2	$12,000	2042	* *	5	$4,500	
Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 10%								
Location : Exterior On The Left								
Windows								
Aluminum	100%	0-2	$13,400	2054	* *	5	$200	1
Broken/Missing Elements, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	* *	5	$1,600	
Masonry: Brick	80%			LIFE	* *	5	$800	
Roof								
Asphalt Shingle	10%			2038	* *	10	$200	
Modified Bitumen	88%			2037	* *	10	$10,900	
Skylight, Plastic	2%			2042	* *	1		
Interior								
Floors								
Cast in Place Concrete	50%	2-4	$22,100	LIFE	* *	5	$14,500	
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Apparatus Room								
Ceramic Tile	5%			2038	* *	5	$700	
Quarry Tile	5%			2042	* *	5	$1,000	
Vinyl Tile	40%	Now	$14,400	2037	* *	3	$2,000	
Recent Replace Evident, Extent : Light, Area Affected : 30%								
Location : Second Floor Corridor								
Interior Walls								
Cast in Place Concrete	10%			LIFE	* *			
Ceramic Tile	5%			2038	* *	5	$300	
Concrete Masonry Unit	60%			LIFE	* *	5	$1,400	
SGFT/Glazed Masonry	25%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	40%			2042	* *	5	$5,300	
Exposed Struc: Steel	10%			LIFE	* *			
Gypsum Board	25%			LIFE	* *	5	$4,100	
Plaster	25%			LIFE	* *	5	$2,100	
Site Enclosure								
Fence/Gates								
Aluminum Rail	2%			2042	* *	5-10	$200	
Other Observation, Extent : Light, Area Affected : 2%								
Location : Roof								
Explanation : On Roof Adjacent To Parapet								
Chain Link	98%			2049	* *			

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*** 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		
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%			2064	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Asphalt	90%			2038	* *			
Cast in Place Concrete	10%			2042	* *			

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								
Molded Case Bkrs	100%			2029	$5,200	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	$52,200	5	$200	
Raceway								
Conduit	100%			2029	$33,500	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	95%			2028	$39,100	5	$200	
Wiring								
Thermoplastic	100%			2029	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2027	$5,200	1	$2,700	
Generators								
Diesel	100%			2025	$70,300	1	$3,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 30 Kilowatt								
Batteries								
Lead/Acid	100%			2022	$1,600	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. 326/LADDER 160
Asset # : 13210

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
Stand-by Power								
Fuel Storage								
Day Tank	30%			2028	$200	5	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 75 Gallons								
Main Tank	70%			2032	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 550 Gallon								
Lighting								
Interior Lighting								
Fluorescent	58%			2024	$14,900	10	$4,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement, 1st Floor And Offices								
Explanation : T-12 Lamps								
Fluorescent	30%			2034	* *	10	$2,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 3rd Floor And Locker Room								
Explanation : T-8 Lamps								
Fluorescent	2%			2034	* *	10	$200	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Kitchen								
LED	10%			2039	* *			
Egress Lighting								
Emergency, Service	40%			2024	$1,900	1		
Emergency, Service	20%			2034	* *	1		
Exit, Service	40%			2024	$400	1		
Exterior Lighting								
HID	100%			2024	$35,700	10		

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%			2055	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2034	* *	1	$4,400	
Distribution								
Hot Wtr Piping/Pump	100%			2045	* *	4	$400	
Terminal Devices								
Convector/Radiator	90%			2042	* *	1	$2,600	
Unit Heater - Steam	10%			2034	* *	4	$100	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		

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

FIRE DEPARTMENT - 057
ENGINE CO. 326/LADDER 160
Asset # : 13210

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								
Conversion Equipment								
Exterior Pkg Unit - Cooling	50%	Now	$10,800	2034	* *	2	$200	
Broken, Extent : Severe, Area Affected : 100%								
Location : Set Back Roof Of Kitchen								
Window/Wall Unit	50%			2024	$9,200	1		
Distribution								
Ductwork/Diffusers	40%			LIFE	* *	2	$4,600	
No Component	60%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$4,900	
Exhaust Fans								
Interior	25%			2029	$7,900	2	$100	
Roof	75%			2034	* *	2	$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2027	$5,400	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units / 75 Gallons								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2023	$300	4	$300	
Backflow Preventer								
No Component	95%							
Generic	5%			2034	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Boiler Only								
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	90%							
Generic	10%			2055	* *	1-2	$300	
Chemical System								
Generic	100%			2027	$27,900	1-3	$3,700	

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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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **08-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **16325** **Lot** : **100**	**BIN**	: **4307098**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$53,300	
Interior Architecture		$34,900
Electrical		$39,100
Total	**$53,300**	**$74,000**
Importance Code A	$53,300	
Importance Code B		$74,000
Total	**$53,300**	**$74,000**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$41,100		$6,100	
Interior Architecture	$49,500		$14,600	$600
Electrical	$8,900	$100	$28,600	
Mechanical	$1,000	$500	$11,800	$500
Site Enclosure	$16,800			
Site Pavements	$900			
Total	**$118,200**	**$600**	**$61,100**	**$1,100**
Importance Code A	$41,500	$400	$6,500	$400
Importance Code B	$51,400	$300	$54,600	$800
Importance Code C	$25,300			
Total	**$118,200**	**$600**	**$61,100**	**$1,100**



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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		
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	$53,300	LIFE	* *	5	$16,500	
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : South Side Along 2nd Floor Veranda And East Façade								
Metal Panel	2%			2039	* *	5-10	$2,600	
Metal Sect. OHD	10%			2034	* *	5	$5,900	
Windows								
Aluminum	100%	Now	$4,200	2045	* *	5	$200	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5	$1,100	
Masonry: Brick	90%	Now	$15,300	LIFE	* *	5	$1,200	
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Roof								
IRMA/Protected Membrane	25%			2034	* *	10	$2,500	
Paver Block Ballast, Extent : Light, Area Affected : 100%								
Location : Over First Floor								
Modified Bitumen	75%	Now	$21,600	2034	* *			
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : 2nd Floor Front Over Officer Bunkroom								
Interior								
Floors								
Cast in Place Concrete	40%	4+	$2,400	LIFE	* *	5	$9,300	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Throughout								
Ceramic Tile	5%			2032	* *	5	$500	
Vinyl Tile	15%	4+	$2,900	2024	$14,400	3	$600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor								
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor Locker Room, Bunkroom And Sitting Room								
Explanation : 9 X 9 Tiles								
Vinyl Tile 9" X 9"	28%	Now	$10,500	2029	$34,900	3	$1,100	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Patching Evident, Extent : Light, Area Affected : 5%								
Location : Throughout								
Vinyl Tile 9" X 9"	12%			2039	* *	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. 329
Asset # : 13211

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	10%			LIFE	* *			
Ceramic Tile	5%			2032	* *	5	$200	
Concrete Masonry Unit	10%			LIFE	* *	5	$100	
Plaster	30%	Now	$8,400	LIFE	* *	5	$300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : 2nd Floor Throughout								
Water Penetration, Extent : Severe, Area Affected : 15%								
Location : Stairwell, Officer Locker Room And Bunkroom And 2nd Floor Sitting Room								
Plaster	15%			LIFE	* *	5	$100	
SGFT/Glazed Masonry	30%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	5%			2042	* *	5	$500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : 1st Floor								
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : 1st Floor								
Exposed Concrete	35%	4+	$2,500	LIFE	* *	5	$600	
Paint Peeling, Extent : Moderate, Area Affected : 30%								
Location : Apparatus Room								
Gypsum Board	10%			LIFE	* *	5	$1,300	
Plaster	50%	Now	$22,300	LIFE	* *	5	$3,300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : Underside Of Basement Stair								
Spalling, Extent : Severe, Area Affected : 15%								
Location : Kitchen, Apparatus Room And 2nd Floor								
Site Enclosure								
Fence/Gates								
Chain Link	100%	0-2	$16,800	2049	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 75%								
Location : Throughout								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	$900	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Throughout								
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 2%								
Location : Throughout								
Parking/Driveway								
Cast in Place Concrete	100%			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.
*** 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		
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%			2029	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Raceway								
Conduit	100%			2029	$33,500	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	95%			2028	$39,100	5	$200	
Wiring								
Braided Cloth	30%	2-4	$8,900	2054	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Thermoplastic	70%			2029	$20,700	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5		
Lighting								
Interior Lighting								
LED	100%			2039	* *			
Exterior Lighting								
HID	100%			2024	$28,500	10		

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%			2049	* *	1		
Conversion Equipment								
Furnace	20%			2037	* *	1	$700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 1 Unit								
Hot Water Boiler	80%			2042	* *	1	$2,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	80%	0-2	$200	2037	* *	4	$300	
Insul. Deteriorating, Extent : Moderate, Area Affected : 30%								
Location : Basement								
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. 329
Asset # : 13211

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								
Convector/Radiator	60%			2027	$22,700	1	$1,400	
Unit Heater - Steam	20%			2024	$5,100	4	$100	
No Component	20%							
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Window/Wall Unit	40%			2024	$5,900	1		
No Component	60%							
Ventilation								
Distribution								
Ductwork/Diffusers	50%			LIFE	* *	2-5	$2,000	
No Component	50%							
Exhaust Fans								
Roof	30%			2029	$3,500	2	$100	
Roof	20%			2037	* *	2		
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2027	$4,300	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Cellar Mechanical Room								
Explanation : One 75 Gallon Heater								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$35,600
Electrical		$37,800
Total		**$73,500**
Importance Code A		$35,600
Importance Code B		$37,800
Total		**$73,500**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$66,600	$7,400		$16,100
Interior Architecture	$69,900		$1,100	$1,300
Electrical	$900	$1,000	$2,900	$6,000
Mechanical	$25,500	$1,700	$2,600	$18,700
Total	**$162,900**	**$10,100**	**$6,600**	**$42,000**
Importance Code A	$67,900	$8,600	$1,300	$17,400
Importance Code B	$84,900	$1,500	$4,700	$24,700
Importance Code C	$10,100		$700	
Total	**$162,900**	**$10,100**	**$6,600**	**$42,000**



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. 33/ LADDER CO. 9
Asset # : 13021

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	65%			LIFE	* *	5	$28,900	
Masonry: Granite	5%	4+	$15,200	LIFE	* *	5	$1,700	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Granite Panels Adjacent To Overhead Door Openings								
Masonry: Limestone	10%			LIFE	* *	5	$3,300	
Metal Panel	5%			2040	* *	5-10	$15,300	
Metal Sect. OHD	10%			2047	* *	5	$13,900	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Overhead Door To Apparatus Area								
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	$17,200	LIFE	* *	5	$900	
Loose/Delam Surface, Extent : Moderate, Area Affected : 20%								
Location : Main Roof								
Misaligned/Bulging, Extent : Moderate, Area Affected : 30%								
Location : Main Roof								
Parge/Tar Separating, Extent : Moderate, Area Affected : 50%								
Location : Main Roof Parapets								
Masonry: Sandstone	15%	Now	$20,200	LIFE	* *	5	$200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Misaligned/Bulging, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Explanation : Coping Stones Have Failed And Need To Be Replaced.								
Metal Cornice	20%			2045	* *	10	$800	
Roof								
Asphalt Shingle	20%			2026	$9,900	10	$400	
Copper/Terne	20%			2045	* *	10	$6,200	
Roll Roofing	60%	Now	$7,100	2026	$35,600	5	$6,200	
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : 3rd Floor Ceiling								
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		
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	$4,400	LIFE	* *	5	$16,100	
Other Observation, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Floor								
Explanation : Epoxy Paint Finish Is Cracking								
Ceramic Tile	5%			2039	* *	5	$900	
Quarry Tile	5%			2035	* *	5	$1,400	
Vinyl Tile	25%	Now	$22,600	2035	* *	3	$1,700	
Broken/Missing Elements, Extent : Moderate, Area Affected : 30%								
Location : 2nd And 3rd Floors								
Patching Evident, Extent : Moderate, Area Affected : 30%								
Location : 2nd And 3rd Floors								
Uneven Substrate, Extent : Moderate, Area Affected : 50%								
Location : 2nd And 3rd Floors								
Other Observation, Extent : Moderate, Area Affected : 50%								
Location : 2nd And 3rd Floors								
Explanation : Vinyl Tiles Are Very Old, Deteriorated And Should Be Replaced.								
Wood	25%	0-2	$17,600	2045	* *	5	$4,300	
Dry Rot/Decay, Extent : Severe, Area Affected : 10%								
Location : Attic								
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	$10,100	LIFE	* *	5	$3,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : 3rd Floor East And West Walls								
Paint Peeling, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : 3rd Floor East And West Walls								
SGFT/Glazed Masonry	25%			LIFE	* *			
Ceilings								
Embossed Metal	75%	4+	$15,200	LIFE	* *	5	$6,700	
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : All Floors								
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		
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%			2043	* *			

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%			2040	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 400 Ampere Switch								
Switchgear / Switchboard								
Fused Disc Sw	100%			2040	* *	5	$100	
Raceway								
Conduit	100%			2040	* *	1		
Panelboards								
Molded Case Bkrs	75%			2038	* *	5	$300	
Molded Case Bkrs	25%			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	$3,900	
Generators								
Diesel	100%			2039	* *	1	$4,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 62 Kilowatt Generator								
Batteries								
Lead/Acid	100%			2024	$1,700	5	$500	
Fuel Storage								
Day Tank	100%			2046	* *	5	$2,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 75 Gallon Tank								
Lighting								
Interior Lighting								
Fluorescent	95%			2030	$37,800	10	$11,000	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Incandescent	5%			2025	$4,700	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. 33/ LADDER CO. 9
Asset # : 13021

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								
Egress Lighting								
Exit, Service	20%			2025	$300	1		
No Component	80%							
Exterior Lighting								
HID	50%			2035	* *	10		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Perimeter								
Explanation : Operated Via Timer And Switches								
No Component	50%							

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%			2040	* *	1		
Conversion Equipment								
Steam Boiler	100%			2035	* *	1	$12,500	
Distribution								
Steam Piping/Pump	100%			2040	* *			
Terminal Devices								
Convector/Radiator	90%			2035	* *	1	$3,700	
Unit Heater - Steam	10%	Now	$1,500	2030	$4,900	4	$100	
Other Observation, Extent : Moderate, Area Affected : 30%								
Location : 1st Floor								
Explanation : No Controls								
Air Conditioning								
Energy Source								
Electricity	100%			2046	* *	1		
Conversion Equipment								
Window/Wall Unit	30%			2025	$8,600	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	$2,300	2040	* *	2		
Broken, Extent : Severe, Area Affected : 10%								
Location : Kitchen Grill Hood Fan								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	* *	1		
Booster Pump w/Tank, Extent : Light, Area Affected : 100%								
Location : Basement								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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								
Gas Fired	100%			2025	$8,400	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%	Now	$20,100	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 30%								
Location : Basement Sewage Backflow During Storms								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2028	$300	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.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$59,800
Electrical		$93,300
Total		**$153,100**
Importance Code A		$59,800
Importance Code B		$93,300
Total		**$153,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$10,800	$5,300		
Interior Architecture	$19,600	$1,300	$500	$19,400
Electrical	$6,600		$100	
Mechanical	$34,900	$700	$700	$15,800
Total	**$71,800**	**$7,300**	**$1,300**	**$35,200**
Importance Code A	$13,300	$5,700	$400	$400
Importance Code B	$58,600	$1,600	$700	$34,800
Importance Code C			$200	
Total	**$71,800**	**$7,300**	**$1,300**	**$35,200**



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. 330/LADDER CO. 172
Asset # : 13212

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								
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	$4,800	2038	* *	5	$300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
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	$6,000	2030	$59,800			
Debris Present, Extent : Moderate, Area Affected : 30%								
Location : Throughout Main Roof								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Over Locker Room Area								
Worn/Eroded, Extent : Moderate, Area Affected : 75%								
Location : Throughout Main Roof								
Roll Roofing	30%			2026	$13,600	5	$5,200	
Soffits								
Stucco Cement	100%			2043	* *	5		
Interior								
Floors								
Cast in Place Concrete	40%	0-2	$4,800	LIFE	* *	5	$9,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Room								
Ceramic Tile	5%			2039	* *	5	$500	
Quarry Tile	10%	Now	$3,300	2043	* *	5	$800	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Locker Area								
Vinyl Tile	20%			2035	* *	3	$800	
Vinyl Tile 9" X 9"	15%	Now	$1,900	2025	$19,200	3	$600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Corridor And Bunk Room								
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		
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	$1,900	2043	* *	5	$1,100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Exposed Concrete	15%			LIFE	* *	5	$300	
Gypsum Board	15%			LIFE	* *	5	$2,000	
Plaster	50%	Now	$7,600	LIFE	* *	5	$3,400	
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	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Recent Replace Evident								
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		
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%	0-2	$2,100	2040	* *	5		
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	$52,200	5		
Raceway								
Conduit	100%			2040	* *	1		
Panelboards								
Molded Case Bkrs	100%			2029	$41,200	5	$200	
Wiring								
Thermoplastic	100%			2030	$29,600	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. 330/LADDER CO. 172
Asset # : 13212

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								
Motor Controllers								
Locally Mounted	100%			2028	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Water Main								
Lighting								
Interior Lighting								
Fluorescent	20%	2-4	$4,500	2040	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Volleyball Court								
Explanation : T-12 Lamps Type Lighting Fixtures								
LED	80%			2038	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout Building								
Explanation : LED Lighting Fixtures Installed.								
Exterior Lighting								
LED	100%			2035	* *			

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%			2040	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2043	* *	1	$3,800	
Distribution								
Hot Wtr Piping/Pump	100%			2046	* *	4	$600	
Terminal Devices								
Convector/Radiator	30%	0-2	$12,400	2050	* *	1	$700	
Damaged, Extent : Severe, Area Affected : 30%								
Location : Penthouse								
Convector/Radiator	70%			2035	* *	1	$1,800	
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Window/Wall Unit	100%	0-2	$16,100	2030	$16,100	1		
On Extended Life, Extent : Severe, Area Affected : 100%								
Location : 2nd Floor								
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. 330/LADDER CO. 172
Asset # : 13212

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	40%			2025	$11,000	2	$100	
Roof	30%			2025	$3,900	2	$100	
Wall Unit	30%	Now	$800	2040	* *	2	$100	
Malfunctioning, Extent : Severe, Area Affected : 100%								
Location : Apparatus Floor								
Plumbing								
H/C Water Piping								
Galvanized Steel	100%	Now	$1,700	2028	$34,000	1		
Broken, Extent : Severe, Area Affected : 10%								
Location : Water Main Valve								
Corroded, Extent : Moderate, Area Affected : 5%								
Location : Shut Off Valve								
Water Heater								
Electric	100%			2028	$6,800	4		
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor Janitors Closet								
Explanation : One Unit								
Sanitary Piping								
Cast Iron	100%	Now	$2,800	LIFE	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : Backs Up								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%	0-2	$300	2025	$300	4	$200	
On Extended Life, Extent : Light, Area Affected : 100%								
Location : Basement								
Fixtures								
Generic	100%							
Obsolete Fixtures, Extent : Severe, Area Affected : 100%								
Location : Throughout Facility								

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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **13-Jun-2018**			**Landmark Status**	: **NONE**
Areas Surveyed	: **Roof, Floors 1,2**				
Block	: **14163**	**Lot**	: **101**	**BIN**	: **4295071**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$58,800
Electrical		$8,200
Total		**$67,000**
Importance Code A		$58,800
Importance Code B		$8,200
Total		**$67,000**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$15,700	$11,100	$9,200	
Interior Architecture	$22,000	$500	$400	$600
Electrical	$600	$600	$2,400	$700
Mechanical	$7,200	$1,500	$44,500	$1,700
Total	**$45,500**	**$13,700**	**$56,600**	**$3,100**
Importance Code A	$19,100	$11,600	$9,600	$500
Importance Code B	$8,200	$1,700	$47,000	$2,700
Importance Code C	$18,200	$500		
Total	**$45,500**	**$13,700**	**$56,600**	**$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. 331/LADDER CO. 173
Asset # : 13213

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	90%			LIFE	* *	5	$17,400	
Metal Sect. OHD	10%	Now	$3,200	2034	* *	5	$3,000	
Other Observation, Extent : Severe, Area Affected : 5%								
Location : Side Facades								
Explanation : Two Metal Doors Deteriorated								
Windows								
Aluminum	95%	Now	$3,400	2037	* *	5	$800	
Caulking Deteriorated, Extent : Severe, Area Affected : 15%								
Location : Throughout								
Unit Inoperable, Extent : Moderate, Area Affected : 3%								
Location : Throughout								
Metal Louvers	5%			2032	* *	10	$500	
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	* *	5	$1,300	
Masonry: Brick	70%			LIFE	* *	5	$2,300	
Diagonal Cracks, Extent : Light, Area Affected : 2%								
Location : 2nd Floor Bulkhead								
Metal Rail	25%			2034	* *	5-10	$15,100	
Roof								
Roll Roofing	98%			2028	$58,800	5	$22,200	
Skylight, Metal/Glass	2%	Now	$8,600	2049	* *			
Water Penetration, Extent : Severe, Area Affected : 50%								
Location : Skylight At Kitchen								
Interior								
Floors								
Cast in Place Concrete	40%	4+	$2,600	LIFE	* *	5	$10,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Floor Near Rear								
Ceramic Tile	8%			2042	* *	5	$1,000	
Quarry Tile	5%			2034	* *	5	$900	
Terrazzo	4%			LIFE	* *	5	$400	
Vinyl Tile	43%			2037	* *	3	$2,600	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Explanation : Difficult To Clean								

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FIRE DEPARTMENT - 057
ENGINE CO. 331/LADDER CO. 173
Asset # : 13213

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%			2038	* *	5	$900	
Concrete Masonry Unit	40%	Now	$8,700	LIFE	* *	5	$2,900	
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Stairwell								
Plaster	20%	0-2	$9,500	LIFE	* *	5	$1,100	
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	* *			
Ceilings								
Exposed Concrete	35%			LIFE	* *	5	$600	
Gypsum Board	10%			LIFE	* *	5	$1,400	
Plaster	55%			LIFE	* *	5	$3,900	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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%			2055	* *	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%			2055	* *	5	$200	
Raceway								
Conduit	80%			2055	* *	1		
Conduit	20%			2029	$6,700	1		
Panelboards								
Molded Case Bkrs	20%			2028	$8,200	5		
Molded Case Bkrs	80%			2051	* *	5	$200	
Wiring								
Thermoplastic	80%			2055	* *	1		
Thermoplastic	20%			2039	* *	1		
Motor Controllers								
Locally Mounted	100%			2034	* *	5	$100	
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.
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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

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
Stand-by Power								
Transfer Switches								
Automatic	100%			2046	* *	1	$2,700	
Generators								
Natural Gas	100%			2042	* *	1	$3,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : Emergency Generator Rated At 103 Kilovolt-ampere								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$300	
Lighting								
Interior Lighting								
Fluorescent	70%			2029	$17,700	10	$5,600	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
LED	30%			2037	* *			
Egress Lighting								
Emergency, Service	50%			2037	* *	1		
Exit, LED	50%			2064	* *	1		
Exterior Lighting								
LED	30%			2037	* *			
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								
Energy Source								
Natural Gas	100%			2039	* *	1		
Conversion Equipment								
Hot Water Boiler	100%	0-2	$3,400	2046	* *	1	$3,900	
Not in Service, Extent : Moderate, Area Affected : 25%								
Location : #3 Unit, 1st Floor Mechanical Room								
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor Mechanical Room								
Explanation : 4 Units								
Distribution								
Hot Wtr Piping/Pump	100%			2037	* *	4	$400	
Terminal Devices								
Convector/Radiator	70%			2034	* *	1	$2,000	
Unit Heater - Steam	30%			2024	$9,400	4	$200	
Air Conditioning								
Energy Source								
Electricity	100%			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.
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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

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								
Conversion Equipment								
Reciprocating Compr/Chiller	30%			2037	* *	1	$1,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 1 Unit. R-410a Refrigerant								
Window/Wall Unit	30%			2024	$5,500	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	30%			2037	* *	1	$900	
No Component	70%							
Heat Rejection								
Air Cooled Condenser Unit	30%			2037	* *	2	$1,800	
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	* *	2-5	$2,000	
No Component	60%							
Exhaust Fans								
Interior	30%			2037	* *	2	$100	
Roof	10%			2037	* *	2		
No Component	60%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2027	$5,300	2	$100	
Sanitary Piping								
Cast Iron	100%	0-2	$3,200	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 30%								
Location : Water Backs Up To Apparatus Floor								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2024	$27,900	1-3	$3,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : 1 Set								

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

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **13-Jun-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **3691** **Lot** : **1**	**BIN**	: **3083579**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$80,500	$158,400
Electrical		$41,200
Mechanical		$116,600
Site Pavements	$63,300	
Total	**$143,900**	**$316,200**
Importance Code A	$80,500	$158,400
Importance Code B		$157,800
Importance Code C	$63,300	
Total	**$143,900**	**$316,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$53,600	$300	$4,800	
Interior Architecture	$29,500		$400	$400
Electrical	$2,200	$500	$1,200	$400
Mechanical	$27,000	$700	$6,600	$900
Site Enclosure	$20,800			
Site Pavements	$500			
Total	**$133,600**	**$1,400**	**$13,000**	**$1,700**
Importance Code A	$54,000	$600	$5,200	$400
Importance Code B	$51,200	$800	$7,900	$1,300
Importance Code C	$28,400			
Total	**$133,600**	**$1,400**	**$13,000**	**$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. 332/LADDER CO. 175 / RAC 2
Asset # : 13214

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								
Alum/Vinyl Siding	5%			2049	* *	10	$200	
Concrete Masonry Unit	75%	Now	$80,500	LIFE	* *	5	$5,700	
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : Front Facade								
Misaligned/Bulging, Extent : Moderate, Area Affected : 5%								
Location : Front Facade								
Metal Coiling Doors	10%	2-4	$7,400	2034	* *	5	$1,900	
Corrosion/Rusting, Extent : Moderate, Area Affected : 10%								
Location : Coiling Door Housing At Rear Of Building								
Wood Overhead Doors	10%			2034	* *	5	$6,100	
Windows								
Aluminum	100%			2028	$22,800	5	$500	
Parapets								
Metal Panel	40%			2039	* *	5	$3,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : At Roof								
Explanation : Metal Coping								
Metal Rail	60%			2042	* *	5-10	$24,000	
Roof								
Modified Bitumen	100%	Now	$31,700	2029	$158,400			
Alligatoring, Extent : Light, Area Affected : 10%								
Location : At Seams								
Debris Present, Extent : Moderate, Area Affected : 15%								
Location : 2 Story Roof								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Low Roof								
Soffits								
Alum/Vinyl Siding	100%			2049	* *	10		
Interior								
Floors								
Cast in Place Concrete	55%	Now	$7,100	LIFE	* *	5	$14,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Floor								
Ceramic Tile	10%			2032	* *	5	$1,200	
Quarry Tile	5%			2034	* *	5	$900	
Vinyl Tile	30%	0-2	$3,200	2029	$31,700	3	$1,300	
Worn/Eroded, Extent : Light, Area Affected : 20%								
Location : Throughout 2nd Floor								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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%			2032	* *	5	$300	
Concrete Masonry Unit	45%	Now	$6,900	LIFE	* *	5	$1,200	
Horizontal Cracks, Extent : Light, Area Affected : 5%								
Location : Dormitory - Under Windows								
Vertical Cracks, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor - Locker Room And Office								
Gypsum Board	5%			LIFE	* *	5	$200	
SGFT/Glazed Masonry	35%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	50%	2-4	$1,000	2034	* *	5	$2,900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor								
Staining/Discoloring, Extent : Moderate, Area Affected : 50%								
Location : Kitchen And Office								
Exposed Struc: Steel	20%	Now	$10,500	LIFE	* *			
Other Observation, Extent : Light, Area Affected : 10%								
Location : Basement								
Explanation : Missing Fireproofing								
Gypsum Board	30%			LIFE	* *	5	$4,400	
Site Enclosure								
Fence/Gates								
Chain Link	90%	Now	$20,800	2039	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 50%								
Location : Leaning Fence At Parking Area								
Other Observation, Extent : Severe, Area Affected : 50%								
Location : Parking Lot Area								
Explanation : Damaged Chainlink Gates								
Iron Picket	10%			2064	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Asphalt	95%	Now	$63,300	2032	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 50%								
Location : Parking Lot Area								
Cast in Place Concrete	5%	Now	$500	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Front Apron								

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								

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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

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	75%			2049	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Electrical Section								
Explanation : Main Service 400 Amperes								
No Component	25%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Basement Electrical Section								
Explanation : Abandoned In Place								
Raceway								
Conduit	80%			2029	$26,800	1		
Conduit	20%			2049	* *	1		
Panelboards								
Molded Case Bkrs	100%			2028	$41,200	5	$200	
Wiring								
Thermoplastic	80%			2029	$23,700	1		
Thermoplastic	20%			2049	* *	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	70%			2034	* *	1	$1,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Electrical Section								
Explanation : 600 Amperes, 3 Ph, 120/208 Volts For Compressor Room								
No Component	30%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Basement Electrical Section								
Explanation : Transfer Switch Abandoned In Place								
Generators								
Diesel	70%			2032	* *	1	$2,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : In Backyard Outdoor Enclosure								
Explanation : 150 Kilowatt Generator								
No Component	30%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Basement Electrical Section								
Explanation : Diesel Generator Abandoned In Place								
Batteries								
Lead/Acid	100%			2022	$1,600	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.
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FIRE DEPARTMENT - 057
ENGINE CO. 332/LADDER CO. 175 / RAC 2
Asset # : 13214

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
Stand-by Power								
Fuel Storage								
Main Tank	100%			2044	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Backyard								
Explanation : 500 Gallon Tank								
Lighting								
Interior Lighting								
Fluorescent	10%			2034	* *	10	$700	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement								
LED	90%			2034	* *			
Egress Lighting								
Emergency, Service	50%			2034	* *	1		
Exit, Service	50%			2029	$500	1		
Exterior Lighting								
Fluorescent	1%			2034	* *	10		
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Main Entrance								
HID	99%			2037	* *	10		
Alarm								
Fire/Smoke Detection								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Located In Inaccessible Closet								

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%			2049	* *	1		
Conversion Equipment								
Furnace	10%			2034	* *	1	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Gas Fire Unit Heaters Serve Air Bottle Fill Area								
Hot Water Boiler	90%			2042	* *	1	$3,500	
Distribution								
Hot Wtr Piping/Pump	100%			2037	* *	4	$400	
Terminal Devices								
Fan Coil Unit/Heat	100%	Now	$23,300	2029	$116,600	1	$2,300	
Broken, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Air Conditioning								

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. 332/LADDER CO. 175 / RAC 2
Asset # : 13214

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%			2045	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%			2034	* *	2	$100	
Window/Wall Unit	40%			2027	$6,500	1		
Window/Wall Unit	20%	Now	$3,200	2029	$3,200	1		
Broken, Extent : Severe, Area Affected : 100%								
Location : Throughout								
No Component	20%							
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2	$2,000	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$4,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Includes Make- Up Air								
Exhaust Fans								
Interior	50%			2029	$13,900	2	$100	
Roof	50%			2034	* *	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Booster Pumps								
Water Heater								
Gas Fired	100%			2024	$4,800	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Backflow Preventer								
No Component	95%							
Generic	5%			2029	$100	1		
Fixtures								
Generic	100%							
Fire Suppression								

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. 332/LADDER CO. 175 / RAC 2
Asset # : 13214

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	90%							
Generic	10%			2039	* *	1-2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st And 2nd Floor								
Explanation : Serves Stair And Corridor Only								
Chemical System								
Wet	2%			2027	$600	1-3	$100	
No Component	98%							

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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **15-Feb-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **735** **Lot** : **61**	**BIN**	: **1012982**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$38,500	$115,000
Electrical		$8,200
Total	**$38,500**	**$123,300**
Importance Code A	$38,500	$115,000
Importance Code B		$8,200
Total	**$38,500**	**$123,300**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$63,200		$3,700	
Interior Architecture	$29,300	$700	$600	$700
Electrical	$100	$100	$9,000	$100
Mechanical	$43,100	$1,800	$1,500	$2,100
Site Pavements	$200			
Total	**$135,900**	**$2,500**	**$14,900**	**$2,900**
Importance Code A	$64,100	$900	$4,600	$900
Importance Code B	$55,400	$1,600	$10,300	$2,000
Importance Code C	$16,400			
Total	**$135,900**	**$2,500**	**$14,900**	**$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.*

FIRE DEPARTMENT - 057
ENGINE CO. 34/ LADDER CO. 21
Asset # : 13022

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	60%	0-2	$9,600	LIFE	* *	5	$15,000	
Expansion Joint Failure, Extent : Moderate, Area Affected : 5%								
Location : West Property Line								
Staining/Discoloring, Extent : Moderate, Area Affected : 10%								
Location : North Facade								
Masonry: Limestone	10%			LIFE	* *	5	$1,900	
Metal Sect. OHD	25%			2042	* *	5	$19,500	
Granite Panels	5%			LIFE	* *	5	$900	
Windows								
Aluminum	100%	Now	$32,300	2045	* *	5	$700	
Air Infiltration, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Hardware Missing, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Caulking Deteriorated, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Parapets								
Masonry: Brick	80%			LIFE	* *	5	$1,900	
Masonry: Limestone	20%			LIFE	* *	5	$600	
Roof								
Modified Bitumen	65%	Now	$11,500	2029	$115,000			
Drains Clogged, Extent : Light, Area Affected : 25%								
Location : Throughout								
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Over 1st Floor Toilet								
Modified Bitumen	30%			2034	* *	10	$3,700	
Skylight, Metal/Glass	2%	Now	$38,500	2059	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 25%								
Location : Over Hose Tower								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Over Hose Tower								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Over Hose Tower								
Explanation : Skylight								
Not Accessible	3%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Roof Over Hose Tower And Bulkhead								
Explanation : Roof Is Not Accessible								
Interior								

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*** 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		
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	$11,400	
Ceramic Tile	10%			2038	* *	5	$1,300	
Quarry Tile	5%			2034	* *	5	$1,000	
Terrazzo	5%			LIFE	* *	5	$500	
Cracking/Crumbling, Extent : Light, Area Affected : 0%								
Location : 2nd Floor								
Vinyl Tile	40%	Now	$9,500	2034	* *	3	$2,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Worn/Eroded, Extent : Moderate, Area Affected : 10%								
Location : Cellar								
Interior Walls								
Concrete Masonry Unit	20%			LIFE	* *	5	$1,200	
Gypsum Board	20%			LIFE	* *	5	$1,700	
Plaster	30%	Now	$7,400	LIFE	* *	5	$1,300	
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : Basement								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Along The 2nd Floor Street Front Wall, Stair								
SGFT/Glazed Masonry	30%	Now	$9,000	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Room								
Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Room								
Ceilings								
AcousTileSusp.Lay-In	5%			2034	* *	5	$300	
Staining/Discoloring, Extent : Severe, Area Affected : 5%								
Location : 2nd Floor Street Front, Kitchen								
Exposed Concrete	35%			LIFE	* *	5	$300	
Exposed Struc: Steel	20%			LIFE	* *			
Plaster	40%	Now	$3,400	LIFE	* *	5	$1,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout 2nd Floor								
Paint Peeling, Extent : Moderate, Area Affected : 10%								
Location : Throughout 2nd Floor								
Staining/Discoloring, Extent : Severe, Area Affected : 10%								
Location : Throughout 2nd Floor								
Site Enclosure								
Fence/Gates								
Masonry: Brick	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	2-4	$200	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Front At Bollard								

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FIRE DEPARTMENT - 057
ENGINE CO. 34/ LADDER CO. 21
Asset # : 13022

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								
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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%			2049	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Fused Disc Sw	100%			2049	* *	5		
Raceway								
Conduit	100%			2049	* *	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	75%			2045	* *	5	$200	
Molded Case Bkrs	20%			2028	$8,200	5		
Wiring								
Thermoplastic	75%			2049	* *	1		
Thermoplastic	25%			2029	$7,400	1		
Motor Controllers								
Locally Mounted	100%			2042	* *	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
Fluorescent	95%			2034	* *	10	$7,800	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Incandescent	5%			2034	* *	2		
Egress Lighting								
Emergency, Battery	50%			2034	* *	10	$1,100	
Exit, Service	50%			2034	* *	1		
Exterior Lighting								
HID	100%			2034	* *	10		
Alarm								
Security System								
No Component	90%							
Generic	10%			2034	* *	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. 34/ LADDER CO. 21
Asset # : 13022

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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$8,900	
Distribution								
Central Plant Steam Piping/Pmp	100%			2039	* *	4	$700	
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$2,900	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Window/Wall Unit	75%			2022	$14,100	1		
No Component	25%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	* *	2-5	$500	
No Component	90%							
Exhaust Fans								
Interior	40%			2029	$12,800	2	$100	
Roof	60%			2029	$9,000	2	$200	
Other Observation, Extent : Moderate, Area Affected : 50%								
Location : Main Roof								
Explanation : Motor Controller Not Functioning								
Plumbing								
H/C Water Piping								
Brass/Copper	50%			2039	* *	1		
Galvanized Steel	50%			2034	* *	1		
Water Heater								
Gas Fired	100%			2027	$5,500	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Mechanical Room								
Explanation : Two 75 Gallon Tanks								
Sanitary Piping								
Cast Iron	25%			LIFE	* *	1		
Cast Iron	75%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%			2029	$1,400	4	$200	
Backflow Preventer								
No Component	95%							
Generic	5%			2029	$100	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Mechanical Room								
Explanation : Serves Boiler Water Makeup Feed Only								

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*** 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		
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								
Wet	100%	0-2	$27,900	2029	$27,900	1-3	$3,900	
Not in Service, Extent : Severe, Area Affected : 100%								
Location : Kitchen								

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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$112,300	
Interior Architecture		$40,600
Electrical		$83,000
Mechanical		$84,000
Total	**$112,300**	**$207,700**
Importance Code A	$112,300	$84,000
Importance Code B		$123,600
Total	**$112,300**	**$207,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$52,700	$3,300		
Interior Architecture	$92,400		$700	$900
Electrical	$300	$100	$200	$300
Mechanical	$16,800	$1,400	$3,100	$1,400
Total	**$162,200**	**$4,800**	**$4,000**	**$2,600**
Importance Code A	$53,200	$3,800	$500	$500
Importance Code B	$93,300	$1,000	$3,500	$2,100
Importance Code C	$15,700			
Total	**$162,200**	**$4,800**	**$4,000**	**$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

ENGINE CO. 35/ LADDER CO. 14/ BATTALION 12

Asset # : 13023

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								
Concrete Masonry Unit	45%			LIFE	* *	5	$11,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Split Faced Finish								
Masonry: Brick Cavity	43%	0-2	$18,000	LIFE	* *	5	$9,000	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Side And Rear Facades								
Other Observation, Extent : Severe, Area Affected : 10%								
Location : Precast Window Sills								
Explanation : Cracking And Crumbling								
Metal Panel	2%			2041	* *	5-10	$2,900	
Metal Sect. OHD	10%			2048	* *	5	$6,500	
Windows								
Aluminum	100%	Now	$52,900	2056	* *	5	$600	1
Broken/Missing Elements, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 70%								
Location : Throughout								
Misaligned/Bulging, Extent : Severe, Area Affected : 15%								
Location : Second Floor								
Caulking Deteriorated, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Unit Inoperable, Extent : Severe, Area Affected : 25%								
Location : Throughout								
Parapets								
Concrete Masonry Unit	45%	Now	$8,400	LIFE	* *	5	$1,400	1
Cracking/Crumbling, Extent : Severe, Area Affected : 25%								
Location : Outer Parapet Wall								
Horizontal Cracks, Extent : Severe, Area Affected : 25%								
Location : Underside Of Coping								
Vertical Cracks, Extent : Severe, Area Affected : 15%								
Location : Corners On Outer Parapet Wall								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Split Faced Finish								
Masonry: Brick	40%			LIFE	* *	5-10	$7,500	
Pre-Cast Concrete	10%			LIFE	* *	5	$3,400	
Stucco Cement	5%	2-4	$1,100	2044	* *	5	$200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : Throughout Parapet								
Roof								
Modified Bitumen	20%			2039	* *	10	$3,400	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Roof Areas								
Roll Roofing	80%			2024	$59,400	5	$22,500	

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. 35/ LADDER CO. 14/ BATTALION 12
Asset # : 13023

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								
Soffits								
Stucco Cement	100%			2044	* *	5		
Interior								
Floors								
Carpet	10%			2030	$20,300	3	$2,200	
Cast in Place Concrete	20%	Now	$33,100	LIFE	* *	5	$6,500	
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Apparatus Room								
Cast in Place Concrete	20%			LIFE	* *	5	$13,000	
Ceramic Tile	5%			2027	$15,400	5	$700	
Ceramic Tile	5%			2040	* *	5	$700	
Quarry Tile	10%			2036	* *	5	$2,200	
Vinyl Tile	30%	Now	$4,100	2031	$40,600	3	$1,700	
Broken/Missing Elements, Extent : Severe, Area Affected : 15%								
Location : Throughout								
Worn/Eroded, Extent : Severe, Area Affected : 25%								
Location : Throughout								
Interior Walls								
Ceramic Tile	5%	Now	$3,000	2034	* *	5	$500	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%								
Location : First And Second Floor Bathrooms								
Concrete Masonry Unit	35%			LIFE	* *	5	$5,700	
Gypsum Board	30%			LIFE	* *	5-10	$10,500	
SGFT/Glazed Masonry	30%			LIFE	* *	10	$3,100	
Ceilings								
AcousTileSusp.Lay-In	15%	0-2	$1,000	2036	* *	5	$1,100	
Worn/Eroded, Extent : Severe, Area Affected : 5%								
Location : 1st Floor Office								
Exposed Concrete	15%			LIFE	* *	5-10	$2,800	
Plaster	70%	0-2	$29,200	LIFE	* *	5	$6,500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Room								
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Throughtout Second Floor								
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : 1st Floor								
Site Pavements								
Public Sidewalk								
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								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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								
Molded Case Bkrs	100%			2031	$5,200	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	$52,200	5	$300	
Raceway								
Conduit	95%			2031	$31,800	1		
Conduit	5%			2051	* *	1		
Panelboards								
Fused Disc Sw	5%			2030	$2,100	5		
Molded Case Bkrs	75%			2030	$30,900	5	$200	
Molded Case Bkrs	20%			2039	* *	5	$100	
Wiring								
Thermoplastic	90%			2031	$26,700	1		
Thermoplastic	10%			2041	* *	1		
Motor Controllers								
Locally Mounted	100%			2029	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$300	
Lighting								
Interior Lighting								
Fluorescent	95%			2031	$30,000	10	$9,500	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Fluorescent	5%			2031	$1,600	10	$500	
Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%								
Location : Uniforms Room								
Egress Lighting								
Emergency, Battery	50%			2031	$7,800	10	$1,300	
Exit, Service	50%			2031	$600	1		
Exterior Lighting								
HID	20%			2026	$8,800	10		
No Component	80%							
Alarm								
Fire/Smoke Detection								
No Component	80%							
Generic, Analog	20%			2026	$24,100	1-3	$1,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : Strobes, Bell, Horn, Fire Alarm Panel And Pull Box Station								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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%			2029	$84,000	1	$5,400	
Distribution								
Hot Wtr Piping/Pump	100%			2039	* *	4	$800	
Terminal Devices								
Convector/Radiator	75%			2036	* *	1	$2,600	
Unit Heater - Steam	25%			2026	$9,700	4	$400	
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	10%			2031	$8,800	2	$100	
R-22 Refrigerant, Extent : Light, Area Affected : 10%								
Location : Roof								
Split Unit	10%			2036	* *			
Window/Wall Unit	40%	Now	$9,100	2031	$9,100	1		
Not Energy Efficient, Extent : Moderate, Area Affected : 40%								
Location : Various Locations								
On Extended Life, Extent : Severe, Area Affected : 40%								
Location : Various Locations								
Window/Wall Unit	15%			2029	$3,400	1		
No Component	25%							
Heat Rejection								
Air Cooled Condenser Unit	100%			2036	* *	2	$7,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : Condenser For The Split Unit								
Ventilation								
Distribution								
Ductwork/Diffusers	50%			LIFE	* *	2-5	$4,800	
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. 35/ LADDER CO. 14/ BATTALION 12

Asset # : 13023

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	10%	0-2	$400	2031	$3,900	2		
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Basement. Defective Blower Motor And Broken Belt								
Interior	40%	0-2	$1,600	2036	* *	2	$100	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : First Floor								
Explanation : There Is No Air Ventilation In The Apparatus Room Operational Floor Installation Of An Exhaust Fan Needed.								
Roof	20%	0-2	$400	2036	* *	2	$100	
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Roof. Defective Bathroom Exhaust Fan								
No Component	30%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	* *	1		
Water Heater								
Gas Fired	100%			2030	$6,600	2	$200	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Basement								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 100 Gallon Units								
Sanitary Piping								
Cast Iron	90%			LIFE	* *	1		
Cast Iron	10%	0-2	$400	LIFE	* *	1		
Other Observation, Extent : Moderate, Area Affected : 50%								
Location : Basement								
Explanation : Occasional Sewer Back Up								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%			2026	$1,700	4	$300	
Fixtures								
Generic	95%							
Generic	5%							
Leaking Connections, Extent : Moderate, Area Affected : 100%								
Location : 2nd Floor And Laundry Room Leaking Faucets								
Fire Suppression								
Sprinkler								
No Component	95%							
Generic	5%			2031	$5,300	1-2	$200	
Chemical System								
Generic	100%			2026	$27,900	1-3	$4,000	
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.*

FIRE DEPARTMENT - 057
ENGINE CO. 35/ LADDER CO. 14/ BATTALION 12
Asset # : 13023

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$87,300	$313,000
Interior Architecture		$48,200
Mechanical		$128,600
Total	**$87,300**	**$489,900**
Importance Code A	$87,300	$403,800
Importance Code B		$86,000
Total	**$87,300**	**$489,900**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$71,300			
Interior Architecture	$90,200		$1,800	$700
Electrical	$400		$100	
Mechanical	$14,000	$2,500	$29,400	$2,500
Total	**$175,900**	**$2,600**	**$31,300**	**$3,200**
Importance Code A	$80,400	$600	$600	$600
Importance Code B	$54,800	$2,000	$29,600	$2,600
Importance Code C	$40,600		$1,000	
Total	**$175,900**	**$2,600**	**$31,300**	**$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. 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
Exterior								
Exterior Walls								
Metal Sect. OHD	10%			2036	* *	5	$8,600	
Pre-Cast Concrete	90%	Now	$87,300	LIFE	* *	5	$80,400	
Broken/Missing Elements, Extent : Severe, Area Affected : 15%								
Location : East Facade								
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : Entrance Door. Center Bay								
Staining/Discoloring, Extent : Severe, Area Affected : 20%								
Location : East Facade								
Windows								
Aluminum	100%	Now	$2,500	2047	* *	5	$600	
Unit Inoperable, Extent : Severe, Area Affected : 2%								
Location : 2nd Floor Rear Of Building								
Other Observation, Extent : Light, Area Affected : 40%								
Location : Street Level								
Explanation : Protective Metal Grilles								
Parapets								
Cast Stone/Terra Cotta	10%	Now	$2,400	LIFE	* *	5	$2,800	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%								
Location : Coping								
Pre-Cast Concrete	80%	Now	$33,100	LIFE	* *	5	$18,200	
Spalling, Extent : Severe, Area Affected : 35%								
Location : South And West Facades								
Worn/Eroded, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Stucco Cement	10%	Now	$9,900	2051	* *	5	$500	
Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
Location : Inside Face Of Parapet Wall								
Roof								
Built-Up (BUR)	100%	Now	$23,300	2026	$232,700			
Debris Present, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%								
Location : West Facade								
Vegetation Growth, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Worn/Eroded, Extent : Moderate, Area Affected : 40%								
Location : Throughout								
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.
*** 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	$16,800	LIFE	* *	5	$16,600	
Cracking/Crumbling, Extent : Severe, Area Affected : 15%								
Location : Apparatus Floor								
Misaligned/Bulging, Extent : Severe, Area Affected : 10%								
Location : Apparatus Room								
Ceramic Tile	10%			2034	* *	5	$1,500	
Quarry Tile	5%			2036	* *	5	$1,100	
Vinyl Tile	35%	Now	$4,800	2031	$48,200	3	$2,000	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Gymnasium Area								
Interior Walls								
Cast in Place Concrete	10%	0-2	$2,800	LIFE	* *			
Paint Peeling, Extent : Moderate, Area Affected : 40%								
Location : Basement								
Ceramic Tile	10%			2034	* *	5	$2,100	
Concrete Masonry Unit	40%			LIFE	* *	5	$6,700	
SGFT/Glazed Masonry	40%	0-2	$34,500	LIFE	* *			
Worn/Eroded, Extent : Moderate, Area Affected : 20%								
Location : Base Of Wall. Stairs And Hallways								
Ceilings								
AcousTileSusp.Lay-In	10%	4+	$1,300	2036	* *	5	$800	
Staining/Discoloring, Extent : Moderate, Area Affected : 25%								
Location : Kitchen								
Exposed Concrete	20%			LIFE	* *	5-10	$3,800	
Gypsum Board	70%			LIFE	* *	5-10	$36,500	
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	* *			

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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2051	* *	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. 37
Asset # : 13025

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								
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	$300	
Lighting								
Interior Lighting								
Fluorescent	98%			2036	* *	10	$10,600	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Incandescent	2%			2036	* *	2		
Egress Lighting								
Emergency, Battery	50%			2036	* *	10	$1,400	
Exit, Service	50%			2036	* *	1		
Lens/Guard Missing, Extent : Light, Area Affected : 100%								
Location : Second Floor								
Exterior Lighting								
HID	20%			2036	* *	10		
No Component	80%							
Alarm								
Security System								
No Component	90%							
Generic	10%			2036	* *	1	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : CCTV Surveillance System								

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%			2041	* *	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. 37
Asset # : 13025

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								
Hot Water Boiler	100%	0-2	$9,100	2029	$90,800	1	$5,200	
Corroded, Extent : Moderate, Area Affected : 20%								
Location : Boiler Room								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Explanation : Defective Temperature Control With Thermostat								
Distribution								
Hot Wtr Piping/Pump	100%			2039	* *	4	$900	
Terminal Devices								
Convector/Radiator	60%			2029	$37,800	1	$2,300	
Unit Heater - Steam	40%			2026	$16,800	4	$600	
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	10%			2031	$9,500	2	$100	
R-22 Refrigerant, Extent : Light, Area Affected : 10%								
Location : Lower Roof								
Window/Wall Unit	20%			2029	$4,900	1		
No Component	70%							
Heat Rejection								
Air Cooled Condenser Unit	60%			2031	$4,300	2	$4,900	
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%			LIFE	* *	2-5	$4,200	
No Component	60%							
Exhaust Fans								
Interior	20%			2031	$8,400	2	$100	
Roof	20%	0-2	$800	2036	* *	2	$100	
Malfunctioning, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor Bathroom Defective Exhaust Fan								
Wall Unit	20%			2026	$800	2	$100	
Wall Unit	10%	Now	$100	2031	$400	2		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 2nd Floor, Dryer Vent Malfunctioning.								
Explanation : Defective Dryer Vent								
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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Water Heater								
Gas Fired	100%			2029	$7,200	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	30%	0-2	$1,500	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 100%								
Location : Alley Way. Sewer Backup, Clogged Blocked Drain								
Cast Iron	70%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%			2031	$1,800	4	$400	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2024	$27,900	1-3	$4,000	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$359,300	
Electrical		$39,100
Total	**$359,300**	**$39,100**
Importance Code A	$359,300	
Importance Code B		$39,100
Total	**$359,300**	**$39,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$19,700		$5,700	
Interior Architecture	$26,700		$200	$800
Electrical	$6,800			$100
Mechanical	$1,700	$900	$800	$1,000
Site Pavements	$6,700			
Total	**$61,700**	**$900**	**$6,800**	**$1,900**
Importance Code A	$20,300	$600	$6,200	$600
Importance Code B	$35,700	$300	$500	$1,000
Importance Code C	$5,700			$300
Total	**$61,700**	**$900**	**$6,800**	**$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. 38/ LADDER CO. 51
Asset # : 13026

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								
Alum/Vinyl Siding	5%			2051	* *	10	$400	
Masonry: Brick	70%	4+	$306,600	LIFE	* *	5	$15,900	
Paint Peeling, Extent : Moderate, Area Affected : 50%								
Location : South, North And East Facades								
Painted Surfaces, Extent : Moderate, Area Affected : 75%								
Location : South, North And East Facades								
Spalling, Extent : Moderate, Area Affected : 25%								
Location : South And North Facades								
Masonry: Granite	5%	Now	$2,900	LIFE	* *	5	$900	
Broken/Missing Elements, Extent : Severe, Area Affected : 2%								
Location : Front Facade At Apparatus Entry								
Masonry: Limestone	5%	Now	$13,200	LIFE	* *	5	$900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : West Facade								
Staining/Discoloring, Extent : Moderate, Area Affected : 20%								
Location : West Facade								
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	$52,700	LIFE	* *	5	$1,700	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : Roof								
Spalling, Extent : Moderate, Area Affected : 25%								
Location : Roof								
Masonry: Limestone	5%	2-4	$2,100	LIFE	* *	5	$100	
Spalling, Extent : Moderate, Area Affected : 25%								
Location : Front Of Building								
Pre-Cast Concrete	5%			LIFE	* *	5	$1,200	
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+	$9,400	LIFE	* *	5	$9,200	
Spalling, Extent : Moderate, Area Affected : 50%								
Location : 1st Floor Skim Coating Apparatus Bay								
Ceramic Tile	3%			2040	* *	5	$300	
Quarry Tile	2%			2036	* *	5	$300	
Terrazzo	2%			LIFE	* *	5	$300	
Vinyl Tile	30%			2031	$24,000	3	$1,300	
Wood	15%			2046	* *	5	$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. 38/ LADDER CO. 51
Asset # : 13026

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%			2040	* *	5	$700	
Masonry: Brick	10%			LIFE	* *	10	$400	
Plaster	45%	Now	$2,600	LIFE	* *	5	$1,800	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Main Stair								
SGFT/Glazed Masonry	40%			LIFE	* *	10	$2,700	
Ceilings								
AcousTileSusp.Lay-In	5%			2044	* *	5	$500	
Exposed Concrete	25%			LIFE	* *	5-10	$3,100	
Exposed Struc: Steel	10%			LIFE	* *	10	$2,000	
Plaster	60%			LIFE	* *	5-10	$10,200	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	$6,700	2044	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 60%								
Location : Apron Ramp To Apparatus Bay								
On-Site Walkways								
Cast in Place Concrete	100%			2036	* *			

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	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Amperes Main Disconnect Switch								
Raceway								
Conduit	100%			2031	$33,500	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 38/ LADDER CO. 51
Asset # : 13026

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								
Panelboards								
Fused Disc Sw	3%			2030	$1,200	5		
Fused Disc Sw	2%	0-2	$800	2056	* *	5		
Enclosure Corroded, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : Panel Rated At 30 Amperes And 60 Amperes								
Molded Case Bkrs	70%			2030	$28,800	5	$100	
Molded Case Bkrs	25%			2030	$10,300	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Operational But Missing Cover								
Wiring								
Braided Cloth	20%	2-4	$5,900	2056	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Thermoplastic	80%			2031	$23,700	1		
Motor Controllers								
Locally Mounted	100%			2029	$15,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Water Main Basement								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Observed On Water Main								
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		
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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*** 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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Conversion Equipment								
Furnace	10%			2036	* *	1	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outdoor Lounge Area								
Explanation : 1 Natural Gas Fired Space Heater								
Steam Boiler	90%			2044	* *	1	$5,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Natural Gas Fired Steam Boiler								
Distribution								
Steam Piping/Pump	100%			2041	* *			
Terminal Devices								
Convector/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	$6,100	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		
Malfunctioning, Extent : Moderate, Area Affected : 50%								
Location : Roof. Two Bathroom Exhaust Fan Malfunctioning Due To Defective Motor And Belt								
Wall Unit	20%	0-2	$400	2031	$400	2		
Malfunctioning, Extent : Severe, Area Affected : 100%								
Location : Kitchen Exhaust Fan Malfunctoning								
No Component	60%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2029	$3,600	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon								
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		
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	80%			LIFE	* *	1		
Cast Iron	20%	0-2	$200	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 100%								
Location : Side Of Building. Clogged Drain Resulting In Water Backup To Basement								
Sump Pump(s)								
Submersible	100%			2025	$200	4	$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	90%							
Generic	10%			2029	$2,800	1-3	$400	

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Interior Architecture		$47,800
Electrical		$52,900
Mechanical		$37,700
Total		**$138,400**
Importance Code B		$138,400
Total		**$138,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$2,600	$3,500		
Interior Architecture	$19,500	$3,400	$1,600	$1,300
Electrical	$6,200	$100	$200	$9,700
Mechanical	$10,400	$12,900	$5,700	$1,000
Total	**$38,800**	**$19,900**	**$7,500**	**$12,000**
Importance Code A	$2,600	$3,500		
Importance Code B	$30,300	$16,300	$6,500	$12,000
Importance Code C	$5,800		$1,100	
Total	**$38,800**	**$19,900**	**$7,500**	**$12,000**



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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. 39/ LADDER CO. 16 (COMBINED FACILITY)

Asset # : 13027

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	55%			LIFE	* *	5	$9,200	
Efflorescence, Extent : Light, Area Affected : 5%								
Location : Front Facade								
Masonry: Brownstone	25%			LIFE	* *	5	$3,100	
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : Front Facade								
Masonry: Granite	5%			LIFE	* *	5	$600	
Metal Sect. OHD	10%			2047	* *	5	$5,200	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Main South Facade								
Wood Overhead Doors	5%			2043	* *	5	$4,200	
Windows								
Aluminum	50%			2038	* *	5	$300	
Wood	50%			2038	* *	5	$2,600	
Roof								
Under Construction	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Lower Roof								
Explanation : Access Through Police Precinct Next Door								
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	$4,800	2030	$47,800	3	$1,800	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : 2nd Floor Laundry Room.								
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Various Locations								
Interior Walls								
Cast in Place Concrete	10%			LIFE	* *			
Ceramic Tile	10%			2039	* *	5	$2,200	
Concrete Masonry Unit	15%	4+	$4,200	LIFE	* *	5	$1,300	
Broken/Missing Elements, Extent : Severe, Area Affected : 2%								
Location : Basement Corridor								
Glass: Single Pane	5%			LIFE	* *	5	$800	
Gypsum Board	5%	Now	$1,600	LIFE	* *	5	$700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Lounge And Gymnasium								
SGFT/Glazed Masonry	55%			LIFE	* *			

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FIRE DEPARTMENT - 057

ENGINE CO. 39/ LADDER CO. 16 (COMBINED FACILITY)

Asset # : 13027

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	35%			2043	* *	5	$6,800	
Exposed Concrete	50%	4+	$7,200	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	$1,700	LIFE	* *	5	$3,600	
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	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2035	* *			

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								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : In Police Precinct								
Explanation : Main Service								
Switchgear / Switchboard								
Not Accessible	100%							
Raceway								
Conduit	100%			2040	* *	1		
Panelboards								
Molded Case Bkrs	100%			2029	$44,700	5	$300	
Wiring								
Thermoplastic	100%			2040	* *	1		
Motor Controllers								
Locally Mounted	100%			2035	* *	5	$100	
Ground								
Grounding Devices								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : In Police Precinct								
Explanation : Ground								
Lighting								

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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. 39/ LADDER CO. 16 (COMBINED FACILITY)

Asset # : 13027

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%			2030	$8,200	10	$2,400	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Fluorescent	80%			2035	* *	10	$9,500	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Egress Lighting								
Emergency, Service	50%			2030	$3,700	1		
Exit, Service	50%			2030	$800	1		
Exterior Lighting								
HID	5%			2030	$2,800	10		
No Component	95%							
Lightning Protection								
Arresters/Cabling								
Not Accessible	100%							
Alarm								
Fire/Smoke Detection								
No Component	90%							
Generic, Analog	10%	Now	$6,200	2035	* *	1-3	$700	
Devices Missing, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Local/Battery Operated Detect, Extent : Moderate, Area Affected : 100%								
Location : Throughout								

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								
Electricity	50%			2050	* *	1		
Not Accessible	50%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Throughout								
Explanation : Located In Adjacent Building								
Conversion Equipment								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Throughout								
Explanation : Located In Adjacent Building								
Distribution								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Throughout								
Explanation : Located In Adjacent Building								

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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. 39/ LADDER CO. 16 (COMBINED FACILITY)

Asset # : 13027

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								
Convector/Radiator	50%			2028	$37,700	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+	$2,900	2028	$5,900	1		
On Extended Life, Extent : Light, Area Affected : 20%								
Location : Various Locations Throughout								
Not Accessible	80%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Throughout								
Explanation : Located In Adjacent Building								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2	$16,900	
Abandoned in Place, Extent : Light, Area Affected : 100%								
Location : Various Locations Throughout								
Terminal Devices								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Throughout								
Explanation : Located In Adjacent Building								
Heat Rejection								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Throughout								
Explanation : Located In Adjacent Building								
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$7,200	
Exhaust Fans								
Roof	100%	Now	$7,000	2030	$23,400	2	$300	
Broken, Extent : Severe, Area Affected : 30%								
Location : Serves Locker Room								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	* *	1		
Water Heater								
Electric	100%			2023	$12,400	4	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Explanation : One 120 Gallon Unit Used As Backup								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			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. 39/ LADDER CO. 16 (COMBINED FACILITY)

Asset # : 13027

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	98%							
Generic	2%			2025	$600	1-3	$100	
	Other Observation, Extent : Light, Area Affected : 10%							
	Location : Kitchen							
	Explanation : Kitchen Hood							

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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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$57,500	$57,500
Interior Architecture		$41,000
Electrical		$70,300
Mechanical		$576,000
Total	**$57,500**	**$744,900**
Importance Code A	$57,500	$57,500
Importance Code B		$687,300
Total	**$57,500**	**$744,900**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$1,000	$200		$10,800
Interior Architecture	$37,000		$3,000	$1,800
Electrical	$13,300	$4,000	$1,200	$2,800
Mechanical	$16,800	$1,300	$7,800	$11,200
Total	**$68,100**	**$5,500**	**$12,000**	**$26,600**
Importance Code A	$1,700	$1,000	$800	$11,600
Importance Code B	$54,400	$4,600	$9,400	$15,000
Importance Code C	$11,900		$1,800	
Total	**$68,100**	**$5,500**	**$12,000**	**$26,600**



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. 4/ LADDER CO. 15 (COMBINED FACILITY) HIGH RISE

Asset # : 13003

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: 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	$1,000	2039	* *			
Bent/Warped Elements, Extent : Moderate, Area Affected : 5%								
Location : 3rd Floor								
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : 3rd Floor								
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	$12,800	2035	* *	3	$2,600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Locker Room And Corridors								
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : Locker Room And Corridors								
Interior Walls								
Ceramic Tile	10%			2039	* *	5	$3,600	
Gypsum Board	45%			LIFE	* *	5	$9,700	
SGFT/Glazed Masonry	40%	Now	$11,900	LIFE	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%								
Location : Back Wall Of Apparatus Area								
Wood	5%			LIFE	* *	5	$7,200	
Ceilings								
AcousTileSusp.Lay-In	40%	4+	$4,100	2035	* *	5	$4,700	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor								
Staining/Discoloring, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor								
Exposed Struc: Steel	15%			LIFE	* *			
Fiber Board	25%	Now	$8,200	2030	$41,000			
Other Observation, Extent : Light, Area Affected : 20%								
Location : 3rd Floor Mechanical Spaces								
Explanation : Exposed Silver / Foil Insulation Delaminated And Punctured.								
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		
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%			2035	* *			

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%			2050	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : 800 Amperes 480 volts 3 Phase								
Raceway								
Conduit	80%			2030	$26,800	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		
Motor Controllers								
Locally Mounted	100%			2035	* *	5	$100	
Ground								
Grounding Devices								
Not Accessible	100%							
Stand-by Power								
Transfer Switches								
Automatic	100%			2035	* *	1	$4,900	
Generators								
Diesel	100%			2026	$70,300	1	$6,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Third Floor Mechanical Room								
Explanation : 250 Kilovolt-ampere, 480 Volts								
Batteries								
Lead/Acid	100%			2023	$1,600	5	$600	
Fuel Storage								
Day Tank	50%			2038	* *	5	$1,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Third Floor Mechanical Room								
Explanation : 50 Gallons								
Main Tank	50%			2045	* *	5	$200	
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.
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FIRE DEPARTMENT - 057

ENGINE CO. 4/ LADDER CO. 15 (COMBINED FACILITY) HIGH RISE

Asset # : 13003

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	10%			2035	* *	10	$1,400	
Motion Sensors in Use, Extent : Light, Area Affected : 70%								
Location : Throughout								
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
LED	90%			2035	* *			
Egress Lighting								
Emergency, Service	50%			2030	$4,100	1		
Exit, Service	50%			2030	$900	1		
Exterior Lighting								
HID	10%			2030	$6,400	10		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Perimeter								
Explanation : Controlled Via Photocell								
No Component	90%							
Alarm								
Fire/Smoke Detection								
No Component	93%							
Generic, Analog	7%	Now	$12,200	2040	* *	1-3	$600	
Devices Missing, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Local/Battery Operated Detect, Extent : Light, Area Affected : 100%								
Location : Throughout								

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								
Electricity	2%			2050	* *	1		
Natural Gas	98%			2040	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2035	* *	1	$7,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 3rd Floor								
Explanation : Direct Vent Boiler								
Distribution								
Hot Wtr Piping/Pump	100%			2038	* *	4	$1,200	
Terminal Devices								
Convector/Radiator	40%			2035	* *	1	$2,000	
Fan Coil Unit/Heat	60%	Now	$7,100	2030	$141,500	1	$2,700	
Malfunctioning, Extent : Severe, Area Affected : 30%								
Location : Controls For 1st Floor Units								
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. 4/ LADDER CO. 15 (COMBINED FACILITY) HIGH RISE

Asset # : 13003

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								
Interior Pkg Unit - Cooling	50%			2028	$294,400	2	$500	
Split Unit	25%			2030	$84,000			
Window/Wall Unit	25%	Now	$8,200	2030	$8,200	1		
Broken, Extent : Severe, Area Affected : 30%								
Location : 2nd Floor								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2	$20,500	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$8,800	
Exhaust Fans								
Interior	100%			2030	$56,000	2	$500	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	* *	1		
Water Heater								
Gas Fired	100%			2025	$9,600	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 3rd Floor								
Explanation : Indirect Fired From Boiler, One 120 Gallon Unit								
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	$300	1-3		
Other Observation, Extent : Light, Area Affected : 5%								
Location : Kitchen								
Explanation : Kitchen Hood								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **23-Jan-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Floors 1,2,3**		
Block	: **1137** **Lot** : **7501**	**BIN**	: **1077844**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Interior Architecture		$39,900
Electrical		$91,300
Mechanical		$150,100
Total		**$281,300**
Importance Code B		$281,300
Total		**$281,300**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$2,000			$200
Interior Architecture	$8,600	$400	$1,100	$1,400
Electrical		$100	$58,200	
Mechanical	$7,500	$1,800	$5,200	$1,400
Total	**$18,200**	**$2,300**	**$64,500**	**$2,900**
Importance Code A	$2,000	$200		$200
Importance Code B	$14,300	$2,100	$64,500	$2,800
Importance Code C	$1,900			
Total	**$18,200**	**$2,300**	**$64,500**	**$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.*

FIRE DEPARTMENT - 057
ENGINE CO. 40/ LADDER CO. 35
Asset # : 13028

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: Limestone	60%			LIFE	* *	5	$3,900	
Metal Sect. OHD	15%			2042	* *	5	$4,000	
Granite Panels	25%			LIFE	* *	5	$1,600	
Windows								
Aluminum	100%			2045	* *	5	$400	
Soffits								
Masonry: Limestone	100%			LIFE	* *	5		
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	* *	5	$14,400	
Paint Peeling, Extent : Light, Area Affected : 5%								
Location : Basement								
Ceramic Tile	6%			2038	* *	5	$900	
Panel/Paver: Cer/Brk	5%			2045	* *	5	$1,600	
Quarry Tile	4%	Now	$1,800	2042	* *	5	$400	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Kitchen								
Sheet Vinyl/Rubber	10%			2034	* *	5	$2,200	
Vinyl Tile	30%	Now	$2,000	2029	$39,900	3	$1,600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Kitchen								
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Kitchen								
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : Kitchen								
Interior Walls								
Cast in Place Concrete	10%			LIFE	* *			
Paint Peeling, Extent : Severe, Area Affected : 5%								
Location : Cellar								
Ceramic Tile	50%	Now	$1,800	2032	* *	5	$1,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Kitchen								
Concrete Masonry Unit	10%			LIFE	* *	5	$200	
Gypsum Board	20%	0-2	$100	LIFE	* *	5	$700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Basement, Gymnasium, Mechanical Room								
Plaster	10%			LIFE	* *	5	$200	
Ceilings								
AcousTileSusp.Lay-In	40%			2042	* *	5	$5,900	
Staining/Discoloring, Extent : Moderate, Area Affected : 2%								
Location : Third Floor Gymnasium								
Exposed Concrete	30%			LIFE	* *	5	$700	
Exposed Struc: Steel	20%			LIFE	* *			
Gypsum Board	10%			LIFE	* *	5	$1,800	
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. 40/ LADDER CO. 35
Asset # : 13028

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 Enclosure								
Free Standing Walls								
Masonry: Brick	100%			2049	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front								
Explanation : Planter								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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%			2029	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	$52,200	5	$200	
Raceway								
Conduit	100%			2029	$33,500	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	95%			2028	$39,100	5	$200	
Wiring								
Thermoplastic	100%			2029	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
Fluorescent	98%			2024	$20,000	10	$6,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Incandescent	2%			2024	$1,000	2		
Egress Lighting								
Emergency, Service	60%			2024	$2,200	1		
No Component	40%							
Exterior Lighting								
HID	100%			2024	$28,500	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.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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								
Electricity	100%			2055	* *	1		
Conversion Equipment								
Pres. Reducing Valve/LP Steam	100%			2038	* *	5	$400	
Distribution								
Central Plant Steam Piping/Pmp	100%	Now	$6,000	2049	* *	4	$300	
Steam Traps Faulty, Extent : Moderate, Area Affected : 5% Location : Basement								
Terminal Devices								
Air Handler	100%			2034	* *	1	$4,400	
Air Conditioning								
Energy Source								
Electricity	100%			2051	* *	1		
Conversion Equipment								
Int Pkg Unit - Heating/Cooling	100%			2030	$150,100	2	$400	
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2	$9,200	
Terminal Devices								
Air Handler/Cool/Ht	100%			2034	* *	1	$4,400	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$3,900	
Exhaust Fans								
Interior	100%			2037	* *	2	$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2055	* *	1		
Water Heater								
Electric	100%			2028	$6,200	4		
HW Heat Exchanger								
Steam Fired	100%			2055	* *	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	2024	$200	4	$200	
Broken, Extent : Severe, Area Affected : 100% Location : Basement								
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. 40/ LADDER CO. 35
Asset # : 13028

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								
Standpipe								
Generic	100%			2049	* *	1-5	$3,700	
Sprinkler								
No Component	25%							
Generic	75%			2049	* *	1-2	$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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$315,900	
Interior Architecture	$153,300	
Total	**$469,200**	
Importance Code A	$315,900	
Importance Code B	$153,300	
Total	**$469,200**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$64,100			
Interior Architecture	$38,800		$400	$500
Electrical	$100		$100	
Mechanical	$4,200	$1,100	$1,100	$1,100
Site Enclosure	$2,200			
Site Pavements	$7,200			
Total	**$116,700**	**$1,100**	**$1,500**	**$1,600**
Importance Code A	$64,900	$800	$800	$800
Importance Code B	$36,400	$300	$700	$700
Importance Code C	$15,300			$200
Total	**$116,700**	**$1,100**	**$1,500**	**$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. 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	$48,100	LIFE	* *	5	$14,900	
Cracking/Crumbling, Extent : Severe, Area Affected : 15%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 50%								
Location : Hose Tower								
Repointing Failure, Extent : Moderate, Area Affected : 25%								
Location : North Facade, South Facade								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Basement Foundation Wall, 2nd Floor								
Masonry: Granite	5%	Now	$2,700	LIFE	* *	5	$800	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : Building Base								
Masonry: Limestone	10%	Now	$12,400	LIFE	* *	5	$1,600	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : East Facade								
Staining/Discoloring, Extent : Moderate, Area Affected : 10%								
Location : Front Facade								
Wood Overhead Doors	15%	0-2	$10,800	2036	* *	5	$8,000	
Other Observation, Extent : Severe, Area Affected : 50%								
Location : Apparatus Doors								
Explanation : Wood Sections Has Gaps At Base. Door Constantly Breaks Down								
Windows								
Aluminum	100%	Now	$23,800	2056	* *	5	$300	
Bent/Warped Elements, Extent : Severe, Area Affected : 70%								
Location : Throughout								
Unit Inoperable, Extent : Severe, Area Affected : 70%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5-10	$5,400	
Masonry: Brick	90%	2-4	$10,500	LIFE	* *	5	$1,700	
Expansion Joint Failure, Extent : Moderate, Area Affected : 10%								
Location : Corner At Front Of 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
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								
Roof								
Modified Bitumen	97%	Now	$200,300	2041	* *			1
Alligatoring, Extent : Severe, Area Affected : 80%								
Location : Throughout								
Miss/Damaged Flashings, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Third Floor At Bulkhead								
Other Observation, Extent : Severe, Area Affected : 5%								
Location : Main Roof Near Stair Bulkhead								
Explanation : Trapped Water Under Roof Membrane								
Skylight, Metal/Glass	3%	Now	$67,500	2061	* *			1
Broken/Missing Elements, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Corrosion/Rusting, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Interior								
Floors								
Cast in Place Concrete	85%	Now	$5,700	LIFE	* *	5	$22,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Room And Second Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Area								
Ceramic Tile	5%			2040	* *	5	$600	
Quarry Tile	5%	4+	$1,900	2036	* *	5	$500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Kitchen								
Worn/Eroded, Extent : Severe, Area Affected : 50%								
Location : Kitchen								
Vinyl Tile 9" X 9"	5%	Now	$7,100	2041	* *	3	$200	
Cracking/Crumbling, Extent : Severe, Area Affected : 60%								
Location : 2nd Floor Office And Bunker Rooms								
Worn/Eroded, Extent : Severe, Area Affected : 100%								
Location : 2nd Floor Office And Bunker Rooms								
Interior Walls								
Ceramic Tile	5%			2040	* *	5	$300	
Gypsum Board	10%			LIFE	* *	5-10	$1,100	
Masonry: Brick	20%			LIFE	* *	10	$400	
Plaster	20%	0-2	$2,200	LIFE	* *	5	$400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Various Locations Due To Water Infiltration								
SGFT/Glazed Masonry	40%			LIFE	* *	10	$1,300	
Wood	5%			LIFE	* *	5	$2,600	

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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
Interior								
Ceilings								
AcousTileSusp.Lay-In	5%			2044	* *	5	$800	
Exposed Concrete	20%			LIFE	* *	5-10	$3,800	
Exposed Struc: Steel	15%	Now	$153,300	LIFE	* *			
Corrosion/Rusting, Extent : Severe, Area Affected : 20%								
Location : Basement Areas At Metal Deck And Support Steel								
Gypsum Board	5%	Now	$3,300	LIFE	* *	5	$900	
Water Penetration, Extent : Moderate, Area Affected : 30%								
Location : 2nd Floor Rear Of Building								
Plaster	55%	0-2	$11,700	LIFE	* *	5	$5,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Various Locations At Water Penetration								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	* *			
Free Standing Walls								
Concrete Masonry Unit	100%	0-2	$2,200	2051	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : North Wall In Rear Yard								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	2-4	$7,200	2044	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : South Side Walkway								

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%			2041	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Ampere Main Disconnect Switch								
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	$200	

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. 42/ LADDER CO. 56
Asset # : 13030

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	95%			2036	* *	10	$7,000	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Incandescent	5%			2031	$2,800	2		
Exterior Lighting								
HID	20%			2031	$6,500	10		
Incandescent	10%			2031	$2,800	2		
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								
Energy Source								
Natural Gas	100%			2051	* *	1		
Conversion Equipment								
Steam Boiler	100%			2044	* *	1	$8,000	
Distribution								
Steam Piping/Pump	100%			2041	* *			
Terminal Devices								
Convector/Radiator	100%	0-2	$2,200	2036	* *	1	$2,300	
Leak Evident, Extent : Moderate, Area Affected : 5%								
Location : 4th Floor. Radiator At Bunk Bed Office Area								
Air Conditioning								
Energy Source								
Electricity	100%			2047	* *	1		
Conversion Equipment								
Window/Wall Unit	75%	0-2	$1,300	2026	$12,600	1		
Malfunctioning, Extent : Moderate, Area Affected : 30%								
Location : Various. 30 Percent Of The Window Unit Not Working								
No Component	25%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
No Water Meter, Extent : Light, Area Affected : 100%								
Location : Basement								
Water Heater								
Gas Fired	100%			2029	$4,900	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 75 Gallon Unit								
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		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Boiler Only								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$137,900	
Total	**$137,900**	
Importance Code A	$137,900	
Total	**$137,900**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$20,400			
Interior Architecture	$94,300		$100	$700
Electrical	$400	$200	$400	$200
Mechanical	$12,700	$1,100	$2,200	$1,300
Site Enclosure	$300			
Total	**$128,100**	**$1,400**	**$2,600**	**$2,300**
Importance Code A	$21,200	$800	$800	$800
Importance Code B	$95,200	$600	$1,900	$1,400
Importance Code C	$11,700			$100
Total	**$128,100**	**$1,400**	**$2,600**	**$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. 43/ LADDER CO. 59
Asset # : 13031

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								
Alum/Vinyl Siding	10%	Now	$3,500	2041	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 2%								
Location : South Elevation At Shed Addition								
Masonry: Brick	80%	4+	$50,700	LIFE	* *	5	$15,700	
Painted Surfaces, Extent : Moderate, Area Affected : 25%								
Location : North Facade								
Punct/Tear/Impact Damage, Extent : Light, Area Affected : 3%								
Location : South Wall At Driveway Has Vehicular Impact Damage								
Staining/Discoloring, Extent : Moderate, Area Affected : 1%								
Location : North Wall At Grease Exhaust, Observed Grease Stains On Brick								
Vegetation Growth, Extent : Moderate, Area Affected : 10%								
Location : North Facade								
Vertical Cracks, Extent : Light, Area Affected : 2%								
Location : Side Elevation Next To Park								
Masonry: Granite	1%			LIFE	* *	5	$300	
Masonry: Limestone	5%			LIFE	* *	5	$1,500	
Metal Sect. OHD	4%			2036	* *	5	$2,500	
Windows								
Aluminum	98%	Now	$8,600	2047	* *	5	$200	
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Wood	2%			2047	* *	5	$100	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5-10	$3,600	
Masonry: Brick	90%	0-2	$3,500	LIFE	* *	5	$1,100	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : North Parapet Wall Exhibits Cracking								
Roof								
Modified Bitumen	78%	Now	$87,200	2041	* *			
Blisters, Extent : Severe, Area Affected : 25%								
Location : Roof								
Miss/Damaged Flashings, Extent : Severe, Area Affected : 5%								
Location : Roof Front Wall								
Roll Roofing	20%			2027	$6,800	5	$2,600	
Skylight, Metal/Glass	2%			2051	* *	10	$500	
Interior								

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*** 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		
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	$14,300	
Ceramic Tile	3%			2040	* *	5	$300	
Ceramic Tile	2%	Now	$4,500	2046	* *	5	$100	
Water Penetration, Extent : Severe, Area Affected : 100%								
Location : 2nd Floor Shower Room, Engine Office								
Quarry Tile	20%	Now	$26,800	2044	* *	5	$1,600	
Broken/Missing Elements, Extent : Severe, Area Affected : 20%								
Location : Kitchen, Pantry								
Worn/Eroded, Extent : Severe, Area Affected : 40%								
Location : Kitchen, Pantry								
Vinyl Tile	5%			2036	* *	3	$200	
Vinyl Tile	30%	Now	$29,800	2041	* *	3	$1,200	
Cracking/Crumbling, Extent : Severe, Area Affected : 15%								
Location : 2nd Floor								
Worn/Eroded, Extent : Severe, Area Affected : 100%								
Location : 2nd Floor								
Wood	10%			2046	* *	5	$2,000	
Interior Walls								
Ceramic Tile	5%			2040	* *	5	$300	
Concrete Masonry Unit	5%			LIFE	* *	5	$200	
Gypsum Board	10%			LIFE	* *	5-10	$1,000	
Masonry: Brick	2%			LIFE	* *	10		
Plaster	40%	Now	$2,000	LIFE	* *	5	$700	
Cracking/Crumbling, Extent : Severe, Area Affected : 15%								
Location : Engine Office At Window								
Plywood/Hardboard	3%			LIFE	* *	10		
SGFT/Glazed Masonry	35%	0-2	$8,500	LIFE	* *			
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : At Stair/ Missing Elements								
Ceilings								
AcousTileSusp.Lay-In	30%			2036	* *	5	$3,300	
Embossed Metal	50%	Now	$10,300	LIFE	* *	5	$2,500	
Broken/Missing Elements, Extent : Severe, Area Affected : 15%								
Location : Apparatus Room Front								
Deformed/Dented, Extent : Severe, Area Affected : 5%								
Location : 1st And 2nd Floors								
Exposed Struc: Steel	20%			LIFE	* *	10	$4,400	
Site Enclosure								
Fence/Gates								
Chain Link	100%	4+	$300	2051	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%								
Location : Side Yard Walkway								
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		
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%			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%			2041	* *	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%			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	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	* *	1	$2,500	
Lighting								
Interior Lighting								
LED	100%			2036	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : LED Light Fixtures								
Exterior Lighting								
HID	25%			2031	$8,000	10		
Incandescent	5%			2026	$400	2		
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								

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FIRE DEPARTMENT - 057
ENGINE CO. 43/ LADDER CO. 59
Asset # : 13031

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								
Electricity	1%			2051	* *	1		
Natural Gas	99%			2051	* *	1		
Conversion Equipment								
Radiant Heater	1%			2036	* *	2		
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Electric Unit Heater								
Steam Boiler	99%			2044	* *	1	$7,800	
Damaged, Extent : Light, Area Affected : 50%								
Location : Rusted And Damaged Window Louvers In Boiler Room								
Other Observation, Extent : Moderate, Area Affected : 99%								
Location : Basement								
Explanation : 2 Units Gas Fired Boilers								
Distribution								
Central Plant Steam Piping/Pmp	100%			2041	* *	4	$400	
Terminal Devices								
Convector/Radiator	100%			2036	* *	1	$2,600	
Air Conditioning								
Energy Source								
Electricity	100%			2047	* *	1		
Conversion Equipment								
Interior Pkg Unit - Cooling	20%			2032	* *	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Serves Sitting Room And Racquetball Court								
Split Unit	10%	0-2	$8,500	2031	$17,000			
Not in Service, Extent : Light, Area Affected : 50%								
Location : Defective Unit								
Window/Wall Unit	50%			2026	$8,300	1		
No Component	20%							
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2	$2,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Sitting And Members Rooms								
No Component	80%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2031	$12,100	1	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Members Room								
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		
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	$7,000	
Exhaust Fans								
Interior	90%			2031	$25,500	2	$200	
Other Observation, Extent : Light, Area Affected : 50%								
Location : Apparaus Room								
Explanation : On Extended Life								
Roof	10%			2036	* *	2		
Other Observation, Extent : Light, Area Affected : 25%								
Location : Lower Level Roof								
Explanation : 1 Exhaust Fan And 1 Split Unit On Lower Level Roof								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Antiquated, Extent : Light, Area Affected : 100%								
Location : Basement								
No Water Meter, Extent : Light, Area Affected : 100%								
Location : Basement								
Water Heater								
Gas Fired	100%			2029	$4,900	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Other Observation, Extent : Moderate, Area Affected : 15%								
Location : 1st Floor								
Explanation : Engine Office Bathroom Is Leaking								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Backflow Preventer								
No Component	95%							
Generic	5%			2036	* *	1		
Fixtures								
Generic	100%							
Other Observation, Extent : Light, Area Affected : 65%								
Location : Various Location								
Explanation : 2 Broken Sinks, 1 Broken Urinal								
1 Low Water Pressure								
2/3 Of Mens Bathroom In Need Of Repair								

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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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Electrical		$41,700
Total		**$41,700**
Importance Code B		$41,700
Total		**$41,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$10,400	$300		$13,300
Interior Architecture	$9,700	$600	$800	
Electrical	$400	$500	$400	$16,200
Mechanical	$17,400	$11,000	$1,000	$600
Site Pavements	$500			
Total	**$38,500**	**$12,300**	**$2,300**	**$30,200**
Importance Code A	$10,700	$600	$300	$13,700
Importance Code B	$27,800	$11,800	$1,700	$16,500
Importance Code C			$200	
Total	**$38,500**	**$12,300**	**$2,300**	**$30,200**



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. 44
Asset # : 13032

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%	2-4	$9,400	LIFE	* *	5	$14,600	
Efflorescence, Extent : Moderate, Area Affected : 5%								
Location : Front Facade								
Vertical Cracks, Extent : Moderate, Area Affected : 2%								
Location : West Facade By Front Entrance								
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	
Efflorescence, Extent : Light, Area Affected : 15%								
Location : Various Areas On All Elevations								
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+	$1,000	2040	* *			
Air Infiltration, Extent : Moderate, Area Affected : 50%								
Location : Lower Roof								
Corrosion/Rusting, Extent : Light, Area Affected : 10%								
Location : Main Roof								
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	$25,000	3	$1,000	
Wood	30%	4+	$9,700	2045	* *	5	$2,600	
Deteriorated Finish, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
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 Concrete	20%			LIFE	* *	5	$300	
Exposed Struc: Wood	5%			LIFE	* *			
Gypsum Board	1%			LIFE	* *	5	$100	
Plaster	1%			LIFE	* *	5	$100	
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. 44
Asset # : 13032

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								
Public Sidewalk								
Cast in Place Concrete	100%	0-2	$500	2035	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Adjacent To Driveway Apron								
Parking/Driveway								
Cast in Place Concrete	100%			2043	* *			

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	90%			2040	* *	5		
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		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : Feeds Hot Water Heater								
Switchgear / Switchboard								
Fused Disc Sw	80%			2030	$41,700	5		
Molded Case Bkrs	20%			2030	$10,400	5		
Raceway								
Conduit	25%			2050	* *	1		
Conduit	75%			2040	* *	1		
Panelboards								
Molded Case Bkrs	75%			2038	* *	5	$100	
Molded Case Bkrs	25%			2046	* *	5		
Wiring								
Thermoplastic	100%			2040	* *	1		
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 : Basement								
Explanation : 41 Watts								
Batteries								
Nickel Cadmium	100%			2025	$1,600	5	$1,400	

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FIRE DEPARTMENT - 057
ENGINE CO. 44
Asset # : 13032

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
Stand-by Power								
Fuel Storage								
Day Tank	100%			2046	* *	5	$1,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 26 Gallons								
Lighting								
Interior Lighting								
Fluorescent	98%			2030	$17,700	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	$900	2		
Egress Lighting								
Emergency, Service	50%			2035	* *	1		
Exit, Service	50%			2035	* *	1		
Exterior Lighting								
HID	50%			2025	$12,600	10		
No Component	50%							

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%			2050	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2047	* *	1	$3,100	
Distribution								
Hot Wtr Piping/Pump	100%			2052	* *	4	$300	
Terminal Devices								
Convector/Radiator	100%	Now	$1,700	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	$13,300	2030	$26,700			
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%			2023	$10,400	1		

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

FIRE DEPARTMENT - 057
ENGINE CO. 44
Asset # : 13032

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								
Roof	100%	Now	$2,100	2035	* *	2	$200	
Other Observation, Extent : Severe, Area Affected : 30%								
Location : 1st Floor								
Explanation : Undersized								
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2043	* *	1		
Water Heater								
Gas Fired	100%			2029	$3,800	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2024	$200	4	$100	
Backflow Preventer								
Generic	100%			2035	* *	1	$400	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	98%							
Generic	2%			2028	$600	1-3	$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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$310,700	
Electrical		$39,100
Mechanical		$98,600
Total	**$310,700**	**$137,700**
Importance Code A	$310,700	
Importance Code B		$137,700
Total	**$310,700**	**$137,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$25,900			
Interior Architecture	$67,000		$1,500	$600
Electrical				$100
Mechanical	$30,500	$1,200	$17,700	$1,200
Site Pavements	$7,600			
Total	**$131,000**	**$1,200**	**$19,300**	**$1,900**
Importance Code A	$25,900			
Importance Code B	$99,800	$1,200	$18,800	$1,900
Importance Code C	$5,300		$400	
Total	**$131,000**	**$1,200**	**$19,300**	**$1,900**



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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		
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	$124,500	LIFE	* *	5	$12,900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Side Elevation Near Side Door								
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 15%								
Location : Throughout								
Misaligned/Bulging, Extent : Severe, Area Affected : 15%								
Location : Over Front Entrance								
Other Observation, Extent : Severe, Area Affected : 10%								
Location : Front Facade								
Explanation : Netting To Prevent Falling Brick Up For More Than 5 Years								
Metal Sect. OHD	10%			2036	* *	5	$5,800	
Pre-Cast Concrete	20%	4+	$13,000	LIFE	* *	5	$12,000	
Staining/Discoloring, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Windows								
Aluminum	100%	2-4	$2,100	2039	* *	5	$200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%								
Location : 2nd Floor								
Parapets								
Cast Stone/Terra Cotta	15%	Now	$300	LIFE	* *	5	$800	
Cracking/Crumbling, Extent : Severe, Area Affected : 2%								
Location : High Roof								
Vertical Cracks, Extent : Moderate, Area Affected : 5%								
Location : Throughout Parapet								
Masonry: Brick	85%	0-2	$10,600	LIFE	* *	5	$600	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 15%								
Location : Throughout Parapet								
Misaligned/Bulging, Extent : Moderate, Area Affected : 50%								
Location : Main Roof And Mechanical Bulkhead								
Miss/Damaged Copings, Extent : Severe, Area Affected : 15%								
Location : Main Roof At Front Of Building								
Roof								
Modified Bitumen	100%	Now	$186,200	2041	* *			
Alligatoring, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Blisters, Extent : Severe, Area Affected : 10%								
Location : Main Roof								
Soffits								
Metal Panel	50%			2051	* *	5-10		
Stucco Cement	50%			2036	* *	5		
Interior								

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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		
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	$25,700	
Ceramic Tile	15%			2034	* *	5	$2,200	
Terrazzo	10%			LIFE	* *	5	$2,300	
Vinyl Tile	15%	0-2	$1,000	2036	* *	3	$800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor								
Vinyl Tile 9" X 9"	20%	Now	$34,500	2041	* *	3	$1,100	
Broken/Missing Elements, Extent : Severe, Area Affected : 50%								
Location : 2nd Floor And Penthouse, Bunker Rooms								
Interior Walls								
Ceramic Tile	10%			2034	* *	5	$900	
Concrete Masonry Unit	20%			LIFE	* *	5	$1,400	
Gypsum Board	10%			LIFE	* *	5-10	$1,500	
Plaster	33%	Now	$2,500	LIFE	* *	5	$900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Walls Adjacent To Steam Room, Sauna And Weight Room, 2nd Floor								
Plywood/Hardboard	2%			LIFE	* *	10		
SGFT/Glazed Masonry	25%			LIFE	* *	10	$1,100	
Ceilings								
AcousTileSusp.Lay-In	30%	0-2	$1,800	2036	* *	5	$2,100	
Staining/Discoloring, Extent : Light, Area Affected : 10%								
Location : 2nd Floor Ceiling Below Roof								
Worn/Eroded, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Exposed Concrete	35%			LIFE	* *	5-10	$6,000	
Plaster	35%			LIFE	* *	5-10	$8,200	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	$7,600	2044	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Fire Truck Entry Ramp To Apparatus Area								

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								
Raceway								
Conduit	100%			2031	$33,500	1		
Panelboards								
Fused Disc Sw	5%			2030	$2,100	5		
Molded Case Bkrs	95%			2030	$39,100	5	$200	
Wiring								
Thermoplastic	100%			2031	$29,600	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

ENGINE CO. 46/ LADDER CO. 27 COMBINED FACILITY/ 48TH PCT.

Asset # : 13034

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								
Motor Controllers								
Locally Mounted	70%			2029	$10,800	5		
Variable Frequency Drive	30%			2044	* *			
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
Fluorescent	10%			2036	* *	10	$800	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Mechanical Room Penthouse								
LED	90%			2036	* *			
Exterior Lighting								
HID	30%			2026	$10,600	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								
Energy Source								
Natural Gas	100%			2051	* *	1		
Conversion Equipment								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Throughout								
Explanation : Served By Adjacent NYPD Building								
Distribution								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Throughout								
Explanation : Served By Adjacent NYPD Building								
Terminal Devices								
Convector/Radiator	50%	Now	$1,200	2044	* *	1	$1,300	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Explanation : Comfort Control Issues								
Unit Heater - Steam	50%			2036	* *	4	$400	
Other Observation, Extent : Light, Area Affected : 50%								
Location : 1st Floor And Penthouse								
Explanation : Unit Heaters On Apparatus Floor And Penthouse								
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		
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	50%	Now	$5,000	2040	* *	1	$4,300	
Malfunctioning, Extent : Moderate, Area Affected : 60%								
Location : 2nd Floor. Ineffective Cooling Operaton During Summer Season.								
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : Roof								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Roof								
Explanation : Units Serviced And Controlled By Adjacent NYPD Building								
Split Unit	10%			2036	* *			
Window/Wall Unit	40%			2024	$7,300	1		
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Explanation : Window Units Required Due To Ineffective Cooling From Units In The Adjacent NYPD Building								
Distribution								
Ductwork/Diffusers	100%	Now	$4,700	LIFE	* *	2	$11,400	
Other Observation, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Explanation : Many Diffusers Covered Over And Damaged								
Terminal Devices								
Air Handler/Cool/Ht	100%	Now	$9,900	2031	$98,600	1	$4,900	
Other Observation, Extent : Severe, Area Affected : 20%								
Location : Penthouse On Roof								
Explanation : Air Handlers Serviced And Controlled By Adjacent NYPD Building/ Comfort Control Issues								
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$7,800	
Exhaust Fans								
Interior	10%	Now	$3,100	2041	* *	2		
Broken, Extent : Severe, Area Affected : 100%								
Location : Ceiling Of The 2nd Floor								
Interior	40%			2036	* *	2	$100	
Roof	50%			2036	* *	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : Old Fan Abandoned In Place								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2024	$5,400	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Police Precinct Next Door								
Explanation : Two 75 Gallon Water Heaters								

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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		
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%	Now	$3,700	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 40%								
Location : 1st Floor Drain								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	10%			2029	$2,800	1-3	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : System								
No Component	90%							

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **24-Jan-2018**	**Landmark Status**	: **EXTERIOR LANDMARK**
Areas Surveyed	: **Basement, Roof, Floors 1,2,3,4**		
Block	: **1884** **Lot** : **39**	**BIN**	: **1057000**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$81,600
Electrical		$55,500
Total		**$137,100**
Importance Code A		$81,600
Importance Code B		$55,500
Total		**$137,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$100,500		$600	
Interior Architecture	$34,600		$800	$1,000
Electrical			$29,500	
Mechanical	$700	$900	$9,000	$800
Site Pavements	$1,300			
Total	**$137,100**	**$900**	**$39,900**	**$1,800**
Importance Code A	$101,000	$500	$1,100	$500
Importance Code B	$19,200	$400	$38,700	$1,300
Importance Code C	$16,900			
Total	**$137,100**	**$900**	**$39,900**	**$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. 47
Asset # : 13035

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	$9,100	
Masonry: Brick	80%	Now	$32,700	LIFE	* *	5	$18,700	
Cracking/Crumbling, Extent : Light, Area Affected : 2%								
Location : East Side Of Building								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Water Penetration, Extent : Light, Area Affected : 10%								
Location : Throughout								
Masonry: Brownstone	10%	2-4	$20,600	LIFE	* *	5	$1,800	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%								
Location : Throughout								
Water Penetration, Extent : Light, Area Affected : 20%								
Location : Throughout								
Wood Overhead Doors	5%	Now	$900	2034	* *	5	$2,900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Glazing In Overhead Sectional Door Front Facade								
Windows								
Aluminum	100%	Now	$8,900	2037	* *	5	$300	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Unit Inoperable, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Parapets								
Masonry: Brick	45%			LIFE	* *	5	$300	
Masonry: Sandstone	10%	Now	$3,600	LIFE	* *	5	$100	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 100%								
Location : All Parapets								
Loose/Delam Surface, Extent : Severe, Area Affected : 50%								
Location : All Parapet Copings								
Metal Panel	45%			2039	* *	5	$1,200	
Roof								
Asphalt Shingle	10%	Now	$1,100	2032	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Built-Up (BUR)	90%	Now	$32,600	2029	$81,600			
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Other Observation, Extent : Moderate, Area Affected : 2%								
Location : Main Roof								
Explanation : Base Flashing Broken								

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FIRE DEPARTMENT - 057

ENGINE CO. 47

Asset # : 13035

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								
Soffits								
Masonry: Brownstone	100%			LIFE	* *	5		
Interior								
Floors								
Cast in Place Concrete	10%	2-4	$1,500	LIFE	* *	5	$2,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Ceramic Tile	5%			2032	* *	5	$600	
Mosaic Tile	2%			2034	* *	5	$600	
Quarry Tile	5%			2042	* *	5	$900	
Vinyl Tile	68%			2034	* *	3	$4,100	
Wood	10%	Now	$4,600	2044	* *	5	$1,100	
Uneven Surface, Extent : Moderate, Area Affected : 25%								
Location : 4th Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : 4th Floor								
Interior Walls								
Ceramic Tile	5%			2032	* *	5	$700	
Concrete Masonry Unit	5%			LIFE	* *	5	$300	
Gypsum Board	10%			LIFE	* *	5	$800	
Masonry: Brick	10%	Now	$12,100	LIFE	* *			
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	$2,200	LIFE	* *			
Corrosion/Rusting, Extent : Light, Area Affected : 50%								
Location : Throughout								
Plaster	60%	Now	$1,500	LIFE	* *	5	$2,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout, Gymnasium								
Ceilings								
AcousTileSusp.Lay-In	10%			2034	* *	5	$900	
Embossed Metal	90%	4+	$10,600	LIFE	* *	5	$3,700	
Bent/Warped Elements, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	$500	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
On-Site Walkways								
Cast in Place Concrete	100%	0-2	$400	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Throughout								

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FIRE DEPARTMENT - 057
ENGINE CO. 47
Asset # : 13035

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%	0-2	$400	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								

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%			2049	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Raceway								
Conduit	85%			2029	$30,900	1		
Conduit	15%			2049	* *	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,200	5		
Molded Case Bkrs	40%			2045	* *	5		$100
Molded Case Bkrs	55%			2028	$24,600	5		$100
Obsolete Equipment, Extent : Moderate, Area Affected : 50%								
Location : First Floor								
Wiring								
Thermoplastic	40%			2049	* *	1		
Thermoplastic	60%			2029	$19,300	1		
Motor Controllers								
Locally Mounted	100%			2027	$16,700	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5		$100
Lighting								
Interior Lighting								
Fluorescent	90%			2034	* *	10		$4,300
T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Fluorescent	10%			2024	$1,700	10		$500
T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Exterior Lighting								
HID	100%			2024	$23,000	10		

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

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		
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%			2055	* *	1		
Conversion Equipment								
Steam Boiler	100%			2046	* *	1	$5,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Unit								
Distribution								
Central Plant Steam Piping/Pmp	100%			2039	* *	4	$400	
Terminal Devices								
Convector/Radiator	90%			2034	* *	1	$1,500	
Unit Heater - Steam	10%			2029	$2,000	4		
Air Conditioning								
Energy Source								
Electricity	100%			2051	* *	1		
Conversion Equipment								
Window/Wall Unit	40%			2024	$4,700	1		
No Component	60%							
Ventilation								
Exhaust Fans								
Interior	100%			2029	$20,300	2	$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	* *	1		
Water Heater								
Gas Fired	100%			2024	$3,500	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 74 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	10%			2027	$3,000	1-3	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Ansul-102								
No Component	80%							
Generic	10%			2027	$3,000	1-3	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Fire Extinguishers								

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FIRE DEPARTMENT - 057
ENGINE CO. 47
Asset # : 13035

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$226,400	
Interior Architecture	$50,000	
Electrical		$149,200
Mechanical		$6,400
Total	**$276,400**	**$155,700**
Importance Code A	$226,400	
Importance Code B	$50,000	$155,700
Total	**$276,400**	**$155,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$40,900		$300	
Interior Architecture	$39,400		$1,300	$700
Electrical	$12,800	$800	$900	$1,400
Mechanical	$13,500	$1,400	$2,500	$1,700
Site Pavements	$2,000			
Total	**$108,700**	**$2,100**	**$5,000**	**$3,800**
Importance Code A	$41,500	$600	$900	$600
Importance Code B	$50,300	$1,600	$4,100	$3,300
Importance Code C	$16,900			
Total	**$108,700**	**$2,100**	**$5,000**	**$3,800**



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FIRE DEPARTMENT - 057

ENGINE CO. 48 DIVISION 7 COMMAND CENTER

Asset # : 13036

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	10%	0-2	$11,700	LIFE	* *	5	$9,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Facade								
Exposed Reinforcement, Extent : Severe, Area Affected : 5%								
Location : Various Locations								
Masonry: Brick	75%	4+	$23,400	LIFE	* *	5	$14,500	
Efflorescence, Extent : Moderate, Area Affected : 15%								
Location : Lower Story								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Throughout Facade								
Metal Panel	5%	0-2	$700	2041	* *	5	$1,800	
Corrosion/Rusting, Extent : Moderate, Area Affected : 15%								
Location : Street Facade								
Loose/Miss Fasteners, Extent : Moderate, Area Affected : 15%								
Location : Street Facade								
Metal Sect. OHD	10%			2036	* *	5	$6,100	
Windows								
Aluminum	97%			2047	* *	5	$1,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Facade								
Explanation : Replacement Windows In 2017								
Metal Louvers	3%			2034	* *	10	$300	
Parapets								
Masonry: Brick	90%	4+	$4,300	LIFE	* *	5	$1,400	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%								
Location : Parapet Walls								
Metal Panel	10%			2051	* *	5	$600	
Roof								
Modified Bitumen	100%	Now	$226,400	2041	* *			1
Blisters, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Drains Inad/Misposn, Extent : Severe, Area Affected : 20%								
Location : Main Roof								
Ponding, Extent : Severe, Area Affected : 25%								
Location : Main Roof								
Seams Open/Split, Extent : Severe, Area Affected : 25%								
Location : Throughout								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : 2nd Floor Bunker Room								
Interior								

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FIRE DEPARTMENT - 057

ENGINE CO. 48 DIVISION 7 COMMAND CENTER

Asset # : 13036

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	45%	Now	$50,000	LIFE	* *	5	$16,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Floor, Gymnasium, Kitchen								
Paint Peeling, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Floor, Gymnasium, Kitchen Backup From Storm Drain								
Worn/Eroded, Extent : Moderate, Area Affected : 30%								
Location : Apparatus Floor, Gymnasium, Kitchen								
Ceramic Tile	5%			2040	* *	5	$800	
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : First Floor Bathroom								
Other Observation, Extent : Severe, Area Affected : 2%								
Location : 1st Floor Bathroom								
Explanation : Raw Sewage								
Ceramic Tile	5%	Now	$5,200	2044	* *	5	$400	
Other Observation, Extent : Moderate, Area Affected : 40%								
Location : 2nd Floor Bathrooms Have Improper Install, No Vent								
Explanation : Mold								
Quarry Tile	10%			2044	* *	5	$2,500	
Sheet Vinyl/Rubber	20%			2036	* *	5	$5,000	
Vinyl Tile	15%	2-4	$2,300	2036	* *	3	$900	
Worn/Eroded, Extent : Light, Area Affected : 50%								
Location : Second Floor Corridor, Stair, Bunk Room, Locker Room								
Interior Walls								
Ceramic Tile	5%	Now	$1,700	2040	* *	5	$600	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : First Floor Bathroom								
Ceramic Tile	5%	Now	$3,400	2044	* *	5	$600	
Other Observation, Extent : Moderate, Area Affected : 25%								
Location : Second Floor Bathrooms Have Improper Install								
Explanation : Mold								
Concrete Masonry Unit	30%			LIFE	* *	5	$5,500	
Gypsum Board	20%	Now	$2,500	LIFE	* *	5	$2,800	
Paint Peeling, Extent : Moderate, Area Affected : 15%								
Location : 2nd Floor Room								
SGFT/Glazed Masonry	40%			LIFE	* *	10	$4,600	
Ceilings								
AcousTileSusp.Lay-In	55%	Now	$7,900	2044	* *	5	$4,600	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Second Floor								
Exposed Concrete	40%			LIFE	* *	5-10	$8,300	
Gypsum Board	5%			LIFE	* *	5-10	$2,900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : At Roof Hatch On Second Floor								

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FIRE DEPARTMENT - 057
ENGINE CO. 48 DIVISION 7 COMMAND CENTER
Asset # : 13036

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 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	$2,000	2044	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Parking Area								

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								
Molded Case Bkrs	100%			2031	$5,200	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room 1st Floor								
Explanation : One 400 Amperes Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	$52,200	5	$300	
Raceway								
Conduit	70%			2031	$23,400	1		
Conduit	30%			2051	* *	1		
Panelboards								
Fused Disc Sw	5%			2030	$2,100	5		
Molded Case Bkrs	30%			2047	* *	5	$100	
Molded Case Bkrs	65%			2030	$26,800	5	$200	
Wiring								
Thermoplastic	70%			2031	$20,700	1		
Thermoplastic	30%			2051	* *	1		
Motor Controllers								
Locally Mounted	100%			2029	$15,400	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	$5,200	1	$3,500	

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FIRE DEPARTMENT - 057

ENGINE CO. 48 DIVISION 7 COMMAND CENTER

Asset # : 13036

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
Stand-by Power								
Generators								
Diesel	100%			2027	$70,300	1	$4,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room								
Explanation : One 17.5 Kilowatts								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$400	
Fuel Storage								
Day Tank	50%			2030	$400	5	$1,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room								
Explanation : One 30 Gallons								
Main Tank	50%			2034	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : One 250 Gallons								
Lighting								
Interior Lighting								
Fluorescent	70%			2036	* *	10	$7,300	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
LED	30%			2039	* *			
Egress Lighting								
Emergency, Battery	50%			2036	* *	10	$1,400	
Exit, LED	50%			2059	* *	1		
Exterior Lighting								
HID	10%			2026	$4,600	10		
LED	10%			2039	* *			
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%			2051	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2044	* *	1	$5,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Boiler Room.								
Explanation : 1 Unit, 1 Zone For Whole Building								
Distribution								
Hot Wtr Piping/Pump	100%	Now	$900	2039	* *	4	$600	
Malfunctioning, Extent : Moderate, Area Affected : 10%								
Location : Temperature Controler								

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FIRE DEPARTMENT - 057
ENGINE CO. 48 DIVISION 7 COMMAND CENTER
Asset # : 13036

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								
Convector/Radiator	60%	Now	$1,800	2036	* *	1	$2,000	
Damaged, Extent : Severe, Area Affected : 5%								
Location : 2nd Floor Tv Room								
Unit Heater - Steam	40%			2036	* *	4	$400	
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Split Unit	45%			2036	* *			
Other Observation, Extent : Light, Area Affected : 40%								
Location : Roof								
Explanation : 5 Units. R-410a								
Window/Wall Unit	15%			2026	$3,500	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	40%			2036	* *	1	$1,500	
Fan Coil - 2 Pipe	5%			2026	$6,400	1	$200	
No Component	55%							
Heat Rejection								
Dry Cooler	45%			2036	* *	2	$3,500	
No Component	55%							
Ventilation								
Distribution								
Ductwork/Diffusers	40%	Now	$4,200	LIFE	* *	2-5	$2,500	
Other Observation, Extent : Severe, Area Affected : 20%								
Location : 2nd Floor								
Explanation : Air Circulation Is Very Poor In 2nd Floor Specially The Stay Room.								
No Component	60%							
Exhaust Fans								
Roof	25%			2039	* *	2	$100	
Roof	25%	Now	$500	2031	$4,700	2	$100	
Not in Service, Extent : Severe, Area Affected : 10%								
Location : Roof, Defective Motor								
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2029	$6,900	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Explanation : Two 75 Gallon Units								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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	$4,100	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 10%								
Location : 1st Floor Operational Area								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor Apparatus Room								
Explanation : Occasional Sewer Backups								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
Leaking Faucets/Valves/Heads, Extent : Light, Area Affected : 20%								
Location : 2nd Floor Slop Sink, Faucets And Urinals Leaking								
Fire Suppression								
Sprinkler								
No Component	80%							
Generic	20%			2041	* *	1-2		$600
Other Observation, Extent : Light, Area Affected : 20%								
Location : 2nd Floor								
Explanation : Partial System Serves Command Center And Corridors								
Chemical System								
Generic	100%			2026	$27,900	1-3		$4,000
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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**

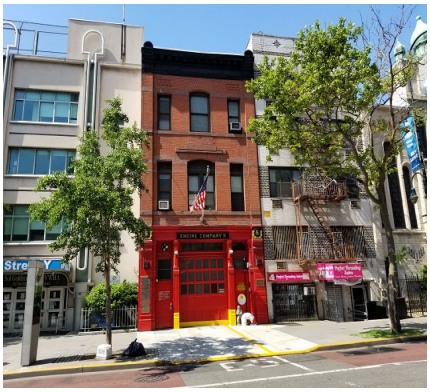
CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$48,800		$1,300	
Interior Architecture	$19,000		$4,100	$800
Electrical	$700	$800	$500	$400
Mechanical	$4,300	$900	$2,000	$1,200
Total	**$72,800**	**$1,700**	**$7,900**	**$2,400**
Importance Code A	$49,100	$300	$1,600	$300
Importance Code B	$9,800	$1,400	$6,300	$1,800
Importance Code C	$13,900			$400
Total	**$72,800**	**$1,700**	**$7,900**	**$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. 5
Asset # : 13004

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 Iron	3%			LIFE	* *	10	$8,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Lower Section Of Front Elevation								
Explanation : Painted Surface								
Masonry: Brick	95%			LIFE	* *	5	$49,800	
Wood Overhead Doors	2%			2044	* *	5	$2,600	
Windows								
Aluminum	100%	Now	$8,800	2047	* *	5	$300	
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 50%								
Location : 2nd Floor Bunk Room								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5-10	$2,700	
Masonry: Brick	80%			LIFE	* *	5-10	$5,300	
Metal Cornice	10%			2059	* *	10	$300	
Roof								
Modified Bitumen	100%			2036	* *	10	$6,600	
Interior								
Floors								
Cast in Place Concrete	20%			LIFE	* *	5	$7,400	
Ceramic Tile	10%			2040	* *	5	$800	
Terrazzo	5%			LIFE	* *	5	$700	
Vinyl Tile	25%			2036	* *	3	$800	
Wood	40%			2059	* *	5	$6,300	
Interior Walls								
Ceramic Tile	5%			2040	* *	5	$700	
Concrete Masonry Unit	30%			LIFE	* *	5	$3,500	
Gypsum Board	30%			LIFE	* *	5-10	$7,400	
Masonry: Brick	10%			LIFE	* *	10	$400	
Plaster	15%			LIFE	* *	5-10	$1,800	
Wood	10%			LIFE	* *	5	$11,500	
Ceilings								
AcousTileSusp.Lay-In	60%			2044	* *	5	$1,400	
Embossed Metal	20%			LIFE	* *	5	$400	
Exposed Struc: Steel	20%			LIFE	* *	10	$900	
Site Pavements								
Public Sidewalk								
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								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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%			2057	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2057	* *	5	$200	
Raceway								
Conduit	90%			2057	* *	1		
Conduit	10%			2031	$3,300	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	$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2048	* *	1	$1,800	
Generators								
Diesel	100%			2044	* *	1	$2,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 80 Kilowatts								
Batteries								
Lead/Acid	100%			2026	$1,600	5	$200	
Fuel Storage								
Day Tank	50%			2053	* *	5	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 100 Gallons								
Main Tank	50%			2034	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 550 Gallons								
Lighting								
Interior Lighting								
LED	100%			2039	* *			
Egress Lighting								
Emergency, Service	50%			2039	* *	1		
Exit, LED	50%			2066	* *	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. 5
Asset # : 13004

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								
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 Surveliance Camera								

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%			2051	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2044	* *	1	$2,800	
Distribution								
Hot Wtr Piping/Pump	100%			2047	* *	4	$400	
Terminal Devices								
Convector/Radiator	100%			2044	* *	1	$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2047	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	60%			2036	* *	2	$200	
Window/Wall Unit	30%			2029	$3,600	1		
Window/Wall Unit	10%	0-2	$400	2029	$1,200	1		
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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : R-410a								
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$5,100	
Exhaust Fans								
Roof	20%			2031	$1,900	2		
Wall Unit	20%			2031	$400	2		
No Component	60%							

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FIRE DEPARTMENT - 057
ENGINE CO. 5
Asset # : 13004

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%			2051	* *	1		
Galvanized Steel	80%			2044	* *	1		
Water Heater								
Under Construction	100%							
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
Leaking Connections, Extent : Moderate, Area Affected : 20%								
Location : Kitchen Sink Leaking								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 2nd Floor Laundry Room								
Explanation : Clogged Drain Line								
Fire Suppression								
Chemical System								
Wet	100%			2026	$27,900	1-3	$4,600	

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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$117,500	
Interior Architecture		$22,900
Electrical		$161,600
Mechanical		$51,000
Total	**$117,500**	**$235,400**
Importance Code A	$117,500	
Importance Code B		$235,400
Total	**$117,500**	**$235,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$60,500		$200	
Interior Architecture	$52,000		$500	$500
Electrical	$2,800	$800	$900	$1,500
Mechanical	$80,000	$1,700	$2,100	$1,800
Site Enclosure	$13,600			
Site Pavements	$29,700			
Total	**$238,500**	**$2,500**	**$3,700**	**$3,800**
Importance Code A	$95,500	$600	$800	$600
Importance Code B	$98,000	$2,000	$2,700	$3,000
Importance Code C	$45,000		$200	$200
Total	**$238,500**	**$2,500**	**$3,700**	**$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. 50/ LADDER CO. 19
Asset # : 13037

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 Cavity	80%	0-2	$60,200	LIFE	* *	5	$15,100	
Vegetation Growth, Extent : Moderate, Area Affected : 20%								
Location : Corner At Kitchen And At 1st Story Bump Out								
Metal Sect. OHD	15%	4+	$4,700	2036	* *	5	$4,400	
Deformed/Dented, Extent : Light, Area Affected : 5%								
Location : At Bottom Of Overhead Door								
Pre-Cast Concrete	5%	Now	$3,300	LIFE	* *	5	$3,100	
Spalling, Extent : Moderate, Area Affected : 15%								
Location : Above House Watch								
Windows								
Aluminum	72%	Now	$57,300	2056	* *	5	$600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 50%								
Location : Basement And At House Watch								
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Aluminum	28%			2039	* *	5	$500	
Parapets								
Masonry: Brick	90%			LIFE	* *	5-10	$10,900	
Pre-Cast Concrete	10%	Now	$6,700	LIFE	* *	5	$1,100	
Exposed Reinforcement, Extent : Moderate, Area Affected : 10%								
Location : Coping								
Caulking Deteriorated, Extent : Moderate, Area Affected : 20%								
Location : Coping Joints								
Roof								
Modified Bitumen	75%	Now	$22,800	2036	* *			
Alligatoring, Extent : Severe, Area Affected : 30%								
Location : Throughout Upper Roof								
Blisters, Extent : Moderate, Area Affected : 25%								
Location : Throughout Upper Roof								
Seams Open/Split, Extent : Moderate, Area Affected : 15%								
Location : Various Locations Throughout								
Modified Bitumen	25%	Now	$11,400	2036	* *			
Ridging, Extent : Moderate, Area Affected : 25%								
Location : Throughout Lower Roof								
Seams Open/Split, Extent : Moderate, Area Affected : 20%								
Location : Various Locations Throughout								
Vegetation Growth, Extent : Severe, Area Affected : 30%								
Location : Lower Roof								
Soffits								
Stucco Cement	100%	4+	$2,200	2044	* *	5	$1,800	
Staining/Discoloring, Extent : Light, Area Affected : 80%								
Location : At Corner Of Washington Avenue And 167th Street								
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. 50/ LADDER CO. 19
Asset # : 13037

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	$18,700	LIFE	* *	5	$18,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Floor								
Misaligned/Bulging, Extent : Moderate, Area Affected : 15%								
Location : Apron At Apparatus Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 30%								
Location : Throughout Apparatus Floor								
Ceramic Tile	10%	Now	$10,400	2040	* *	5	$800	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Shower								
Drains Inad/Misposn, Extent : Severe, Area Affected : 20%								
Location : Shower, Locker Room								
Other Observation, Extent : Severe, Area Affected : 50%								
Location : 2nd Floor Showers								
Explanation : Poor Quality Of Construction. Showers Moldy								
Quarry Tile	10%			2036	* *	5	$2,500	
Vinyl Tile	15%	0-2	$6,900	2031	$22,900	3	$900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 30%								
Location : First Floor, 2nd Floor Locker And Bunk Room								
Worn/Eroded, Extent : Severe, Area Affected : 20%								
Location : Stairwell And First Floor								
Vinyl Tile	15%			2036	* *	3	$900	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Interior Walls								
Ceramic Tile	5%			2034	* *	5	$300	
Ceramic Tile	5%			2040	* *	5	$300	
Concrete Masonry Unit	50%			LIFE	* *	5	$2,500	
Gypsum Board	5%			LIFE	* *	5-10	$500	
Plaster	10%			LIFE	* *	5-10	$500	
SGFT/Glazed Masonry	20%			LIFE	* *	10	$600	
Wood	5%			LIFE	* *	5	$2,500	
Ceilings								
AcousTileSusp.Lay-In	55%	4+	$4,000	2044	* *	5	$4,600	
Staining/Discoloring, Extent : Moderate, Area Affected : 20%								
Location : Kitchen Area, Bunk Room, And Gymnasium								
Exposed Concrete	15%			LIFE	* *	5-10	$3,200	
Gypsum Board	30%	4+	$5,400	LIFE	* *	5	$6,300	
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : Apparatus Room								
Site Enclosure								
Fence/Gates								
Chain Link	100%	0-2	$12,700	2041	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 50%								
Location : Side Yard And Driveway								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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 Enclosure								
Retaining Walls								
Cast in Place Concrete	100%	4+	$800	2051	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Driveway								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	90%	4+	$1,300	2044	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Along 167th Street And Washington Avenue								
Pavers/Stone	10%			2040	* *			
Parking/Driveway								
Asphalt	90%	Now	$25,600	2046	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 50%								
Location : Driveway And Side Yard								
Ponding, Extent : Severe, Area Affected : 10%								
Location : Driveway And Side Yard								
Potholes, Extent : Severe, Area Affected : 25%								
Location : Driveway								
Tripping Hazard, Extent : Severe, Area Affected : 25%								
Location : Driveway								
Cast in Place Concrete	10%	4+	$2,800	2044	* *			
Misaligned/Bulging, Extent : Light, Area Affected : 10%								
Location : 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								
Molded Case Bkrs	100%			2031	$5,200	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	$52,200	5	$300	
Raceway								
Conduit	100%			2031	$33,500	1		
Panelboards								
Fused Disc Sw	5%			2030	$2,100	5		
Molded Case Bkrs	95%			2030	$39,100	5	$300	
Wiring								
Thermoplastic	100%			2031	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2029	$15,400	5	$100	
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. 50/ LADDER CO. 19
Asset # : 13037

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
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$300	
Stand-by Power								
Transfer Switches								
Automatic	100%			2029	$5,200	1	$3,500	
Generators								
Diesel	100%			2027	$70,300	1	$4,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room Basement								
Explanation : One 17.5 Kilowatts								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$400	
Fuel Storage								
Day Tank	50%			2030	$400	5	$1,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room Basement								
Explanation : One 10 Gallons								
Main Tank	50%			2034	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 275 Gallons								
Lighting								
Interior Lighting								
Fluorescent	30%			2036	* *	10	$3,100	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
LED	70%			2039	* *			
Egress Lighting								
Emergency, Service	50%			2039	* *	1		
No Component	50%							
Exterior Lighting								
HID	20%			2026	$9,100	10		
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%			2051	* *	1		
Conversion Equipment								
Hot Water Boiler	100%	Now	$35,000	2036	* *	1	$5,000	
Cracked, Extent : Severe, Area Affected : 100%								
Location : Boiler Room, Cracked Combustion Chamber Spilling Water Profusely								
Leak Evident, Extent : Severe, Area Affected : 100%								
Location : Basement Boiler Room. Boiler Leaking Water								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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	$800	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Explanation : There Is Only One Thermostat In The Building								
Terminal Devices								
Convector/Radiator	70%			2036	* *	1	$2,600	
Fan Coil Unit/Heat	30%			2026	$51,000	1	$1,100	
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%			2039	* *	2	$100	
Other Observation, Extent : Light, Area Affected : 20%								
Location : Roof								
Explanation : 1 Unit. R-410a								
Split Unit	10%	0-2	$24,200	2041	* *			
Other Observation, Extent : Severe, Area Affected : 10%								
Location : Roof								
Explanation : 2 Units Are On Extend Working Life Time. R-22								
Window/Wall Unit	30%			2026	$7,100	1		
No Component	40%							
Heat Rejection								
Dry Cooler	10%			2026	$3,700	2	$800	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	70%			LIFE	* *	2-5	$7,000	
No Component	30%							
Exhaust Fans								
Interior	40%	0-2	$16,100	2041	* *	2	$100	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Explanation : No Ventilation In The Bathroom Area. Mold Infestation Evident								
Roof	40%	Now	$800	2036	* *	2	$100	
Not in Service, Extent : Severe, Area Affected : 25%								
Location : Roof								
No Component	20%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Lack Of Air Circulation In 2nd Floor And The Bathroom								
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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Water Heater								
Gas Fired	100%			2029	$6,900	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%			2031	$1,700	4	$400	
Fixtures								
Generic	100%							
Other Observation, Extent : Severe, Area Affected : 100%								
Location : 2nd Floor Bathroom								
Explanation : Cracked Shower Stall And Floor								
Fire Suppression								
Sprinkler								
No Component	80%							
Generic	20%			2041	* *	1-2	$600	
Chemical System								
Wet	100%			2026	$27,900	1-3	$4,600	

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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$58,600
Total		**$58,600**
Importance Code A		$58,600
Total		**$58,600**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$60,300			
Interior Architecture	$106,100	$1,700	$100	$1,100
Electrical	$800	$500	$500	$500
Mechanical	$3,500	$1,000	$1,800	$1,500
Site Enclosure				
Site Pavements	$15,600			
Total	**$186,400**	**$3,200**	**$2,400**	**$3,000**
Importance Code A	$61,000	$700	$700	$700
Importance Code B	$64,400	$2,500	$1,700	$2,300
Importance Code C	$61,000			
Total	**$186,400**	**$3,200**	**$2,400**	**$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. 52/ LADDER CO. 52
Asset # : 13038

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	60%	0-2	$13,400	LIFE	* *	5	$20,800	
Efflorescence, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Rusting Masonry Supt, Extent : Severe, Area Affected : 5%								
Location : Exterior Facades								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Masonry: Brick	30%			LIFE	* *	5	$20,800	
Masonry: Limestone	5%			LIFE	* *	5	$2,600	
Wood Overhead Doors	5%	Now	$2,900	2029	$58,600	5	$4,300	
Other Observation, Extent : Severe, Area Affected : 5%								
Location : Within Overhead Door								
Explanation : Access Door Inoperable								
Windows								
Aluminum	100%	Now	$12,700	2047	* *	5	$1,400	
Corrosion/Rusting, Extent : Moderate, Area Affected : 10%								
Location : Window Lintels At 2nd Floor Shower Room								
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Bunker Room								
Water Penetration, Extent : Severe, Area Affected : 15%								
Location : 2nd Floor At Shower Room								
Parapets								
Masonry: Brick	5%			LIFE	* *	5-10		
Masonry: Limestone	95%			LIFE	* *	5-10		
Spalling, Extent : Light, Area Affected : 2%								
Location : Left Side Facade At Cornice								
Roof								
Copper/Terne	90%	4+	$19,300	2059	* *			
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 1%								
Location : Over 1st Floor Front Bay Window								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Attic Space With Wood Rafters Supporting Roof Have Water Damage								
Roll Roofing	10%	Now	$300	2027	$5,200	5	$1,000	
Scupper Non-Func/Miss, Extent : Severe, Area Affected : 5%								
Location : Roof Edge								
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		
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	$26,200	
Ceramic Tile	9%			2040	* *	5	$1,100	
Quarry Tile	1%			2044	* *	5	$200	
Terrazzo	5%	4+	$3,000	LIFE	* *	5	$500	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Cracks In Bathroom Floor								
Vinyl Tile	25%	0-2	$10,900	2036	* *	3	$1,100	
Worn/Eroded, Extent : Severe, Area Affected : 30%								
Location : 2nd Floor Throughout								
Vinyl Tile 9" X 9"	10%	2-4	$14,100	2041	* *	3	$500	
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : Second Floor								
Interior Walls								
Cast in Place Concrete	10%	Now	$6,700	LIFE	* *			
Water Penetration, Extent : Severe, Area Affected : 3%								
Location : Side Wall And Exercise Area At Cellar								
Ceramic Tile	2%	Now	$1,200	2040	* *	5	$200	
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : 2nd Floor Womens Toilet								
Gypsum Board	2%			LIFE	* *	5-10	$700	
Masonry: Brick	10%	0-2	$24,800	LIFE	* *			
Paint Peeling, Extent : Moderate, Area Affected : 50%								
Location : Cellar								
Spalling, Extent : Moderate, Area Affected : 50%								
Location : Cellar								
Plaster	5%	4+	$800	LIFE	* *	5	$300	
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : 2nd Floor At Windows								
Spalling, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Television Room								
Plywood/Hardboard	1%			LIFE	* *	10		
SGFT/Glazed Masonry	70%	Now	$11,500	LIFE	* *			
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor At Stairwell								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor At Stairwell								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future 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. 52/ LADDER CO. 52
Asset # : 13038

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	30%			2048	* *	5	$3,400	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Exposed Struc: Steel	30%			LIFE	* *	10	$6,800	
Plaster	40%	Now	$12,800	LIFE	* *	5	$2,900	
Cracking/Crumbling, Extent : Severe, Area Affected : 15%								
Location : Apparatus Room, Soda Closet								
Spalling, Extent : Moderate, Area Affected : 5%								
Location : Stairwell At 1st Floor								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Stairwell And Apparatus Room								
Site Enclosure								
Fence/Gates								
Wood	100%			2029	$22,100			
Free Standing Walls								
Concrete Masonry Unit	100%			2051	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	* *			
Parking/Driveway								
Asphalt	80%	Now	$15,600	2040	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Edges On Parking Area And Throughout								
Cast in Place Concrete	20%			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								
Molded Case Bkrs	100%			2051	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect								
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	

Note : 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. 52/ LADDER CO. 52
Asset # : 13038

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
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2051	* *	1	$2,300	
Generators								
Diesel	100%			2046	* *	1	$2,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : One 60 Kilowatts								
Batteries								
Lead/Acid	100%			2026	$1,600	5	$300	
Fuel Storage								
Main Tank	100%			2071	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 275 Gallons								
Lighting								
Interior Lighting								
LED	100%			2036	* *			
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		
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	$7,300	
Distribution								
Central Plant Steam Piping/Pmp	100%			2041	* *	4	$400	
Terminal Devices								
Convector/Radiator	100%			2036	* *	1	$2,400	
Air Conditioning								
Energy Source								
Electricity	100%			2047	* *	1		
Conversion Equipment								
Window/Wall Unit	80%			2026	$12,200	1		
No Component	20%							

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. 52/ LADDER CO. 52
Asset # : 13038

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	100%		LIFE	* *	2-5	$6,500	
	Other Observation, Extent : Light, Area Affected : 100%						
	Location : Basement						
	Explanation : Includes Make Up Air						
Exhaust Fans							
Interior	90%		2026	$23,500	2	$200	
Roof	10%		2031	$1,200	2		
Plumbing							
H/C Water Piping							
Brass/Copper	100%		2051	* *	1		
Water Heater							
Electric	100%		2029	$6,500	4		
	Other Observation, Extent : Light, Area Affected : 100%						
	Location : Basement						
	Explanation : Units Undersized For The Building						
Sanitary Piping							
Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping							
Cast Iron	100%		LIFE	* *	1		
	Other Observation, Extent : Light, Area Affected : 20%						
	Location : 1st Floor						
	Explanation : Report Of Backup Every 3 Months In Basement						
Sump Pump(s)							
Submersible	100%		2025	$200	4	$200	
Sewage Ejector(s)							
Electric	100%		2036	* *	4	$300	
Backflow Preventer							
Generic	100%		2036	* *	1	$500	
	Other Observation, Extent : Light, Area Affected : 100%						
	Location : 1st Floor						
	Explanation : Piped Up From Basement						
Fixtures							
Generic	100%						

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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$76,100	
Electrical		$26,800
Total	**$76,100**	**$26,800**
Importance Code A	$76,100	
Importance Code B		$26,800
Total	**$76,100**	**$26,800**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$13,200		$4,800	
Interior Architecture	$47,700		$3,200	
Electrical				$100
Mechanical	$7,200	$2,600	$9,300	$2,500
Total	**$68,100**	**$2,700**	**$17,400**	**$2,600**
Importance Code A	$14,200	$1,100	$5,900	$1,100
Importance Code B	$41,900	$1,600	$11,000	$1,500
Importance Code C	$12,000		$500	
Total	**$68,100**	**$2,700**	**$17,400**	**$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
ENGINE CO. 53 (COMBINED FACILITY) 23RD PCT.
Asset # : 13039

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 Cavity	80%			LIFE	* *	5	$17,600	
Pre-Cast Concrete	10%	2-4	$800	LIFE	* *	5	$3,600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%								
Location : Front Facade On 3rd Avenue								
Staining/Discoloring, Extent : Severe, Area Affected : 75%								
Location : Front Facade								
Wood Overhead Doors	10%			2044	* *	5	$5,500	
Windows								
Aluminum	100%	Now	$76,100	2056	* *	5	$900	
Hardware Missing, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Explanation : Old Windows								
Parapets								
Masonry: Brick	85%	0-2	$1,900	LIFE	* *	5	$1,500	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%								
Location : South East Corner								
Pre-Cast Concrete	15%			LIFE	* *	5	$3,400	
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	$31,400	
Ceramic Tile	2%	Now	$6,600	2046	* *	5	$200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : 1st Floor Toilet								
Worn/Eroded, Extent : Severe, Area Affected : 5%								
Location : 2nd Floor								
Ceramic Tile	3%			2044	* *	5	$500	
Recent Replace Evident, Extent : Light, Area Affected : 3%								
Location : 1st Floor								
Quarry Tile	5%			2044	* *	5	$1,200	
Vinyl Tile	45%			2039	* *	3	$2,700	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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%			2044	* *	5	$600	
Recent Construction, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Ceramic Tile	2%			2034	* *	5	$400	
Concrete Masonry Unit	20%			LIFE	* *	5	$3,400	
Gypsum Board	15%			LIFE	* *	5-10	$5,500	
Plaster	25%			LIFE	* *	5-10	$4,600	
SGFT/Glazed Masonry	35%			LIFE	* *	10	$3,800	
Ceilings								
AcousTileConcealSpLn	10%			2044	* *	5	$2,000	
AcousTileSusp.Lay-In	40%			2036	* *	5	$6,300	
Exposed Concrete	50%	4+	$13,400	LIFE	* *	5	$1,200	
Paint Peeling, Extent : Moderate, Area Affected : 40%								
Location : Apparatus Room								

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								
Raceway								
Conduit	80%			2031	$26,800	1		
Conduit	20%			2051	* *	1		
Panelboards								
Fused Disc Sw	5%			2030	$2,100	5		
Molded Case Bkrs	30%			2053	* *	5	$100	
Molded Case Bkrs	65%			2030	$26,800	5	$200	
Wiring								
Thermoplastic	70%			2031	$20,700	1		
Thermoplastic	30%			2057	* *	1		
Motor Controllers								
Locally Mounted	100%			2029	$15,400	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		
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

ENGINE CO. 53 (COMBINED FACILITY) 23RD PCT.

Asset # : 13039

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								
Interruptible Gas/Dual Fuel	100%			2041	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Of Adjacent Building Which Is The Police Station								
Explanation : The Heating Source Is From The Adjacent Building Which Is The Police Station								
Conversion Equipment								
Steam Boiler	100%			2036	* *	1	$10,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Of Adjacent Building Which Is The Police Station								
Explanation : The Heating Source Is From The Adjacent Building Which Is The Police Station								
Distribution								
Hot Wtr Piping/Pump	50%			2039	* *	4	$400	
Hot Wtr Piping/Pump	50%	0-2	$1,700	2039	* *	4	$300	
Controller Not Working, Extent : Severe, Area Affected : 100%								
Location : Throughout. No Zoning And Seperate Temperature Control								
Terminal Devices								
Convector/Radiator	40%			2036	* *	1	$1,400	
Unit Heater - Steam	40%			2026	$15,200	4	$600	
No Component	20%							
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Reciprocating Compr/Chiller	30%			2031	$27,100	1	$1,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Air Conditioning Comes From The Adjacent Building Which Is The Police Station								
Window/Wall Unit	30%			2024	$6,700	1		
No Component	40%							
Terminal Devices								
Air Handler/Cool/Ht	30%			2026	$21,500	1	$2,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Adjacent Police								
Explanation : Air Conditioning Comes From The Adjacent Building Which Is The Police Station								
No Component	70%							
Heat Rejection								
Water Cooling Tower	30%			2035	* *	2	$3,200	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Roof Of Adjacent Building								
No Component	70%							
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. 53 (COMBINED FACILITY) 23RD PCT.
Asset # : 13039

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	100%			LIFE	* *	2-5	$9,400	
Exhaust Fans								
Roof	50%			2026	$8,800	2	$200	
Roof	10%			2036	* *	2		
No Component	40%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Electric	100%			2026	$9,400	4	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Two 120 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Backflow Preventer								
Generic	100%			2031	$2,700	1	$700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Police Department								
Explanation : In Adjacent Police Department								
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	90%							
Generic	10%			2041	* *	1-2	$300	
Fire Pump								
Generic	100%			2034	* *	1	$2,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : In Adjacent Police Department								
Explanation : In Adjacent Police Department								

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

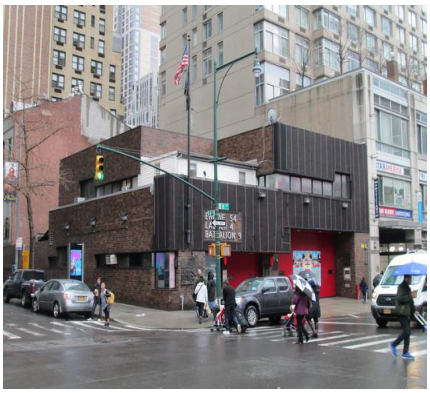
Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **23-Jan-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **1019** **Lot** : **61**	**BIN**	: **1024767**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$77,900	$137,900
Interior Architecture		$48,400
Electrical	$38,100	$91,300
Total	**$115,900**	**$277,500**
Importance Code A	$77,900	$137,900
Importance Code B	$38,100	$139,700
Total	**$115,900**	**$277,500**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$21,200			
Interior Architecture	$34,500	$1,000	$500	$600
Electrical	$2,700	$800	$41,900	$700
Mechanical	$8,100	$1,100	$10,300	$1,300
Site Enclosure	$4,800			
Total	**$71,300**	**$2,800**	**$52,700**	**$2,600**
Importance Code A	$21,700	$500	$500	$500
Importance Code B	$44,800	$2,100	$52,200	$2,100
Importance Code C	$4,800	$300		
Total	**$71,300**	**$2,800**	**$52,700**	**$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

ENGINE CO. 54/ LADDER CO 4/ BATTALION 9

Asset # : 13044

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								
Alum/Vinyl Siding	10%			2039	* *	10	$500	
Masonry: Brick	80%	Now	$77,900	LIFE	* *	5	$12,100	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Loose Units, Extent : Moderate, Area Affected : 15%								
Location : Front Facade								
Caulking Deteriorated, Extent : Severe, Area Affected : 3%								
Location : Front And Side Facades								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Front Facade								
Explanation : Protective Netting In Place								
Metal Sect. OHD	10%			2042	* *	5	$4,700	
Windows								
Aluminum	90%	Now	$1,900	2037	* *	5	$200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Glazing Clouded, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Aluminum	10%			2045	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor Battalion Office								
Explanation : Three Windows Are Vinyl Replacement Windows								
Parapets								
Masonry: Brick	90%	Now	$14,800	LIFE	* *	5	$1,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 50%								
Location : Front Facade								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%								
Location : Throughout Parapet								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Front Facade								
Explanation : Protective Netting In Place								
Masonry: Brownstone	10%	Now	$2,200	LIFE	* *	5	$300	
Misaligned/Bulging, Extent : Severe, Area Affected : 15%								
Location : Front Facade Coping Stones								
Caulking Deteriorated, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Roof								
Modified Bitumen	100%			2029	$137,900	10	$9,500	
Ponding, Extent : Light, Area Affected : 10%								
Location : Throughout								
Soffits								
Metal Panel	100%			2049	* *	5-10		
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

ENGINE CO. 54/ LADDER CO 4/ BATTALION 9

Asset # : 13044

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%	0-2	$3,900	LIFE	* *	5	$15,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Equipment Room Floor								
Ceramic Tile	10%			2038	* *	5	$1,400	
Quarry Tile	5%			2034	* *	5	$1,100	
Vinyl Tile	35%	Now	$13,400	2034	* *	3	$1,800	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Worn/Eroded, Extent : Light, Area Affected : 20%								
Location : Throughout								
Interior Walls								
Ceramic Tile	5%			2038	* *	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	* *			
Ceilings								
AcousTileSusp.Lay-In	40%			2027	$48,400	5	$5,600	
Exposed Concrete	30%	0-2	$14,400	LIFE	* *	5	$700	
Cracking/Crumbling, Extent : Light, Area Affected : 3%								
Location : Southeast Corner Of Basement								
Plaster	30%			LIFE	* *	5	$2,600	
Site Enclosure								
Fence/Gates								
Wood	100%	4+	$3,400	2034	* *			
Dry Rot/Decay, Extent : Light, Area Affected : 100%								
Location : Side Yard								
Free Standing Walls								
Masonry: Brick	100%	Now	$1,400	2049	* *			
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Side Yard								
Loose Units, Extent : Moderate, Area Affected : 5%								
Location : Side Yard								
Retaining Walls								
Concrete Masonry Unit	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			
Activity Yard								
Cast in Place Concrete	100%			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.
*** 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

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%			2029	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : One 400 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	$52,200	5	$200	
Raceway								
Conduit	100%			2029	$33,500	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	95%			2028	$39,100	5	$200	
Wiring								
Thermoplastic	100%			2029	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2034	* *	1	$2,900	
Generators								
Diesel	100%			2032	* *	1	$3,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room - Yard								
Explanation : One 80 Kilovolt-ampere								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$400	
Fuel Storage								
Day Tank	30%			2037	* *	5	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room - Yard								
Explanation : One 60 Galllons								
Main Tank	70%			2044	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Underground								
Explanation : One 1,000 Gallon								
Lighting								
Interior Lighting								
Fluorescent	95%			2024	$26,000	10	$8,200	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Incandescent	5%			2024	$3,200	2		
Egress Lighting								
Emergency, Service	70%			2024	$3,500	1		
No Component	30%							

Note : 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. 54/ LADDER CO 4/ BATTALION 9
Asset # : 13044

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								
Exterior Lighting								
HID	100%			2024	$38,100	10		

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%			2049	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2049	* *	1	$4,700	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Basement								
Distribution								
Hot Wtr Piping/Pump	100%			2045	* *	4	$500	
Terminal Devices								
Convector/Radiator	80%			2034	* *	1	$2,400	
Fan Coil Unit/Heat	20%			2029	$28,300	1	$600	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	25%			2034	* *	2	$100	
Exterior Pkg Unit - Cooling	25%			2034	* *	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Lower Roof								
Explanation : Unit Serves Kitchen And Member Room								
Window/Wall Unit	35%			2022	$6,900	1		
No Component	15%							
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%			2034	* *	2	$300	
Plumbing								
H/C Water Piping								
Brass/Copper	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. 54/ LADDER CO 4/ BATTALION 9

Asset # : 13044

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								
Gas Fired	100%			2024	$5,800	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%			2024	$1,400	4	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Duplex Unit								
Backflow Preventer								
No Component	95%							
Generic	5%			2034	* *	1		
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	95%							
Generic	5%			2049	* *	1-2	$100	
Chemical System								
Generic	100%			2027	$27,900	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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **25-Jun-2018**	**Landmark Status**	: **EXTERIOR LANDMARK**
Areas Surveyed	: **Basement, Roof, Floors 1,2,3,4**		
Block	: **470** **Lot** : **12**	**BIN**	: **1066722**

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture			$4,600	
Interior Architecture	$27,900		$2,800	
Electrical	$1,200	$2,800	$9,500	$1,300
Mechanical	$1,600	$1,400	$2,100	$1,200
Total	**$30,700**	**$4,200**	**$19,000**	**$2,500**
Importance Code A	$700	$700	$5,400	$700
Importance Code B	$17,600	$3,400	$13,600	$1,700
Importance Code C	$12,400			
Total	**$30,700**	**$4,200**	**$19,000**	**$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. 55
Asset # : 13045

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	15%			LIFE	* *	5	$4,900	
Metal Sect. OHD	10%			2046	* *	5	$10,300	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Main Apparatus Door								
Not Accessible	75%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Front And Side Elevations								
Explanation : Scaffold Covers The Front And Side Elevations								
Windows								
Aluminum	50%			2054	* *	5	$800	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Rear Facade								
Wood	50%			2054	* *	5	$8,400	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Front Facade								
Parapets								
Masonry: Brick	90%			LIFE	* *	5	$2,300	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Masonry: Sandstone	10%			LIFE	* *	5	$300	
Roof								
Copper/Terne	5%			2069	* *	10	$800	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Roof								
Modified Bitumen	90%			2039	* *	10	$6,100	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Skylight, Metal/Glass	5%			2059	* *	10	$1,100	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Lower Roof								
Interior								
Floors								
Cast in Place Concrete	35%	Now	$9,300	LIFE	* *	5	$8,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Basement								
Ceramic Tile	5%			2044	* *	5	$600	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Wood	60%			2057	* *	5	$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. 55
Asset # : 13045

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								
Concrete Masonry Unit	5%			LIFE	* *	5	$400	
Gypsum Board	45%			LIFE	* *	5	$4,900	
Masonry: Brick	15%	Now	$12,400	LIFE	* *			
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Water Penetration, Extent : Light, Area Affected : 10%								
Location : Basement								
Plaster	10%			LIFE	* *	5	$500	
SGFT/Glazed Masonry	20%			LIFE	* *			
Wood	5%			LIFE	* *	5	$3,600	
Ceilings								
AcousTileSusp.Lay-In	45%			2049	* *	5	$5,000	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Ceramic Tile	25%			LIFE	* *	5	$1,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Apparatus Bay								
Explanation : Glazed Masonry Vaulted Ceiling								
Embossed Metal	10%			LIFE	* *	5	$500	
Exposed Struc: Steel	15%			LIFE	* *			
Gypsum Board	5%			LIFE	* *	5	$700	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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%			2049	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Electrical Section								
Explanation : The Service Equipment Consists Of A 200 Ampere Switch With 200 Ampere Fuse Switch Which Is In Good Condition.								
Raceway								
Conduit	100%			2049	* *	1		
Panelboards								
Molded Case Bkrs	100%			2045	* *	5	$200	
Wiring								
Thermoplastic	100%			2049	* *	1		
Motor Controllers								
Locally Mounted	100%			2042	* *	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. 55

Asset # : 13045

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
Stand-by Power								
Transfer Switches								
Automatic	100%			2042	* *	1	$2,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Electrical Section								
Explanation : The Transfer Switch Is A 200 Ampere, 4 Pole Switch And It Is In Good Condition.								
Generators								
Diesel	100%			2038	* *	1	$2,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Interior								
Explanation : The Size Of The Generator Is 60 Kilowatt / 75 Kilovolt-ampere, 208/120 Volts, 3 Phase. It Is In Good Condition.								
Batteries								
Lead/Acid	100%			2023	$1,700	5	$300	
Fuel Storage								
Day Tank	15%			2045	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : The Day Tank Is A 75 Gallon Stand- Alone Tank.								
Main Tank	85%			2057	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : The Main Tank Is A 550 Gallon Diesel Main Fuel Tank.								
Lighting								
Interior Lighting								
Fluorescent	100%			2034	* *	10	$6,800	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Egress Lighting								
Emergency, Battery	100%			2034	* *	10	$1,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Path Of Egress - Stairs And Hallways								
Explanation : The Emergency Lights Are Battery Operated Emergency Lights.								
Exterior Lighting								
HID	100%			2034	* *	10		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Facade								
Explanation : The Exterior Lights Are Wall Mounted And Are Controlled Via Switch.								
Alarm								
Fire/Smoke Detection								
Generic, Analog	100%			2034	* *	1-3	$4,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : The System Consists Of Hardwired, Interconnected, Combination Smoke/ Carbon Monoxide Detectors With Sounder Base.								

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

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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2046	* *	1	$7,300	
Distribution								
Central Plant Steam Piping/Pmp	100%			2049	* *	4	$400	
Terminal Devices								
Convector/Radiator	100%			2042	* *	1	$2,400	
Air Conditioning								
Energy Source								
Electricity	100%			2051	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%			2034	* *	2	$100	
Split Unit	70%			2037	* *			
No Component	10%							
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2	$1,900	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$4,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement To Roof								
Explanation : Includes Make Up Air And Exhaust For Generator								
Exhaust Fans								
Interior	25%			2029	$7,100	2	$100	
Roof	70%			2034	* *	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : Kitchen Exhaust								
No Component	5%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	* *	1		
Water Heater								
Gas Fired	100%			2027	$4,900	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
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. 55
Asset # : 13045

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								
Sump Pump(s)								
Submersible	100%			2023	$300	4	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Units In 2 Locations								
Backflow Preventer								
No Component	95%							
Generic	5%			2034	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Boiler Only								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	2%	Now	$600	2029	$600	1-3	$100	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : 1st Floor Kitchen								
Explanation : System Piping Disconnected At 1st Floor Kitchen								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **22-Feb-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2,3,ph**		
Block	: **1618** **Lot** : **1**	**BIN**	: **1080501**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Electrical		$4,100
Total		**$4,100**
Importance Code B		$4,100
Total		**$4,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$31,600		$15,300	
Interior Architecture	$14,300		$2,700	
Electrical			$42,400	$100
Mechanical	$1,300	$1,000	$15,700	$1,200
Site Enclosure	$1,800			
Total	**$49,000**	**$1,000**	**$76,000**	**$1,300**
Importance Code A	$32,000	$400	$15,700	$400
Importance Code B	$6,600	$600	$60,300	$900
Importance Code C	$10,400			
Total	**$49,000**	**$1,000**	**$76,000**	**$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. 58/ LADDER CO. 26
Asset # : 13046

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	85%			LIFE	* *	5	$17,900	
Metal Panel	7%			2049	* *	5-10	$10,100	
Metal Sect. OHD	8%	Now	$28,000	2042	* *	5	$2,600	
Unit Inoperable, Extent : Moderate, Area Affected : 25%								
Location : Apparatus Door								
Windows								
Aluminum	100%	Now	$1,200	2045	* *	5	$300	
Air Infiltration, Extent : Moderate, Area Affected : 10%								
Location : First Floor Watch Room, Stair Tower								
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : First Floor Watch Room								
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : First Floor Watch Room								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5	$1,600	
Masonry: Brick	80%			LIFE	* *	5	$1,700	
Metal Rail	10%			2042	* *	5-10	$3,800	
Roof								
Asphalt Shingle	5%			2032	* *	10	$100	
Modified Bitumen	95%			2034	* *	10	$12,500	
Soffits								
Stucco Cement	100%			2042	* *	5		
Staining/Discoloring, Extent : Light, Area Affected : 20%								
Location : Front Facade								
Interior								
Floors								
Cast in Place Concrete	53%	4+	$3,600	LIFE	* *	5	$14,100	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : 1st Floor Apparatus Area								
Ceramic Tile	10%	0-2	$500	2038	* *	5	$600	
Other Observation, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Shower								
Explanation : Shower Leaks Causing Mold								
Quarry Tile	5%			2042	* *	5	$900	
Cracking/Crumbling, Extent : Light, Area Affected : 2%								
Location : 1st Floor Watch Room								
Sheet Vinyl/Rubber	30%			2034	* *	5	$5,500	
Wood	2%			2057	* *	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
ENGINE CO. 58/ LADDER CO. 26
Asset # : 13046

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%			LIFE	* *			
Ceramic Tile	5%	Now	$200	2038	* *	5	$200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Toilets And Showers 2nd Floor								
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Toilets And Showers 2nd Floor								
Concrete Masonry Unit	15%	Now	$1,400	LIFE	* *	5	$500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Masonry: Brick	5%			LIFE	* *			
Plaster	30%	Now	$1,000	LIFE	* *	5	$700	
Misaligned/Bulging, Extent : Moderate, Area Affected : 5%								
Location : Stair								
Other Observation, Extent : Moderate, Area Affected : 5%								
Location : Throughout 2nd Floor								
Explanation : Wall Base Delaminating								
SGFT/Glazed Masonry	35%	Now	$5,900	LIFE	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Throughout 1st Floor								
Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
Location : 1st Floor Apparatus Room								
Wood	5%			LIFE	* *	5	$1,600	
Ceilings								
AcousTileSusp.Lay-In	15%			2042	* *	5	$1,800	
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : Kitchen, Dining Area								
Exposed Concrete	30%			LIFE	* *	5	$600	
Plaster	55%			LIFE	* *	5	$4,200	
Paint Peeling, Extent : Light, Area Affected : 5%								
Location : 2nd Floor Showers								
Site Enclosure								
Fence/Gates								
Chain Link	100%	4+	$1,800	2049	* *			
Corrosion/Rusting, Extent : Light, Area Affected : 10%								
Location : Rear Yard								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 2%								
Location : Throughout								

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FIRE DEPARTMENT - 057
ENGINE CO. 58/ LADDER CO. 26
Asset # : 13046

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								
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Rear Yard								
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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%			2049	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Raceway								
Conduit	90%			2029	$30,100	1		
Conduit	10%			2049	* *	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	85%			2045	* *	5	$200	
Molded Case Bkrs	10%			2028	$4,100	5		
Wiring								
Braided Cloth	20%			2028	$5,900	1		
Thermoplastic	80%			2049	* *	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
Fluorescent	95%			2034	* *	10	$7,100	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Incandescent	5%			2034	* *	2		
Egress Lighting								
Emergency, Service	50%			2024	$2,100	1		
Exit, Service	50%			2024	$500	1		
Exterior Lighting								
HID	100%			2024	$32,700	10		

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

FIRE DEPARTMENT - 057
ENGINE CO. 58/ LADDER CO. 26
Asset # : 13046

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%			2049	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2042	* *	1	$4,000	
Distribution								
Hot Wtr Piping/Pump	100%			2037	* *	4	$400	
Terminal Devices								
Convector/Radiator	90%			2034	* *	1	$2,400	
Unit Heater - Hot Water	10%			2029	$3,000			
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Window/Wall Unit	80%			2024	$13,500	1		
No Component	20%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$4,500	
Exhaust Fans								
Roof	90%			2029	$12,100	2	$200	
Wall Unit	10%			2024	$300	2		
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2027	$4,900	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$300	4	$300	
Backflow Preventer								
No Component	95%							
Generic	5%			2034	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Boiler Only								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2027	$27,900	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.*

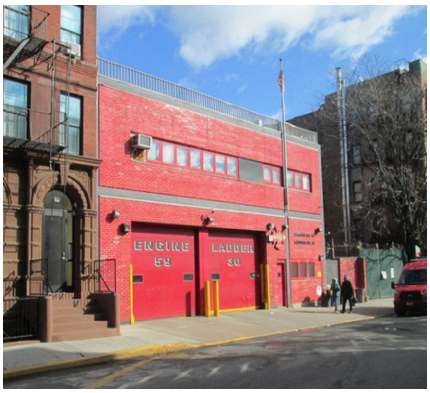
Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **25-Jan-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **1918** **Lot** : **24**	**BIN**	: **1058225**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$188,800	$172,400
Total	**$188,800**	**$172,400**
Importance Code A	$188,800	$172,400
Total	**$188,800**	**$172,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$9,400		$1,900	
Interior Architecture	$28,100	$900	$3,300	$100
Electrical	$2,700	$600	$700	$600
Mechanical	$11,100	$700	$19,500	$900
Site Enclosure	$10,600			
Site Pavements	$15,700			
Total	**$77,500**	**$2,200**	**$25,400**	**$1,600**
Importance Code A	$9,800	$400	$2,300	$400
Importance Code B	$26,800	$900	$23,100	$1,200
Importance Code C	$40,900	$900		
Total	**$77,500**	**$2,200**	**$25,400**	**$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. 59/ LADDER CO. 30
Asset # : 13047

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								
Concrete Masonry Unit	5%	Now	$2,200	LIFE	* *	5	$600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Throughout Rear								
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout Rear								
Vertical Cracks, Extent : Moderate, Area Affected : 5%								
Location : Throughout Rear								
Masonry: Brick	80%	Now	$102,600	LIFE	* *	5	$15,900	
Broken/Missing Elements, Extent : Light, Area Affected : 2%								
Location : Stair Tower								
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Metal Panel	5%			2039	* *	5-10	$6,800	
Metal Sect. OHD	10%	2-4	$3,300	2042	* *	5	$3,100	
Deformed/Dented, Extent : Light, Area Affected : 5%								
Location : South Side								
Windows								
Aluminum	100%	Now	$2,200	2045	* *	5	$200	
Air Infiltration, Extent : Light, Area Affected : 20%								
Location : Throughout								
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Basement Areaway, Stair Tower								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Parapets								
Masonry: Brick	25%			LIFE	* *	5	$300	
Paint Peeling, Extent : Light, Area Affected : 50%								
Location : Throughout								
Metal Cornice	5%	Now	$300	2057	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Parapet								
Explanation : Metal Coping								
Metal Rail	70%	Now	$1,300	2042	* *	5	$6,300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Front Facade - 2 Panels Broken								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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	$86,200	2029	$172,400			
Blisters, Extent : Moderate, Area Affected : 5%								
Location : Throughout Main Roof								
Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Main Roof Near Bulkhead, Throughout								
Interior								
Floors								
Cast in Place Concrete	40%	0-2	$2,800	LIFE	* *	5	$11,100	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Throughout Basement								
Ceramic Tile	10%	0-2	$1,300	2038	* *	5	$600	
Worn/Eroded, Extent : Moderate, Area Affected : 10%								
Location : Upper Level Toilet								
Quarry Tile	5%			2042	* *	5	$1,000	
Worn/Eroded, Extent : Light, Area Affected : 10%								
Location : Kitchen								
Sheet Vinyl/Rubber	35%			2034	* *	5	$6,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Rubber Tile								
Vinyl Tile	5%	Now	$1,700	2034	* *	3	$200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : House Watch								
Worn/Eroded, Extent : Severe, Area Affected : 15%								
Location : House Watch								
Wood	5%	Now	$400	2057	* *	5	$600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : TV Room								
Interior Walls								
Ceramic Tile	10%			2038	* *	5	$1,700	
Gypsum Board	5%			LIFE	* *	5	$500	
Plaster	50%	Now	$15,000	LIFE	* *	5	$2,600	
Spalling, Extent : Severe, Area Affected : 15%								
Location : Throughout 2nd Floor								
Water Penetration, Extent : Severe, Area Affected : 15%								
Location : Throughout 2nd Floor								
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. 59/ LADDER CO. 30
Asset # : 13047

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	10%	0-2	$500	2034	* *	5	$600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Kitchen								
Staining/Discoloring, Extent : Light, Area Affected : 10%								
Location : Kitchen								
Exposed Concrete	25%			LIFE	* *	5	$500	
Paint Peeling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Plaster	65%	Now	$5,800	LIFE	* *	5	$5,200	
Broken/Missing Elements, Extent : Severe, Area Affected : 20%								
Location : Throughout 2nd Floor								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Throughout 2nd Floor								
Site Enclosure								
Fence/Gates								
Chain Link	98%	Now	$9,300	2049	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Corrosion/Rusting, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Impact Damage, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Iron Picket	2%			2049	* *			
Deteriorated Finish, Extent : Light, Area Affected : 25%								
Location : Throughout								
Free Standing Walls								
Masonry: Brick	100%	4+	$1,300	2039	* *			
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 15%								
Location : Throughout								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2034	* *			
Parking/Driveway								
Asphalt	100%	Now	$15,400	2038	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout Edge Of Property								
Ponding, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Potholes, Extent : Moderate, Area Affected : 5%								
Location : Throughout								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance $ are aggregated over a ten-year period. Site specific 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		
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%	2-4	$400	2034	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Rear Yard								

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%			2039	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Raceway								
Conduit	100%			2039	* *	1		
Panelboards								
Fused Disc Sw	5%			2037	* *	5		
Molded Case Bkrs	95%			2037	* *	5	$200	
Wiring								
Thermoplastic	100%			2039	* *	1		
Motor Controllers								
Locally Mounted	100%			2034	* *	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2034	* *	1	$2,600	
Generators								
Diesel	100%			2032	* *	1	$3,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : One 60 Kilovolt-ampere								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$300	
Fuel Storage								
Day Tank	30%			2037	* *	5	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room Outside								
Explanation : One 60 Gallon								
Main Tank	70%			2044	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 550 Gallon								
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. 59/ LADDER CO. 30
Asset # : 13047

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	45%			2029	$11,100	10	$3,500	
T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : Basement And 1st Floor								
LED	55%			2039	* *			
Egress Lighting								
Emergency, Service	20%			2029	$900	1		
Emergency, Service	40%			2039	* *	1		
Exit, LED	30%			2069	* *	1		
Exit, Service	10%			2029	$100	1		
Exterior Lighting								
HID	100%			2029	$34,200	10		

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%			2049	* *	1		
Conversion Equipment								
Furnace	5%			2029	$1,000	1	$200	
Hot Water Boiler	95%			2042	* *	1	$4,000	
Distribution								
Ductwork/Diffusers	5%			LIFE	* *	2-5	$200	
Hot Wtr Piping/Pump	95%			2045	* *	4	$400	
Terminal Devices								
Convector/Radiator	90%			2034	* *	1	$2,500	
Unit Heater - Steam	10%			2029	$3,000	4	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Serves Apparatus Floor								
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	75%			2034	* *	2	$400	
Window/Wall Unit	10%			2022	$1,800	1		
No Component	15%							
Distribution								
Ductwork/Diffusers	75%	Now	$7,300	LIFE	* *	2	$8,300	
Other Observation, Extent : Moderate, Area Affected : 25%								
Location : Dormitory								
Explanation : Broken Diffusers								
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. 59/ LADDER CO. 30
Asset # : 13047

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								
Air Handler/Dir Expansion	75%			2034	* *	1		
No Component	25%							
Heat Rejection								
Dry Cooler	75%			2034	* *	2	$4,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 2 Split Units, Refrigerant R-22.								
No Component	25%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$4,700	
Exhaust Fans								
Interior	50%			2024	$15,100	2	$100	
Roof	50%			2034	* *	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2027	$5,200	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$300	4	$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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$31,400		$2,800	
Interior Architecture	$24,800		$1,000	$1,700
Electrical	$600	$300	$400	$2,000
Mechanical	$11,400	$700	$2,300	$800
Total	**$68,200**	**$1,100**	**$6,500**	**$4,500**
Importance Code A	$31,600	$200	$3,100	$200
Importance Code B	$28,100	$800	$3,400	$2,900
Importance Code C	$8,500			$1,400
Total	**$68,200**	**$1,100**	**$6,500**	**$4,500**



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. 6
Asset # : 13005

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	73%			LIFE	* *	5	$36,900	
Masonry: Limestone	20%			LIFE	* *	5	$7,600	
Metal Sect. OHD	5%			2044	* *	5	$3,900	
Granite Panels	2%			LIFE	* *	5	$800	
Windows								
Aluminum	100%			2047	* *	5	$1,400	
Parapets								
Copper/Terne	5%			2051	* *	5	$400	
Masonry: Brick	80%			LIFE	* *	5-10	$8,300	
Metal Rail	5%			2044	* *	5-10	$1,400	
Pre-Cast Concrete	10%			LIFE	* *	5	$1,900	
Roof								
Modified Bitumen	100%			2036	* *	10	$5,500	
Interior								
Floors								
Cast in Place Concrete	25%	4+	$2,100	LIFE	* *	5	$4,100	
Misaligned/Bulging, Extent : Moderate, Area Affected : 10%								
Location : 1st Floor Apparatus Area								
Ceramic Tile	10%			2040	* *	5	$700	
Panel/Paver: Cer/Brk	5%			2039	* *	5	$800	
Sheet Vinyl/Rubber	5%			2031	$11,900	5	$600	
Wood	55%	4+	$2,900	2059	* *	5	$3,900	
Worn/Eroded, Extent : Moderate, Area Affected : 15%								
Location : 2nd Floor								
Interior Walls								
Ceramic Tile	20%			2040	* *	5	$2,700	
Concrete Masonry Unit	20%			LIFE	* *	5	$2,200	
Gypsum Board	40%			LIFE	* *	5-10	$9,300	
SGFT/Glazed Masonry	20%			LIFE	* *	10	$1,400	
Ceilings								
AcousTileSusp.Lay-In	15%			2044	* *	5	$1,100	
Exposed Concrete	25%			LIFE	* *	5-10	$2,300	
Exposed Struc: Steel	10%			LIFE	* *	10	$1,500	
Gypsum Board	45%			LIFE	* *	5-10	$11,600	
Metal Panel	5%			LIFE	* *	5	$900	
Site Pavements								
Public Sidewalk								
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								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room								
Explanation : One 61 Kilowatts								
Batteries								
Lead/Acid	100%			2025	$1,600	5	$200	
Fuel Storage								
Main Tank	100%			2059	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 550 Gallons								
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.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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%			2051	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2044	* *	1	$2,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units								
Distribution								
Hot Wtr Piping/Pump	80%	0-2	$6,200	2056	* *	4	$200	
Controller Not Working, Extent : Severe, Area Affected : 100%								
Location : Throughout. Unable To Control Temperature Leading To Insufficient Heat. Heating Is Centrally Controlled By 9 Metrotech Building. Dedicated In House Controller Needed.								
Hot Wtr Piping/Pump	20%			2047	* *	4	$100	
Terminal Devices								
Convector/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	
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : Roof								
Window/Wall Unit	10%			2029	$1,000	1		
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2	$8,100	
Ventilation								
Exhaust Fans								
Interior	40%			2036	* *	2	$100	
Interior	10%	Now	$1,800	2041	* *	2		
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Kitchen Exhaust Fan Malfunctioning								
Roof	10%	Now	$100	2031	$800	2		
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Women Bathroom, Bathroom Exhaust Van Not Working								
Roof	40%			2031	$3,300	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	* *	1		
Water Heater								
Gas Fired	100%			2029	$3,100	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units 74 Gallons								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	50%			LIFE	* *	1		
Cast Iron	50%	Now	$1,000	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 100%								
Location : First Floor Operation Room								
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	$2,800	1-3	$400	
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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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$229,200	$146,400
Interior Architecture	$91,000	
Total	**$320,200**	**$146,400**
Importance Code A	$229,200	$146,400
Importance Code C	$91,000	
Total	**$320,200**	**$146,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$100,000		$1,400	
Interior Architecture	$53,900		$8,200	
Electrical	$7,700	$800	$1,000	$2,400
Mechanical	$3,300	$2,200	$2,400	$2,700
Site Pavements	$1,300			
Total	**$166,400**	**$3,000**	**$13,000**	**$5,100**
Importance Code A	$101,100	$1,100	$2,500	$1,100
Importance Code B	$57,200	$1,900	$8,100	$4,000
Importance Code C	$8,000		$2,400	
Total	**$166,400**	**$3,000**	**$13,000**	**$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. 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								
Exterior Walls								
Alum/Vinyl Siding	5%			2041	* *	10	$600	
Cast Stone/Terra Cotta	5%	4+	$16,600	LIFE	* *	5	$14,900	
Staining/Discoloring, Extent : Moderate, Area Affected : 20%								
Location : Street Facade								
Masonry: Brick	72%	Now	$176,700	LIFE	* *	5	$27,400	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Rear And Side Walls								
Painted Surfaces, Extent : Moderate, Area Affected : 50%								
Location : East Facade								
Spalling, Extent : Moderate, Area Affected : 20%								
Location : Rear And Side Walls								
Vertical Cracks, Extent : Severe, Area Affected : 5%								
Location : East Facade At Stucco Area								
Other Observation, Extent : Light, Area Affected : 50%								
Location : East Facade								
Explanation : Stucco Over Brick								
Masonry: Granite	5%	0-2	$4,900	LIFE	* *	5	$1,400	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Street Facade								
Masonry: Limestone	5%	4+	$12,300	LIFE	* *	5	$1,400	
Staining/Discoloring, Extent : Moderate, Area Affected : 30%								
Location : Street Facade								
Metal Sect. OHD	5%			2036	* *	5	$6,000	
Metal: Cage/Fence	3%			2036	* *	5	$5,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : At Front Facade Windows								
Explanation : Decorative Iron Picket Railing								
Windows								
Aluminum	80%			2039	* *	5	$2,300	
Aluminum	20%			2039	* *	5	$600	
Recent Repair Evident, Extent : Light, Area Affected : 100%								
Location : Second Floor Windows								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation. Estimates are rounded to the nearest hundred dollars. Maintenance $ are aggregated over a ten-year period. Site specific cost escalations are not included.

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

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	$2,400	LIFE	* *		5	$1,100	
Caulking Deteriorated, Extent : Light, Area Affected : 20%									
Location : Front Facade									
Spalling, Extent : Severe, Area Affected : 10%									
Location : Front Facade									
Cast Stone/Terra Cotta	3%	Now	$11,600	LIFE	* *		5	$700	1
Broken/Missing Elements, Extent : Severe, Area Affected : 20%									
Location : Rear Facade									
Cracking/Crumbling, Extent : Severe, Area Affected : 20%									
Location : Rear Facade									
Other Observation, Extent : Light, Area Affected : 100%									
Location : Main Roof									
Explanation : Terra Cotta Copping									
Masonry: Brick	75%	Now	$52,500	LIFE	* *		5	$2,100	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 15%									
Location : Street Facade									
Spalling, Extent : Severe, Area Affected : 40%									
Location : Interior Parapet Face Throughout									
Masonry: Limestone	7%	Now	$6,700	LIFE	* *		5	$300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 50%									
Location : West Facade Copping									
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%									
Location : Street Facade									
Water Penetration, Extent : Moderate, Area Affected : 10%									
Location : 3rd Floor Bathroom									
Other Observation, Extent : Light, Area Affected : 100%									
Location : Main Roof									
Explanation : Actually Bluestone									
Metal Cornice	10%			2066	* *		10	$900	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Lower Roof Above Dining And Kitchen Area									
Explanation : New Metal Coping									

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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								
Roof								
Built-Up (BUR)	75%	0-2	$14,600	2026	$146,400			
Grvl/Blst Miss/Disp, Extent : Moderate, Area Affected : 10%								
Location : Main Roof								
Worn/Eroded, Extent : Moderate, Area Affected : 10%								
Location : Flashing At Main Roof								
Built-Up (BUR)	5%	Now	$9,800	2041	* *			
Ponding, Extent : Moderate, Area Affected : 15%								
Location : Over Kitchen								
Vegetation Growth, Extent : Moderate, Area Affected : 25%								
Location : Over Kitchen								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Kitchen								
Worn/Eroded, Extent : Moderate, Area Affected : 75%								
Location : Kitchen Roof Throughout								
Modified Bitumen	10%			2039	* *	10	$1,300	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Lower Roof								
Skylight, Metal/Glass	10%	0-2	$21,200	2041	* *			
Deformed/Dented, Extent : Moderate, Area Affected : 20%								
Location : Skylight Components On Main Roof								
Recent Replace Evident, Extent : Light, Area Affected : 30%								
Location : Glass At Skylights								
Interior								
Floors								
Cast in Place Concrete	10%			LIFE	* *	5	$7,700	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Basement								
Cast in Place Concrete	35%			LIFE	* *	5	$27,100	
Ceramic Tile	5%			2034	* *	5	$900	
Quarry Tile	5%			2044	* *	5	$1,300	
Sheet Vinyl/Rubber	25%			2039	* *	5	$6,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Second Floor								
Explanation : Recent Replacement Of New Rubber Tiles								
Wood	20%	2-4	$12,400	2034	* *	5	$3,300	
Patching Evident, Extent : Moderate, Area Affected : 5%								
Location : Third Floor								
Ridging, Extent : Moderate, Area Affected : 10%								
Location : Third Floor								
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : Third Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 20%								
Location : Third Floor								

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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
Interior								
Interior Walls								
Ceramic Tile	20%			2034	* *	5	$4,900	
Glass: Single Pane	8%			LIFE	* *	5	$2,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Second Floor								
Explanation : Officers Rooms								
Gypsum Board	5%			LIFE	* *	5-10	$2,100	
Masonry: Brick	30%	2-4	$91,000	LIFE	* *			
Spalling, Extent : Moderate, Area Affected : 15%								
Location : Basement Vault, Rear And Side Walls								
Plaster	37%	Now	$3,900	LIFE	* *	5	$2,700	
Loose/Delam Surface, Extent : Severe, Area Affected : 5%								
Location : Second Floor Below Window In Officers Room								
Ceilings								
AcousTileSusp.Lay-In	15%			2044	* *	5	$2,700	
Embossed Metal	25%	0-2	$8,300	LIFE	* *	5	$2,000	
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Floor								
Exposed Concrete	10%			LIFE	* *	5-10	$2,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rear Portion Of Basement								
Explanation : Slab Not Replaced								
Exposed Struc: Steel	10%			LIFE	* *	10	$3,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Corrugated Metal Below Apparatus Floor								
Gypsum Board	5%			LIFE	* *	5-10	$3,000	
Plaster	35%	4+	$1,700	LIFE	* *	5	$3,900	
Paint Peeling, Extent : Light, Area Affected : 5%								
Location : Third Floor At Skylights								
Recent Repair Evident, Extent : Light, Area Affected : 100%								
Location : Second Floor Office								
Site Enclosure								
Fence/Gates								
Chain Link	50%			2041	* *			
Chain Link	50%			2041	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Driveway Area								
Explanation : Metal Panels Attached To Chain Link Fence								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	* *			
Parking/Driveway								
Asphalt	100%	0-2	$1,300	2034	* *			
Potholes, Extent : Moderate, Area Affected : 5%								
Location : Driveway								

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FIRE DEPARTMENT - 057
ENGINE CO. 60/ LADDER CO. 17
Asset # : 13048

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		
	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	$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	$300	
Stand-by Power							
Transfer Switches							
Automatic	100%		2044	* *	1	$3,500	
Generators							
Diesel	100%		2040	* *	1	$4,400	
	Other Observation, Extent : Light, Area Affected : 100%						
	Location : Outside						
	Explanation : Emergency Generator Rated At 40 Kilowatts						
Batteries							
Lead/Acid	100%		2025	$1,600	5	$400	
Fuel Storage							
Main Tank	100%		2059	* *	5	$300	
	Other Observation, Extent : Light, Area Affected : 100%						
	Location : Outside The Building						
	Explanation : 50 Gallons Rated Capacity						
Lighting							

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FIRE DEPARTMENT - 057
ENGINE CO. 60/ LADDER CO. 17
Asset # : 13048

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	79%			2036	* *	10	$8,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement, 1st Floor, 2nd Floor								
Explanation : T-8 Lamps								
Fluorescent	20%	Now	$6,500	2041	* *			
Other Observation, Extent : Severe, Area Affected : 100%								
Location : 3rd Floor								
Explanation : Not Functional								
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		
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	$11,100	
Distribution								
Central Plant Steam Piping/Pmp	100%			2041	* *	4	$600	
Terminal Devices								
Convector/Radiator	80%			2036	* *	1	$2,900	
Unit Heater - Steam	20%			2031	$8,000	4	$300	
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Split Unit	20%			2036	* *			
Other Observation, Extent : Light, Area Affected : 20%								
Location : Roof								
Explanation : 2 Units. Split Unit Serves Bunk Area And Kichen. R-410a								
Window/Wall Unit	30%			2026	$7,000	1		
No Component	50%							
Terminal Devices								
Fan Coil - 2 Pipe	20%			2041	* *	1	$700	
No Component	80%							

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FIRE DEPARTMENT - 057
ENGINE CO. 60/ LADDER CO. 17
Asset # : 13048

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								
Heat Rejection								
Dry Cooler	20%			2041	* *	2	$1,600	
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	30%			LIFE	* *	2-5	$3,000	
Other Observation, Extent : Moderate, Area Affected : 25%								
Location : 2nd Floor								
Explanation : Fan Unit In 2nd Floor Bunk Bed Room								
No Component	70%							
Exhaust Fans								
Interior	30%			2031	$12,000	2	$100	
Other Observation, Extent : Moderate, Area Affected : 25%								
Location : 3rd Floor								
Explanation : Exhaust Fan In 3rd Floor Locker Room								
Roof	10%			2031	$1,900	2		
Wall Unit	60%			2031	$2,400	2	$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2026	$6,900	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 75 Gallon Unit								
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%							
Fire Suppression								
Chemical System								
Generic	100%			2026	$27,900	1-3	$4,000	

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$472,400	
Interior Architecture	$39,700	
Electrical		$39,100
Total	**$512,100**	**$39,100**
Importance Code A	$472,400	
Importance Code B	$39,700	$39,100
Total	**$512,100**	**$39,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$56,200		$100	
Interior Architecture	$43,100		$1,800	$300
Electrical	$20,900			$100
Mechanical	$47,600	$1,700	$2,300	$1,300
Total	**$167,900**	**$1,700**	**$4,200**	**$1,700**
Importance Code A	$56,900	$600	$800	$600
Importance Code B	$96,400	$1,000	$2,200	$1,100
Importance Code C	$14,600		$1,200	
Total	**$167,900**	**$1,700**	**$4,200**	**$1,700**



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FIRE DEPARTMENT - 057
ENGINE CO. 62/ LADDER CO. 32
Asset # : 13050

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								
Alum/Vinyl Siding	10%	Now	$9,000	2041	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Siding Missing On North Wall								
Masonry: Brick	70%	Now	$115,100	LIFE	* *	5	$17,900	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 65%								
Location : All Facades								
Masonry: Granite	3%			LIFE	* *	5	$1,100	
Masonry: Limestone	7%	Now	$10,400	LIFE	* *	5	$1,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Window Sills At Main Entrance Facade								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 10%								
Location : Stringcourse								
Staining/Discoloring, Extent : Moderate, Area Affected : 10%								
Location : Front Facade Window Surrounds And Stringcourse								
Metal Sect. OHD	10%	2-4	$8,500	2044	* *	5	$4,000	
Deformed/Dented, Extent : Moderate, Area Affected : 10%								
Location : Front Facade								
Windows								
Aluminum	100%	Now	$9,200	2039	* *	5	$500	
Air Infiltration, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 70%								
Location : Throughout								
Parapets								
Copper/Terne	20%			2051	* *	5	$1,300	
Masonry: Brick	55%	Now	$43,800	LIFE	* *	5	$700	
Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 50%								
Location : Inside Parapet At Roof								
Masonry: Limestone	10%			LIFE	* *	5-10	$1,600	
Metal Cornice	15%	Now	$6,100	2059	* *			1
Corrosion/Rusting, Extent : Severe, Area Affected : 30%								
Location : Cornice And Balustrade Throughout								

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FIRE DEPARTMENT - 057
ENGINE CO. 62/ LADDER CO. 32
Asset # : 13050

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%			2034	* *	10	$100	
Modified Bitumen	65%	Now	$117,200	2041	* *			
Blisters, Extent : Severe, Area Affected : 75%								
Location : Roof								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Gymnasium								
Roll Roofing	20%	Now	$11,000	2033	* *	5	$2,100	
Blisters, Extent : Severe, Area Affected : 75%								
Location : Lower Roof								
Skylight, Metal/Glass	10%	Now	$196,300	2061	* *			1
Water Penetration, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Explanation : Worn And Deteriorated								
Interior								
Floors								
Cast in Place Concrete	50%	Now	$39,700	LIFE	* *	5	$13,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 60%								
Location : 1st Floor And Basement, Apparatus Room								
Uneven Surface, Extent : Moderate, Area Affected : 3%								
Location : 1st Floor And Basement								
Other Observation, Extent : Severe, Area Affected : 50%								
Location : Apparatus Room Floor								
Explanation : Temporary Posts In Cellar To Support Floor								
Ceramic Tile	10%			2034	* *	5	$1,200	
Quarry Tile	5%			2036	* *	5	$900	
Vinyl Tile	20%	2-4	$4,300	2031	$21,600	3	$900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 50%								
Location : 2nd Floor								
Wood	15%			2046	* *	5	$3,400	
Interior Walls								
Ceramic Tile	15%			2034	* *	5	$2,500	
Gypsum Board	20%			LIFE	* *	5-10	$5,600	
Masonry: Brick	25%	Now	$8,500	LIFE	* *			
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Plaster	20%			LIFE	* *	5-10	$2,800	
Plywood/Hardboard	15%			LIFE	* *	10	$200	
SGFT/Glazed Masonry	5%			LIFE	* *	10	$400	

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FIRE DEPARTMENT - 057
ENGINE CO. 62/ LADDER CO. 32
Asset # : 13050

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	15%	Now	$800	2044	* *	5	$900	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : 2nd Floor Various Locations								
Embossed Metal	50%	Now	$14,000	LIFE	* *	5	$2,700	
Bent/Warped Elements, Extent : Moderate, Area Affected : 2%								
Location : Throughout								
Broken/Missing Elements, Extent : Severe, Area Affected : 3%								
Location : West Of Apparatus Room								
Paint Peeling, Extent : Severe, Area Affected : 5%								
Location : 1st Floor								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : 2nd Floor Locker Room								
Exposed Concrete	20%	Now	$8,200	LIFE	* *	5	$400	
Cracking/Crumbling, Extent : Severe, Area Affected : 15%								
Location : Basement								
Plaster	10%			LIFE	* *	5-10	$2,000	
Plywood/Hardboard	5%			2051	* *	1		
Site Pavements								
Public Sidewalk								
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%			2031	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Ampere Main Disconnect Switch								
Raceway								
Conduit	100%			2031	$33,500	1		
Panelboards								
Fused Disc Sw	5%			2030	$2,100	5		
Molded Case Bkrs	95%			2030	$39,100	5	$200	
Wiring								
Braided Cloth	30%	0-2	$8,900	2056	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Thermoplastic	70%			2031	$20,700	1		
Motor Controllers								
Locally Mounted	100%			2029	$15,400	5		
Ground								

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FIRE DEPARTMENT - 057
ENGINE CO. 62/ LADDER CO. 32
Asset # : 13050

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
Ground								
Grounding Devices								
Generic	100%	2-4	$10,200	LIFE	* *	5	$100	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Water Main Basement								
Explanation : Corroded								
Lighting								
Interior Lighting								
Fluorescent	30%			2026	$6,000	10	$1,900	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement								
Incandescent	2%			2026	$900	2		
LED	68%			2036	* *			
Exterior Lighting								
LED	20%			2036	* *			
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%			2051	* *	1		
Conversion Equipment								
Radiant Heater	10%			2036	* *	2	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Serves Gymnasium								
Steam Boiler	90%			2044	* *	1	$6,100	
Other Observation, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Explanation : Unit Only Work For 1 Zone								
Distribution								
Central Plant Steam Piping/Pmp	100%			2057	* *	4	$300	
Terminal Devices								
Convector/Radiator	90%			2036	* *	1	$2,000	
Unit Heater - Steam	10%			2031	$2,500	4	$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. 62/ LADDER CO. 32
Asset # : 13050

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								
Conversion Equipment								
Exterior Pkg Unit - Cooling	30%	Now	$16,700	2041	* *	2	$100	
Abandoned in Place, Extent : Severe, Area Affected : 100%								
Location : Roof								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Roof								
Explanation : Unit Past Useful Life, Not Serviceable								
Split Unit	10%			2031	$14,700			
Window/Wall Unit	40%			2026	$5,700	1		
No Component	20%							
Distribution								
Ductwork/Diffusers	30%	Now	$22,100	LIFE	* *	2	$2,700	
Other Observation, Extent : Severe, Area Affected : 75%								
Location : 2nd Floor								
Explanation : Broken And Missing Elements								
No Component	70%							
Heat Rejection								
Dry Cooler	10%			2036	* *	2	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Split Units Serve Gymnasium								
No Component	90%							
Ventilation								
Exhaust Fans								
Interior	30%	0-2	$7,300	2041	* *	2	$100	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Explanation : Poor Ventilation In Building								
Roof	70%			2036	* *	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2029	$4,200	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : Occasional Sewer Backups In Basement								
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		
System / Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Backflow Preventer								
Generic	5%			2036	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Boiler Only								
Generic	95%			2036	* *	1	$400	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	100%			2029	$27,900	1-3	$4,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Serves Cooking Area								

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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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$44,400
Total		**$44,400**
Importance Code A		$44,400
Total		**$44,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture		$5,700		$25,500
Interior Architecture		$4,000	$900	
Electrical	$500	$700	$2,300	$7,800
Mechanical	$3,100	$700	$4,000	$700
Total	**$3,700**	**$11,100**	**$7,100**	**$33,900**
Importance Code A	$400	$6,100	$400	$25,900
Importance Code B	$3,300	$5,000	$6,800	$8,100
Importance Code C				
Total	**$3,700**	**$11,100**	**$7,100**	**$33,900**



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.
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FIRE DEPARTMENT - 057
ENGINE CO. 63/ LADDER CO. 39
Asset # : 13051

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	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		
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
ENGINE CO. 63/ LADDER CO. 39
Asset # : 13051

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%			2050	* *	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%			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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Right Side Of The Building								
Explanation : Emergency Generator Rated At 81 Kilovolt-ampere								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$300	
Fuel Storage								
Main Tank	100%			2058	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Right Side Of The Building								
Explanation : 54 Gallons Rated Capacity								
Lighting								
Interior Lighting								
Fluorescent	95%			2035	* *	10	$6,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T- 8 Lamps								
Fluorescent	5%			2035	* *	10	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Hallways								
Explanation : Compact Flourescent Lights								
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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Exterior Lighting								
HID	30%			2035	* *	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								
Energy Source								
Natural Gas	100%			2050	* *	1		
Conversion Equipment								
Furnace	60%			2035	* *	1	$2,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 5 Rooftop Units								
Hot Water Boiler	40%			2043	* *	1	$1,500	
Distribution								
Hot Wtr Piping/Pump	40%			2046	* *	4	$200	
No Component	60%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : No Temperature Control In House, Apparatus Floor Is Too Cold.								
Terminal Devices								
Convector/Radiator	35%	0-2	$1,400	2043	* *	1	$800	
Noisy/Vibrating, Extent : Moderate, Area Affected : 15%								
Location : And Leaks At Lunch Room, House Watch Room, 2nd Floor Officer's Locker Room And Girl's Bathroom.								
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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 5 Rooftop Units, R-410a								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2	$9,800	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$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. 63/ LADDER CO. 39
Asset # : 13051

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	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								
Gas Fired	100%			2028	$4,600	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%	0-2	$1,100	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : Clogged At Rear Side Of The Apparatus Floor.								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2024	$300	4	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Duplex Units								
Backflow Preventer								
Generic	100%			2035	* *	1	$500	
Fixtures								
Generic	100%							
Leaking Connections, Extent : Moderate, Area Affected : 2%								
Location : 2nd Floor Chief's Toilet								
Fire Suppression								
Sprinkler								
No Component	70%							
Generic	30%			2050	* *	1-2	$600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Basement Only								
Chemical System								
No Component	99%							
Generic	1%			2028	$300	1-3		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : 1 Set								

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

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **16-Jul-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **3821** **Lot** : **7**	**BIN**	: **2094871**

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$12,600		$8,900	$7,400
Interior Architecture	$32,600	$900	$900	
Electrical			$3,900	$100
Mechanical	$33,100	$500	$26,700	$500
Total	**$78,200**	**$1,400**	**$40,400**	**$8,000**
Importance Code A	$38,800	$400	$9,400	$7,800
Importance Code B	$28,100	$500	$31,100	$200
Importance Code C	$11,300	$500		
Total	**$78,200**	**$1,400**	**$40,400**	**$8,000**



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Estimates are rounded to the nearest hundred dollars.
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FIRE DEPARTMENT - 057
ENGINE CO. 64
Asset # : 13052

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%			LIFE	* *	5	$15,600	
Masonry: Granite	5%			LIFE	* *	5	$800	
Masonry: Limestone	10%			LIFE	* *	5	$1,700	
Wood	5%			2034	* *	5	$5,600	
Wood Overhead Doors	10%			2034	* *	5	$11,200	
Windows								
Aluminum	100%	Now	$11,300	2045	* *	5	$400	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Parapets								
Masonry: Brick	80%			LIFE	* *	5	$1,400	
Masonry: Limestone	10%			LIFE	* *	5	$200	
Metal Cornice	10%			2044	* *	10	$600	
Roof								
Modified Bitumen	75%	4+	$1,200	2034	* *			
Debris Present, Extent : Light, Area Affected : 20%								
Location : Main Roof								
Drains Clogged, Extent : Moderate, Area Affected : 50%								
Location : Main Roof								
Roll Roofing	25%			2025	$6,300	5	$2,400	
Interior								
Floors								
Cast in Place Concrete	30%	Now	$10,100	LIFE	* *	5	$4,000	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : Slab Is Old And Does Not Carry Current Loads - Is Shored Up From Basement								
Ceramic Tile	5%	Now	$600	2038	* *	5	$200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : 2nd Floor Bathrooms, Captain Office Bathroom								
Quarry Tile	10%			2042	* *	5	$900	
Vinyl Tile	50%			2029	$27,500	3	$1,100	
Wood	5%			2044	* *	5	$600	
Interior Walls								
Ceramic Tile	10%			2038	* *	5	$1,100	
Concrete Masonry Unit	5%			LIFE	* *	5	$200	
Gypsum Board	25%			LIFE	* *	5	$1,600	
Masonry: Fieldstone	15%	Now	$11,300	LIFE	* *			
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Explanation : Water Penetration								
Plaster	15%			LIFE	* *	5	$500	
SGFT/Glazed Masonry	30%			LIFE	* *			

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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. 64
Asset # : 13052

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	20%			2034	* *	5	$1,200	
Embossed Metal	70%	0-2	$8,000	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 Concrete	10%	Now	$2,100	LIFE	* *	5	$100	
Loose/Delam Surface, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2039	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2034	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2034	* *			

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%			2039	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2049	* *	5	$100	
Raceway								
Conduit	100%			2049	* *	1		
Panelboards								
Fused Disc Sw	10%			2045	* *	5		
Molded Case Bkrs	90%			2045	* *	5	$100	
Wiring								
Thermoplastic	100%			2049	* *	1		
Motor Controllers								
Locally Mounted	100%			2042	* *	5		
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. 64
Asset # : 13052

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	100%			2034	* *	10	$3,700	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Egress Lighting								
Emergency, Service	60%			2034	* *	1		
Emergency, Battery	10%			2034	* *	10	$100	
Exit, Service	30%			2034	* *	1		
Exterior Lighting								
HID	50%			2034	* *	10		
No Component	50%							

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								
Fuel Oil No 2	100%			2049	* *	5	$1,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Gas Under Construction								
Conversion Equipment								
Steam Boiler	100%	0-2	$26,200	2049	* *	1	$3,600	
Leak Evident, Extent : Moderate, Area Affected : 20%								
Location : Boiler								
Obsolete Equipment, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Unit								
Distribution								
Steam Piping/Pump	100%			2039	* *			
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$1,300	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Split Unit	10%			2024	$8,600			
Window/Wall Unit	50%			2022	$4,200	1		
No Component	40%							
Ventilation								
Exhaust Fans								
Interior	100%			2024	$14,400	2	$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
ENGINE CO. 64
Asset # : 13052

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	10%			2039	* *	1		
Galvanized Steel	90%			2034	* *	1		
Water Heater								
Gas Fired	100%			2024	$2,500	2	$100	
Sanitary Piping								
Cast Iron	100%	Now	$1,500	LIFE	* *	1		
Leak Evident, Extent : Moderate, Area Affected : 10%								
Location : Bathroom Shower In 2nd Floor								
Storm Drain Piping								
Cast Iron	100%	Now	$800	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Sump Pump(s)								
Submersible	100%			2022	$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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$86,200	$98,400
Total	**$86,200**	**$98,400**
Importance Code A	$86,200	$98,400
Total	**$86,200**	**$98,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$46,100			
Interior Architecture	$31,300		$1,200	$300
Electrical	$700	$500	$400	$3,300
Mechanical	$2,300	$800	$1,100	$26,600
Total	**$80,500**	**$1,300**	**$2,700**	**$30,200**
Importance Code A	$46,700	$600	$600	$600
Importance Code B	$30,400	$700	$1,200	$29,600
Importance Code C	$3,400		$900	
Total	**$80,500**	**$1,300**	**$2,700**	**$30,200**



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. 65
Asset # : 13053

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	50%			LIFE	* *	5	$15,300	
Masonry: Limestone	40%	0-2	$86,200	LIFE	* *	5	$9,200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Truck Bay Entrance								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
Location : Front Facade								
Metal Panel	10%			2056	* *	5-10	$21,100	
Windows								
Wood	100%			2052	* *	5	$14,100	
Parapets								
Cast Stone/Terra Cotta	10%	Now	$2,800	LIFE	* *	5	$1,200	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : South Facade								
Masonry: Brick	90%	0-2	$26,400	LIFE	* *	5	$1,400	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : Throughout,South Facade								
Roof								
Asphalt Shingle	1%			2033	* *	10		
Modified Bitumen	99%	Now	$9,800	2030	$98,400			
Ponding, Extent : Moderate, Area Affected : 10%								
Location : Around Roof Drains								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Upper Roof Above Attic And Around Roof Drains								
Soffits								
Masonry: Limestone	100%			LIFE	* *	5		
Interior								
Floors								
Cast in Place Concrete	45%	Now	$1,100	LIFE	* *	5	$9,600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Basement Boiler Room								
Ceramic Tile	5%			2039	* *	5	$500	
Quarry Tile	25%	0-2	$8,200	2043	* *	5	$1,800	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Vinyl Tile	25%	Now	$1,200	2038	* *	3	$900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor And 3rd Floor Corridors And Bunk Room								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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%			2039	* *	5	$1,800	
Masonry: Brick	25%			LIFE	* *			
Plaster	40%	Now	$3,400	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	* *			
Ceilings								
AcousTileSusp.Lay-In	20%	Now	$900	2035	* *	5	$1,000	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Embossed Metal	65%	0-2	$16,600	LIFE	* *	5	$2,900	
Paint Peeling, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Exposed Struc: Steel	15%			LIFE	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2043	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2043	* *			

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%			2040	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : There Is A 200 Amperes Main Disconnect Switch. It Is In Satisfactory Condition.								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2040	* *	5	$200	
Raceway								
Conduit	95%			2040	* *	1		
Conduit	5%			2056	* *	1		
Panelboards								
Fused Disc Sw	5%			2038	* *	5		
Molded Case Bkrs	65%			2038	* *	5	$100	
Molded Case Bkrs	30%			2052	* *	5		
Wiring								
Thermoplastic	40%			2056	* *	1		
Thermoplastic	60%			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
ENGINE CO. 65
Asset # : 13053

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								
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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : A New Diesel Generator Was Installed About 4 Years Ago.								
Batteries								
Lead/Acid	100%			2025	$1,700	5	$200	
Fuel Storage								
Day Tank	50%			2052	* *	5	$500	
Main Tank	50%			2065	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : The 100 Gallons Diesel Tank Is In Good Condition.								
Lighting								
Interior Lighting								
Fluorescent	63%			2030	$11,700	10	$3,400	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Fluorescent	35%			2038	* *	10	$1,900	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement And 1st Floor								
Incandescent	2%			2025	$900	2		
Other Observation, Extent : Light, Area Affected : 100%								
Location : 3rd Floor								
Explanation : Temporary Incandescent Light Installed On A Portion Of The 3rd Floor.								
Egress Lighting								
Emergency, Service	60%			2030	$2,000	1		
Emergency, Battery	40%			2038	* *	10	$600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st And 2nd Floor								
Explanation : Emergency LED Battery Pack Fixtures Have Been Incorporated Into The Emergency Lighting System.								
Exterior Lighting								
HID	100%			2030	$25,900	10		

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. 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
Heating								
Energy Source								
Natural Gas	100%			2050	* *	1		
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Cellar								
Conversion Equipment								
Steam Boiler	100%			2035	* *	1	$5,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Gas Fired Steam Boiler								
Distribution								
Steam Piping/Pump	100%	Now	$600	2040	* *			
Malfunctioning, Extent : Severe, Area Affected : 50%								
Location : Water Hammer From Poorly Pitched Pipe In The Basement								
Terminal Devices								
Convector/Radiator	100%			2035	* *	1	$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2046	* *	1		
Conversion Equipment								
Split Unit	10%			2025	$13,700			
Window/Wall Unit	30%			2025	$4,000	1		
No Component	60%							
Ventilation								
Distribution								
Ductwork/Diffusers	55%			LIFE	* *	2-5	$1,800	
No Component	45%							
Exhaust Fans								
Interior	35%			2025	$8,000	2	$100	
Roof	25%	Now	$300	2035	* *	2		
Malfunctioning, Extent : Moderate, Area Affected : 20%								
Location : Roof, Mechanical And Or Electrical Deficiencies								
No Component	40%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	* *	1		
Water Heater								
Gas Fired	100%			2028	$3,900	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%	Now	$700	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 50%								
Location : Probable Clogged Or Cracked Roof Drain Piping At Northeast Corner Of Roof.								
The Affected Area On The Roof Is Creating Water Damage On Floor Below								

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. 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	$600	1-3	$100	
	Other Observation, Extent : Light, Area Affected : 5%							
	Location : Kitchen							
	Explanation : Kitchen Hood							

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **08-Feb-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **5141** **Lot** : **103**	**BIN**	: **2072355**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$96,700	$152,200
Electrical		$89,200
Total	**$96,700**	**$241,400**
Importance Code A	$96,700	$152,200
Importance Code B		$89,200
Total	**$96,700**	**$241,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$32,600			
Interior Architecture	$19,900	$500	$300	$600
Electrical	$700	$2,400	$8,100	$800
Mechanical	$62,700	$800	$11,000	$1,000
Site Pavements	$8,300			
Total	**$124,300**	**$3,700**	**$19,400**	**$2,500**
Importance Code A	$33,000	$400	$500	$400
Importance Code B	$73,800	$2,800	$18,900	$2,100
Importance Code C	$17,500	$500		
Total	**$124,300**	**$3,700**	**$19,400**	**$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. 66/ LADDER CO. 61
Asset # : 13054

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								
Alum/Vinyl Siding	15%			2049	* *	10	$800	
Concrete Masonry Unit	5%	0-2	$2,000	LIFE	* *	5	$600	
Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
Location : West Side								
Masonry: Brick	70%			LIFE	* *	5	$12,600	
Metal Sect. OHD	10%			2042	* *	5	$5,600	
Windows								
Aluminum	100%	Now	$96,700	2054	* *	5	$1,100	
Air Infiltration, Extent : Moderate, Area Affected : 75%								
Location : Throughout								
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Glazing Broken/Cracked, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Weather Strip Missing, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Parapets								
Metal/Glass Curt Wall	100%	Now	$12,200	2049	* *	5	$4,400	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Explanation : Broken Missing Panels								
Roof								
Asphalt Shingle	10%			2032	* *	10	$200	
Modified Bitumen	90%	0-2	$15,200	2029	$152,200			
Alligatoring, Extent : Moderate, Area Affected : 5%								
Location : Seams Throughout								
Blisters, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Soffits								
Alum/Vinyl Siding	15%	Now	$200	2049	* *			
Deformed/Dented, Extent : Moderate, Area Affected : 10%								
Location : South And Rear Of Building								
No Component	85%							
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. 66/ LADDER CO. 61
Asset # : 13054

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	$3,500	LIFE	* *	5	$13,600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Floor								
Ceramic Tile	5%			2032	* *	5	$600	
Worn/Eroded, Extent : Light, Area Affected : 10%								
Location : Toilets								
Terrazzo	5%			LIFE	* *	5	$500	
Vinyl Tile	40%	Now	$2,300	2034	* *	3	$1,900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Corridor								
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Corridor								
Patching Evident, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Corridor								
Worn/Eroded, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Corridor								
Interior Walls								
Cast in Place Concrete	5%			LIFE	* *			
Ceramic Tile	5%			2038	* *	5	$1,000	
Concrete Masonry Unit	15%	0-2	$3,600	LIFE	* *	5	$1,200	
Vertical Cracks, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor, Stair, Basement								
Plaster	35%			LIFE	* *	5	$2,100	
Plywood/Hardboard	2%			LIFE	* *			
SGFT/Glazed Masonry	38%	4+	$6,400	LIFE	* *			
Other Observation, Extent : Light, Area Affected : 1%								
Location : Apparatus Room								
Explanation : Vertical Crack From Floor To Ceiling Near House Watch								
Ceilings								
AcousTileSusp.Lay-In	5%			2034	* *	5	$600	
Exposed Concrete	45%			LIFE	* *	5	$900	
Gypsum Board	5%			LIFE	* *	5	$800	
Plaster	45%	Now	$3,900	LIFE	* *	5	$3,500	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : 2nd Floor Locker Room At Beam, Apparatus Room Beams And Ceiling								
Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
Location : 2nd Floor Officer Bathroom, Apparatus Room, Roof Hatch								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	2-4	$900	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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%	4+	$1,300	2042	* *			
Sinking/Subsiding, Extent : Light, Area Affected : 5%								
Location : Throughout								
Parking/Driveway								
Asphalt	80%	Now	$3,400	2032	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Sinking/Subsiding, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Cast in Place Concrete	20%	Now	$2,800	2042	* *			
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		
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%			2029	$5,200	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	$52,200	5	$200	
Raceway								
Conduit	95%			2029	$31,800	1		
Conduit	5%			2049	* *	1		
Panelboards								
Molded Case Bkrs	90%			2028	$37,000	5	$200	
Molded Case Bkrs	10%			2045	* *	5		
Wiring								
Thermoplastic	95%			2029	$28,100	1		
Thermoplastic	5%			2049	* *	1		
Motor Controllers								
Locally Mounted	100%			2027	$18,000	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2042	* *	1	$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
ENGINE CO. 66/ LADDER CO. 61
Asset # : 13054

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
Stand-by Power								
Generators								
Diesel	100%			2038	* *	1	$3,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room Outside								
Explanation : One 80 Kilowatt								
Batteries								
Lead/Acid	100%			2023	$1,600	5	$300	
Fuel Storage								
Day Tank	30%			2045	* *	5	$500	
Main Tank	70%			2032	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 550 Gallon								
Lighting								
Interior Lighting								
Fluorescent	95%			2034	* *	10	$7,200	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Incandescent	5%			2029	$2,800	2		
Egress Lighting								
Emergency, Service	70%			2034	* *	1		
Exit, Service	30%			2034	* *	1		
Exterior Lighting								
HID	100%			2034	* *	10		

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%			2049	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2042	* *	1	$4,100	
Distribution								
Hot Wtr Piping/Pump	100%			2037	* *	4	$400	
Terminal Devices								
Convector/Radiator	90%			2034	* *	1	$2,400	
Unit Heater - Steam	10%			2029	$3,000	4	$100	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	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. 66/ LADDER CO. 61
Asset # : 13054

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								
Conversion Equipment								
Exterior Pkg Unit - Cooling	35%	Now	$23,600	2039	* *	2	$100	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Roof								
Explanation : Unit Disassembled With Severely Damaged Or Missing Components								
Window/Wall Unit	50%			2024	$8,700	1		
No Component	15%							
Distribution								
Ductwork/Diffusers	35%	Now	$33,200	LIFE	* *	2	$3,800	
Other Observation, Extent : Severe, Area Affected : 75%								
Location : 2nd Floor								
Explanation : Ductwork Severely Damaged And Missing Components								
No Component	65%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$4,600	
Exhaust Fans								
Roof	100%			2029	$13,800	2	$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	50%			2022	$2,500	2	$100	
Gas Fired	50%	Now	$2,500	2029	$2,500	2		
Leak Evident, Extent : Severe, Area Affected : 100%								
Location : Tank In Basement								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	50%			2029	$600	4	$100	
Submersible	50%			2022	$100	4	$100	
Backflow Preventer								
No Component	95%							
Generic	5%			2034	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Boiler Only								
Fixtures								
Generic	100%							
Fire Suppression								

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. 66/ LADDER CO. 61
Asset # : 13054

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	85%							
Generic	15%			2039	* *	1-2	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Connected To Domestic Water / Serves Half Of Basement								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 : **22-Feb-2018**
Landmark Status : **EXTERIOR LANDMARK**
Areas Surveyed : **Basement, Roof, Floors 1,2,3,Att**
Block : **2126** **Lot** : **34** **BIN** : **1063024**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Interior Architecture	$136,700	
Electrical		$106,500
Total	**$136,700**	**$106,500**
Importance Code B	$136,700	$106,500
Total	**$136,700**	**$106,500**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$27,300		$7,800	
Interior Architecture	$26,700			$100
Electrical	$13,400	$2,300	$26,400	$600
Mechanical	$7,900	$1,200	$15,200	$1,200
Site Enclosure	$800			
Total	**$76,100**	**$3,500**	**$49,400**	**$1,800**
Importance Code A	$27,900	$600	$8,400	$600
Importance Code B	$36,700	$3,000	$41,000	$1,200
Importance Code C	$11,600			
Total	**$76,100**	**$3,500**	**$49,400**	**$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. 67
Asset # : 13055

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 Iron	5%			LIFE	* *			
Masonry: Brick	85%			LIFE	* *	5	$26,300	
Masonry: Limestone	5%			LIFE	* *	5	$1,200	
Wood Overhead Doors	5%			2034	* *	5	$7,700	
Windows								
Aluminum	100%	Now	$14,700	2045	* *	5	$800	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%								
Location : Throughout 3rd Floor, Gymnasium, Kitchen								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Bathroom Window								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	* *	5	$700	
Masonry: Brick	75%			LIFE	* *	5	$1,400	
Metal Rail	20%			2034	* *	5-10	$6,500	
Deteriorated Finish, Extent : Light, Area Affected : 10%								
Location : Rear Side Of Roof								
Roof								
Asphalt Shingle	6%			2032	* *	10	$100	
Metal Panel	2%	Now	$600	2034	* *			
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Around Skylight, Attic								
Modified Bitumen	90%	Now	$8,100	2034	* *			
Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 25%								
Location : Rear Edge Of Roof								
Skylight, Metal/Glass	2%	Now	$3,900	2029	$19,500			
Water Penetration, Extent : Light, Area Affected : 10%								
Location : 3rd Floor Training Room								
Soffits								
Cast Iron	100%			LIFE	* *			
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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*** 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		
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	$2,700	LIFE	* *	5	$4,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Basement								
Ceramic Tile	5%	2-4	$400	2038	* *	5	$200	
Worn/Eroded, Extent : Light, Area Affected : 25%								
Location : Toilets Throughout								
Quarry Tile	5%			2042	* *	5	$600	
Vinyl Tile	10%	4+	$700	2029	$7,400	3	$300	
Worn/Eroded, Extent : Light, Area Affected : 15%								
Location : 3rd Floor								
Wood	50%	Now	$7,100	2057	* *	5	$3,500	
Deteriorated Finish, Extent : Light, Area Affected : 10%								
Location : Throughout								
Dry Rot/Decay, Extent : Moderate, Area Affected : 10%								
Location : 3rd Floor, Attic								
Split/Cracked, Extent : Moderate, Area Affected : 5%								
Location : 3rd Floor, Attic								
Interior Walls								
Ceramic Tile	5%	Now	$900	2032	* *	5	$300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Toilets								
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : Kitchen								
Gypsum Board	10%	0-2	$300	LIFE	* *	5	$700	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Masonry: Brick	5%	0-2	$7,700	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : Basement								
Efflorescence, Extent : Light, Area Affected : 25%								
Location : Basement								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 10%								
Location : Basement								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Plaster	35%	Now	$1,900	LIFE	* *	5	$1,200	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout 2nd And 3rd Floor, Kitchen,								
SGFT/Glazed Masonry	30%			LIFE	* *			
Wood	15%			LIFE	* *	5	$6,800	

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*** 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		
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	$700	2034	* *	5	$700	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Throughout								
Misaligned/Bulging, Extent : Moderate, Area Affected : 2%								
Location : 3rd Floor								
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : Throughout								
Embossed Metal	30%	0-2	$2,300	LIFE	* *	5	$1,000	
Deformed/Dented, Extent : Light, Area Affected : 10%								
Location : Throughout								
Paint Peeling, Extent : Light, Area Affected : 25%								
Location : Apparatus Room								
Exposed Struc: Steel	15%	Now	$136,700	LIFE	* *			
Corrosion/Rusting, Extent : Severe, Area Affected : 50%								
Location : Basement At Oil Fill								
Exposed Struc: Wood	5%			LIFE	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Attic								
Explanation : Attic Exposed Wood Structure								
Plaster	30%	Now	$1,700	LIFE	* *	5	$1,400	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Water Penetration, Extent : Light, Area Affected : 10%								
Location : Throughout								
Site Enclosure								
Fence/Gates								
Chain Link	100%	4+	$800	2039	* *			
Corrosion/Rusting, Extent : Light, Area Affected : 15%								
Location : Rear Yard								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
Other Observation, Extent : Severe, Area Affected : 5%								
Location : Front Of Building								
Explanation : Sidewalk Hatch Rusting And Defecting Under Minimal Weight.								
On-Site Walkways								
Cast in Place Concrete	100%			2034	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Rear Yard								
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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FIRE DEPARTMENT - 057

ENGINE CO. 67

Asset # : 13055

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%			2029	$5,600	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 200 Ampere Main Disconnect Switches								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	$56,700	5	$200	
Raceway								
Conduit	100%			2029	$36,400	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,200	5		
Molded Case Bkrs	30%			2028	$13,400	5		
Molded Case Bkrs	65%			2051	* *	5	$100	
Wiring								
Braided Cloth	40%	2-4	$12,900	2054	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : Basement, 1st Floor, 2nd Floor								
Thermoplastic	60%			2055	* *	1		
Motor Controllers								
Locally Mounted	100%			2027	$16,700	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2042	* *	1	$1,800	
Generators								
Diesel	100%			2038	* *	1	$2,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : One 40 Kilowatt								
Batteries								
Lead/Acid	100%			2023	$1,700	5	$200	
Fuel Storage								
Day Tank	30%			2045	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 75 Gallons								
Main Tank	70%			2057	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 550 Gallon								
Lighting								
Interior Lighting								
LED	100%			2037	* *			

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FIRE DEPARTMENT - 057
ENGINE CO. 67
Asset # : 13055

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								
Egress Lighting								
Exit, Service	60%			2037	* *	1		
No Component	40%							
Exterior Lighting								
HID	100%			2024	$25,900	10		

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%			2059	* *	1		
Conversion Equipment								
Steam Boiler	100%			2049	* *	1	$5,900	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Basement								
Distribution								
Central Plant Steam Piping/Pmp	100%			2039	* *	4	$400	
Terminal Devices								
Convector/Radiator	100%	Now	$1,700	2034	* *	1	$1,700	
Leak Evident, Extent : Moderate, Area Affected : 100%								
Location : Second Floor								
Air Conditioning								
Conversion Equipment								
Window/Wall Unit	100%			2024	$13,400	1		
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$3,300	
Exhaust Fans								
Wall Unit	100%			2029	$2,300	2	$200	
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2034	* *	1		
Water Heater								
Gas Fired	100%			2029	$3,900	2	$100	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Basement								
Sanitary Piping								
Cast Iron	100%	Now	$4,700	LIFE	* *	1		
Leak Evident, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Storm Drain Piping								
Cast Iron	100%	Now	$700	LIFE	* *	1		
Leak Evident, Extent : Moderate, Area Affected : 5%								
Location : 1st Floor, Basement								

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

FIRE DEPARTMENT - 057
ENGINE CO. 67
Asset # : 13055

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								
Sump Pump(s)								
Non-Submersible	100%			2029	$1,000	4	$100	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2027	$30,300	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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$411,800	
Electrical		$151,300
Total	**$411,800**	**$151,300**
Importance Code A	$411,800	
Importance Code B		$151,300
Total	**$411,800**	**$151,300**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$25,600	$300	$2,200	
Interior Architecture	$48,000	$1,100	$1,300	$100
Electrical	$1,200	$700	$2,500	$800
Mechanical	$5,100	$1,800	$2,100	$2,000
Site Enclosure	$6,100			
Total	**$86,000**	**$4,000**	**$8,100**	**$2,900**
Importance Code A	$26,000	$800	$2,600	$500
Importance Code B	$38,200	$3,100	$4,900	$2,400
Importance Code C	$21,700		$700	
Total	**$86,000**	**$4,000**	**$8,100**	**$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.*

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	$8,800	LIFE	* *	5	$9,100	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 5%								
Location : Front Facade Window Sill								
Concrete Masonry Unit	80%	2-4	$164,600	LIFE	* *	5	$11,700	
Cracking/Crumbling, Extent : Light, Area Affected : 1%								
Location : At Overhead Doors And 2nd Floor Front								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Staining/Discoloring, Extent : Moderate, Area Affected : 20%								
Location : Front Facade								
Vegetation Growth, Extent : Moderate, Area Affected : 5%								
Location : South Facade								
Other Observation, Extent : Severe, Area Affected : 15%								
Location : East Facade Wall At Gymnasium								
Explanation : Graffiti								
Masonry: Brick	10%	Now	$3,800	LIFE	* *	5	$2,300	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Front Facade Pier								
Metal Sect. OHD	5%			2044	* *	5	$3,700	
Windows								
Aluminum	95%	Now	$49,700	2056	* *	5	$600	1
Air Infiltration, Extent : Severe, Area Affected : 40%								
Location : Throughout								
Broken/Missing Elements, Extent : Severe, Area Affected : 80%								
Location : Screens Missing Throughout								
Glazing Broken/Cracked, Extent : Moderate, Area Affected : 2%								
Location : Wire Glass At 1st Floor House Watch Room								
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : At Lockers And Sleeping Rooms								
Metal Louvers	5%			2034	* *	10	$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. 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	$2,500	LIFE	* *	5	$1,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Street Facade								
Open Joints, Extent : Severe, Area Affected : 5%								
Location : Street Facade								
Concrete Masonry Unit	80%	Now	$8,400	LIFE	* *	5	$1,700	
Expansion Joint Failure, Extent : Moderate, Area Affected : 5%								
Location : Main Roof								
Horizontal Cracks, Extent : Moderate, Area Affected : 10%								
Location : Main Roof Parapet								
Vegetation Growth, Extent : Moderate, Area Affected : 15%								
Location : Rear Facade								
Vertical Cracks, Extent : Moderate, Area Affected : 20%								
Location : Main Roof Parapet At All Walls								
Worn/Eroded, Extent : Light, Area Affected : 100%								
Location : All Facades								
Other Observation, Extent : Severe, Area Affected : 20%								
Location : Main Roof								
Explanation : Step Cracks Throughout And At Dunnage Connections								
Metal Panel	5%	Now	$800	2041	* *	5	$200	
Loose/Miss Fasteners, Extent : Severe, Area Affected : 10%								
Location : East Facade Coping								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Main Roof								
Explanation : Aluminum Coping								
Metal: Cage/Fence	5%			2048	* *	5-10	$700	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Lower Roof								

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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. 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	$300	2034	* *			
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Highpoint At Roof And Wall Connection								
Modified Bitumen	95%	Now	$197,400	2041	* *			1
Blisters, Extent : Moderate, Area Affected : 10%								
Location : All Roofs								
Drains Inad/Misposn, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Ponding, Extent : Moderate, Area Affected : 25%								
Location : Lower Roof								
Ridging, Extent : Moderate, Area Affected : 15%								
Location : At Parapet Cant Strip								
Seams Open/Split, Extent : Severe, Area Affected : 20%								
Location : At Roof Penetrations And All Perimeter Flashing								
Vegetation Growth, Extent : Severe, Area Affected : 5%								
Location : Below Dunnage Of Main Roof								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Above Kitchen And Officers Office At First Floor								
Soffits								
Stucco Cement	100%	4+	$1,100	2036	* *	5	$900	
Worn/Eroded, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Interior								

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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
Interior								
Floors								
Cast in Place Concrete	40%	4+	$3,400	LIFE	* *	5	$13,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 5%								
Location : At Overhead Doors								
Ceramic Tile	15%	Now	$4,700	2040	* *	5	$1,100	
Drains Inad/Misposn, Extent : Severe, Area Affected : 5%								
Location : Mens Bathroom Shower Area								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Mens Bathroom Shower Area								
Explanation : No Pitch To Drain Was Added								
Quarry Tile	5%	Now	$2,300	2036	* *	5	$600	
Broken/Missing Elements, Extent : Severe, Area Affected : 1%								
Location : Kitchen								
Uneven Substrate, Extent : Severe, Area Affected : 10%								
Location : Kitchen								
Vinyl Tile	5%	Now	$6,900	2041	* *	3	$300	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Sitting Area And Officers Office								
Uneven Substrate, Extent : Moderate, Area Affected : 100%								
Location : Sitting Area And Officers Office								
Vinyl Tile	35%			2039	* *	3	$2,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Second Floor								
Explanation : Actually Rubber Tiles								
Interior Walls								
Ceramic Tile	10%			2044	* *	5	$1,300	
Concrete Masonry Unit	30%	Now	$9,600	LIFE	* *	5	$1,600	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Second Floor Officers Bedrooms								
Gypsum Board	25%			LIFE	* *	5-10	$5,700	
SGFT/Glazed Masonry	35%			LIFE	* *	10	$2,400	
Cracking/Crumbling, Extent : Light, Area Affected : 2%								
Location : Kitchen								

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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
Interior								
Ceilings								
AcousTileSusp.Lay-In	15%			2048	* *	5	$2,300	
AcousTileSusp.Lay-In	5%	2-4	$700	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 Concrete	75%			LIFE	* *	5-10	$14,300	
Gypsum Board	5%			LIFE	* *	5-10	$2,600	
Site Enclosure								
Fence/Gates								
Chain Link	100%	0-2	$600	2041	* *			
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	$5,300	2041	* *			
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : North Freestanding Wall								
Concrete Masonry Unit	5%	2-4	$300	2041	* *			
Water Penetration, Extent : Moderate, Area Affected : 50%								
Location : Copping Stones								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Freestanding Wall								
Explanation : Actually Concrete Coping Stones								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2036	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2036	* *			

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								
Molded Case Bkrs	100%			2031	$5,200	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : Main Service Disconnect Switch Rated At 400 Amperes.								

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FIRE DEPARTMENT - 057
ENGINE CO. 68/ LADDER CO. 49
Asset # : 13056

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								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	$52,200	5	$300	
Raceway								
Conduit	70%			2031	$23,400	1		
Conduit	30%			2051	* *	1		
Panelboards								
Molded Case Bkrs	70%			2030	$28,800	5	$200	
Molded Case Bkrs	30%			2047	* *	5	$100	
Wiring								
Thermoplastic	70%			2031	$20,700	1		
Thermoplastic	30%			2051	* *	1		
Motor Controllers								
Locally Mounted	100%			2036	* *	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$300	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	* *	1	$3,100	
Generators								
Diesel	100%			2027	$70,300	1	$4,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor Mechanical Room								
Explanation : Emergency Generator Rated At 15 Kilowatts								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$400	
Fuel Storage								
Main Tank	100%			2034	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor Mechanical Room								
Explanation : 200 Gallons Rated Capacity								
Lighting								
Interior Lighting								
Fluorescent	59%			2036	* *	10	$5,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : T-8 Lamps								
Fluorescent	1%			2026	$300	10	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Boiler Room								
Explanation : Compact Fluorescent Lights								
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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Exterior Lighting								
HID	20%			2036	* *	10		
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								
Electricity	20%			2041	* *	1		
Natural Gas	80%			2041	* *	1		
Conversion Equipment								
Heat Pump Air Sourced	20%			2035	* *	2	$600	
Other Observation, Extent : Light, Area Affected : 20%								
Location : Roof								
Explanation : 3 Package Units								
Hot Water Boiler	80%			2036	* *	1	$4,000	
Other Observation, Extent : Light, Area Affected : 80%								
Location : Boiler Room								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	80%			2039	* *	4	$600	
No Component	20%							
Terminal Devices								
Convector/Radiator	70%			2036	* *	1	$2,300	
Fan Coil Unit/Heat	20%			2039	* *	1	$700	
Unit Heater - Steam	10%			2031	$3,700	4	$100	
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Heat Pump Air Sourced	20%			2035	* *	2	$100	
Other Observation, Extent : Light, Area Affected : 20%								
Location : Roof								
Explanation : 3 Package Units. R-410a								
Split Unit	10%			2026	$21,800			
R-22 Refrigerant, Extent : Light, Area Affected : 10%								
Location : 1 Unit, Roof								
Window/Wall Unit	30%			2026	$6,400	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2026	$11,700	1	$300	
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	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								
Heat Rejection								
Dry Cooler	10%			2026	$3,300	2	$700	
Dry Cooler	20%			2039	* *	2	$1,400	
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$9,000	
Exhaust Fans								
Roof	100%			2036	* *	2	$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2026	$6,200	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Explanation : Two 75 Gallon Units								
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	
Other Observation, Extent : Light, Area Affected : 10%								
Location : 1st And 2nd Floor								
Explanation : Serves Stairs								
Chemical System								
Wet	100%			2026	$27,900	1-3	$4,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Serves Cooking Area								

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$35,200	$124,700
Interior Architecture	$49,900	
Electrical		$161,600
Mechanical		$203,700
Total	**$85,100**	**$489,900**
Importance Code A	$35,200	$124,700
Importance Code B	$49,900	$365,300
Total	**$85,100**	**$489,900**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$23,100		$32,100	
Interior Architecture	$35,200		$5,400	$1,100
Electrical	$26,400	$800	$900	$1,500
Mechanical	$11,900	$3,500	$29,700	$4,200
Site Pavements	$3,500			
Total	**$100,100**	**$4,200**	**$68,200**	**$6,700**
Importance Code A	$23,700	$600	$32,700	$600
Importance Code B	$63,400	$3,700	$35,500	$5,100
Importance Code C	$13,000			$1,100
Total	**$100,100**	**$4,200**	**$68,200**	**$6,700**



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FIRE DEPARTMENT - 057
ENGINE CO. 69
Asset # : 13057

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	20%			LIFE	* *	5	$15,500	
Masonry: Granite	10%			LIFE	* *	5	$5,800	
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	$12,500	2030	$124,700	5	$1,400	
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 25%								
Location : 2nd, 3rd Front And Back Facade								
Glazing Broken/Cracked, Extent : Severe, Area Affected : 1%								
Location : 3rd Floor Window In Rear Of Building								
Parapets								
Copper/Terne	25%			2066	* *	5	$3,000	
Metal Panel	75%			2051	* *	5	$7,200	
Roof								
Asphalt Shingle	5%			2040	* *	10	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rear Yard								
Explanation : Outdoor Kitchen Surround								
Modified Bitumen	67%			2036	* *	10	$8,100	
Modified Bitumen	20%	4+	$35,200	2041	* *			
Debris Present, Extent : Moderate, Area Affected : 25%								
Location : Lower Roof								
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Lower Roof								
Skylight, Metal/Glass	8%			2051	* *	10	$3,200	
Interior								
Floors								
Cast in Place Concrete	45%			LIFE	* *	5	$34,800	
Quarry Tile	10%			2036	* *	5	$2,700	
Vinyl Tile	45%			2039	* *	3	$3,000	
Interior Walls								
Ceramic Tile	10%			2040	* *	5	$2,200	
Gypsum Board	40%	4+	$3,900	LIFE	* *	5	$5,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Stairwell, Kitchen And Toilet								
Masonry: Brick	15%			LIFE	* *	10	$1,000	
Plaster	35%	Now	$6,700	LIFE	* *	5	$2,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Basement Stair								

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FIRE DEPARTMENT - 057
ENGINE CO. 69
Asset # : 13057

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	50%			2044	* *	5	$8,900	
Exposed Struc: Steel	25%	Now	$49,900	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 : Light, Area Affected : 80%								
Location : Throughout								
Explanation : Material Is Actually Metal Decking								
Plaster	25%	0-2	$6,200	LIFE	* *	5	$2,800	
Worn/Eroded, Extent : Moderate, Area Affected : 15%								
Location : Apparatus Room and Kitchen								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2051	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	$2,100	2044	* *			
Ponding, Extent : Severe, Area Affected : 10%								
Location : Apron End To Apparatus Area								
Parking/Driveway								
Asphalt	100%	4+	$1,400	2040	* *			
Ponding, Extent : Moderate, Area Affected : 5%								
Location : Parking Area								

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								
Molded Case Bkrs	100%			2031	$5,200	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 600 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	$52,200	5	$300	
Raceway								
Conduit	100%			2031	$33,500	1		
Panelboards								
Fused Disc Sw	5%			2030	$2,100	5		
Molded Case Bkrs	95%			2030	$39,100	5	$300	

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FIRE DEPARTMENT - 057
ENGINE CO. 69
Asset # : 13057

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								
Wiring								
Braided Cloth	20%	2-4	$5,900	2056	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Thermoplastic	80%			2031	$23,700	1		
Motor Controllers								
Locally Mounted	100%			2029	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%	2-4	$10,200	LIFE	* *	5	$200	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : Corroded								
Stand-by Power								
Transfer Switches								
Automatic	100%			2029	$5,200	1	$3,500	
Generators								
Diesel	100%			2027	$70,300	1	$4,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : One 62 Kilowatts								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$400	
Fuel Storage								
Day Tank	50%			2030	$400	5	$1,000	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Generator Area Outside								
Explanation : One 50 Gallons								
Main Tank	50%			2034	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 550 Gallons								
Lighting								
Interior Lighting								
Fluorescent	73%			2026	$23,800	10	$7,500	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Fluorescent	2%			2026	$700	10	$200	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Basement								
LED	25%			2039	* *			
Egress Lighting								
Emergency, Service	45%			2026	$2,700	1		
Emergency, Service	5%			2039	* *	1		
Exit, Service	50%			2026	$700	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 69
Asset # : 13057

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								
Exterior Lighting								
HID	20%			2026	$9,100	10		
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								
Plant Campus Steam / PRV	70%	Now	$100	2041	* *	1		
Other Observation, Extent : Moderate, Area Affected : 70%								
Location : Basement								
Explanation : Steam Comes From Adjacent Building Which Is The Police Station. Insulation Insufficient								
Natural Gas	30%			2041	* *	1		
Conversion Equipment								
Furnace	30%			2031	$7,900	1	$1,700	
Other Observation, Extent : Light, Area Affected : 30%								
Location : Roof								
Explanation : 4 Rooftop Gas Fired Heating And Cooling Units								
Heat Exchanger, Plate & Frame	70%			2034	* *	1	$3,900	
Other Observation, Extent : Light, Area Affected : 70%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Central Plant Steam Piping/Pmp	70%	Now	$6,700	2031	$133,300	4	$400	
Malfunctioning, Extent : Severe, Area Affected : 5%								
Location : Throughout. Temperature Control Defective								
No Component	30%							
Terminal Devices								
Convector/Radiator	25%			2036	* *	1	$900	
Convector/Radiator	5%	0-2	$300	2036	* *	1	$200	
Corroded, Extent : Moderate, Area Affected : 50%								
Location : 3rd Floor. Corroded Radiator								
Unit Heater - Steam	40%			2031	$16,100	4	$600	
No Component	30%							
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. 69
Asset # : 13057

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								
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	50%			2031	$70,400	2	$300	
R-22 Refrigerant, Extent : Light, Area Affected : 50%								
Location : 4 Units. Roof								
Window/Wall Unit	10%			2026	$2,300	1		
No Component	40%							
Heat Rejection								
Air Cooled Condenser Unit	100%			2031	$13,600	2	$7,800	
Ventilation								
Distribution								
Ductwork/Diffusers	50%			LIFE	* *	2-5	$5,000	
No Component	50%							
Exhaust Fans								
Roof	55%			2031	$10,300	2	$200	
Wall Unit	25%	Now	$100	2031	$1,000	2	$100	
Malfunctioning, Extent : Severe, Area Affected : 10%								
Location : 1st Floor Operational Area								
Other Observation, Extent : Severe, Area Affected : 20%								
Location : 1st Floor								
Explanation : Air Ventilation Is Poor In 1st Floor Recommending More Wall Units								
No Component	20%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Electric	100%			2029	$9,900	4	$100	
HW Heat Exchanger								
Steam Fired	100%			2041	* *	4	$1,100	
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	80%			LIFE	* *	1		
Cast Iron	20%	0-2	$900	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 100%								
Location : Apparatus Room. Blocked, Clogged Floor Drain								
Sump Pump(s)								
Non-Submersible	100%			2026	$1,700	4	$400	
Fixtures								
Generic	90%							
Generic	10%							
Leaking Faucets/Valves/Heads, Extent : Moderate, Area Affected : 100%								
Location : 3rd Floor Sink Leaking Faucets								
Fire Suppression								
Sprinkler								
Generic	100%			2057	* *	1-2	$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. 69
Asset # : 13057

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								
Fire Pump								
Generic	100%	Now	$400	2034	* *	1	$1,900	
Corroded, Extent : Moderate, Area Affected : 5%								
Location : Leaking In Basement								
Chemical System								
Generic	100%			2024	$27,900	1-3	$4,000	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$424,900	
Interior Architecture	$135,600	
Electrical		$115,100
Mechanical		$176,600
Total	**$560,500**	**$291,700**
Importance Code A	$424,900	$132,800
Importance Code B	$135,600	$158,900
Total	**$560,500**	**$291,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$60,300	$9,700		
Interior Architecture	$99,700	$3,200	$1,700	$1,100
Electrical	$29,400	$1,400	$1,100	$4,900
Mechanical	$9,500	$2,700	$8,700	$3,100
Total	**$198,900**	**$17,000**	**$11,500**	**$9,000**
Importance Code A	$62,100	$11,600	$1,900	$1,900
Importance Code B	$66,900	$5,400	$8,600	$7,100
Importance Code C	$69,900		$1,000	
Total	**$198,900**	**$17,000**	**$11,500**	**$9,000**



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. 7/ LADDER CO. 1/ BATTALION 1
Asset # : 13006

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	$217,900	LIFE	* *	5	$31,100	
Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Rear Wall								
Efflorescence, Extent : Moderate, Area Affected : 10%								
Location : Rear Wall								
Rusting Masonry Supt, Extent : Moderate, Area Affected : 25%								
Location : Rear Wall								
Vertical Cracks, Extent : Moderate, Area Affected : 5%								
Location : Rear Wall								
Masonry: Granite	5%	Now	$15,300	LIFE	* *	5	$1,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Truck Bay Doors								
Masonry: Limestone	10%	2-4	$62,600	LIFE	* *	5	$3,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Front Wall								
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 15%								
Location : Front Wall								
Metal Sect. OHD	10%			2043	* *	5	$13,900	
Stucco Cement	5%			2043	* *	5	$5,600	
Windows								
Aluminum	100%	Now	$15,300	2046	* *	5	$1,600	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%								
Location : 3rd Floor In Gymnasium								
Parapets								
Masonry: Brick	85%	2-4	$8,900	LIFE	* *	5	$2,700	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Front Facade								
Worn/Eroded, Extent : Moderate, Area Affected : 30%								
Location : Throughout.								
Masonry: Limestone	15%	0-2	$4,300	LIFE	* *	5	$600	
Caulking Deteriorated, Extent : Moderate, Area Affected : 50%								
Location : Roof								
Roof								
Modified Bitumen	95%	Now	$144,400	2035	* *			
Debris Present, Extent : Light, Area Affected : 5%								
Location : At Drains								
Drains Clogged, Extent : Light, Area Affected : 2%								
Location : Over Kitchen Roof								
Ponding, Extent : Moderate, Area Affected : 10%								
Location : At Drain And Exhaust Fan								
Skylight, Metal/Glass	5%	Now	$16,500	2050	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Middle Of 2 Skylights								
Corrosion/Rusting, Extent : Moderate, Area Affected : 10%								
Location : Hose Tower								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future 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. 7/ LADDER CO. 1/ BATTALION 1

Asset # : 13006

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	35%			LIFE	* *	5	$21,600	
Ceramic Tile	5%			2039	* *	5	$1,400	
Quarry Tile	5%			2043	* *	5	$2,100	
Vinyl Tile	10%	Now	$2,800	2035	* *	3	$1,100	
Broken/Missing Elements, Extent : Severe, Area Affected : 15%								
Location : Throughout 2nd Floor								
Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 15%								
Location : Throughout 2nd Floor								
Vinyl Tile 9" X 9"	20%	Now	$72,300	2040	* *	3	$2,100	
Adhesion Failure, Extent : Moderate, Area Affected : 10%								
Location : Throughout 3rd Floor								
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : Throughout 3rd Floor								
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Throughout 3rd Floor								
Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%								
Location : Throughout 3rd Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : Throughout 3rd Floor								
Wood	25%	0-2	$27,000	2045	* *	5	$6,600	
Deteriorated Finish, Extent : Light, Area Affected : 10%								
Location : Throughout Corridor And Bunk Room.								
Dry Rot/Decay, Extent : Moderate, Area Affected : 5%								
Location : Throughout Corridor And Bunk Room.								
Misaligned/Bulging, Extent : Moderate, Area Affected : 5%								
Location : Throughout Corridor And Bunk Room.								
Split/Cracked, Extent : Moderate, Area Affected : 5%								
Location : Throughout Corridor And Bunk Room.								
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	$26,400	LIFE	* *			
Diagonal Cracks, Extent : Moderate, Area Affected : 100%								
Location : Cellar								
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : North Wall Basement								
Plaster	30%	Now	$21,700	LIFE	* *	5	$3,500	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : 3rd Floor, Front Wall								
SGFT/Glazed Masonry	25%	Now	$21,800	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Floor.								
Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Room								

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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. 7/ LADDER CO. 1/ BATTALION 1
Asset # : 13006

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	15%			2043	* *	5	$4,200	
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : Various Locations Throughout								
Embossed Metal	55%	Now	$63,400	LIFE	* *	5	$7,000	
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	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2043	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2035	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2043	* *			

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%			2040	* *	5	$100	
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	$29,100	1		
Conduit	20%			2040	* *	1		
Recent Installation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Panelboards								
Molded Case Bkrs	75%			2038	* *	5	$400	
Molded Case Bkrs	25%			2038	* *	5	$100	
Wiring								
Braided Cloth	20%	0-2	$6,400	2055	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Thermoplastic	60%			2040	* *	1		
Thermoplastic	20%			2040	* *	1		
Motor Controllers								
Locally Mounted	100%			2035	* *	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.
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FIRE DEPARTMENT - 057
ENGINE CO. 7/ LADDER CO. 1/ BATTALION 1
Asset # : 13006

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
Ground								
Grounding Devices								
Generic	100%	0-2	$11,000	LIFE	* *	5	$300	
Corroded, Extent : Light, Area Affected : 100%								
Location : Basement								
Stand-by Power								
Transfer Switches								
Automatic	100%			2043	* *	1	$5,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : The Transfer Switch Is In Good Condition.								
Lighting								
Interior Lighting								
Fluorescent	75%			2030	$44,600	10	$13,000	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement, 1st Floor, 2nd Floor, 3rd Floor								
Fluorescent	20%			2035	* *	10	$3,500	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : 3rd Floor								
HID	5%			2030	$1,100	10		
Other Observation, Extent : Light, Area Affected : 30%								
Location : 1st Floor								
Explanation : HID Fixtures Are Installed In The Apparatus Room.								
Egress Lighting								
Emergency, Battery	10%			2030	$3,000	10	$500	
Recent Installation, Extent : Moderate, Area Affected : 100%								
Location : 3rd Floor								
Exit, Service	80%			2030	$1,900	1		
Exit, Battery	10%			2030	$800	10	$100	
Recent Installation, Extent : Moderate, Area Affected : 100%								
Location : 3rd Floor								
Exterior Lighting								
HID	50%			2030	$41,400	10		
No Component	50%							
Alarm								
Fire/Smoke Detection								
No Component	50%							
Generic, Analog	50%	Now	$11,300	2040	* *	1-3	$5,300	
Devices Missing, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Local/Battery Operated Detect, Extent : Light, Area Affected : 100%								
Location : All Floors								

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								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future 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. 7/ LADDER CO. 1/ BATTALION 1
Asset # : 13006

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%			2050	* *	1		
Conversion Equipment								
Steam Boiler	100%			2028	$132,800	1	$18,700	
Distribution								
Central Plant Steam Piping/Pmp	100%	0-2	$6,900	2040	* *	4	$900	
Leak Evident, Extent : Moderate, Area Affected : 2%								
Location : Basement								
Terminal Devices								
Convector/Radiator	100%			2035	* *	1	$6,100	
Air Conditioning								
Energy Source								
Electricity	100%			2046	* *	1		
Conversion Equipment								
Split Unit	10%			2030	$43,800			
Window/Wall Unit	40%			2028	$17,100	1		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 1st, 2nd And 3rd Floors								
Explanation : 30 Percent New, 70 Percent Old								
No Component	50%							
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2	$24,600	
Abandoned in Place, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Heat Rejection								
No Component	90%							
No Component	10%							
Ventilation								
Exhaust Fans								
Roof	5%			2030	$1,700	2		
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Kitchen Exhaust								
No Component	95%							
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2035	* *	1		
Water Heater								
Gas Fired	100%			2028	$12,500	2	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 74 Gallon Units								
Sanitary Piping								
Cast Iron	100%			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. 7/ LADDER CO. 1/ BATTALION 1
Asset # : 13006

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								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Corroded, Extent : Light, Area Affected : 10%								
Location : Basement								
Sump Pump(s)								
Non-Submersible	100%			2035	* *	4	$600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Duplex Unit								
Backflow Preventer								
No Component	90%							
Generic	10%			2038	* *	1	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Boiler Room								
Explanation : At Boiler Only								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	2%			2025	$600	1-3	$100	
Other Observation, Extent : Light, Area Affected : 2%								
Location : 1st Floor								
Explanation : Over Kitchen Hood								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **13-Jul-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **5642** **Lot** : **118**	**BIN**	: **2082474**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$80,100
Interior Architecture	$57,800	
Electrical		$85,100
Mechanical		$51,500
Total	**$57,800**	**$216,700**
Importance Code A		$80,100
Importance Code B	$57,800	$136,600
Total	**$57,800**	**$216,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$15,400		$6,000	
Interior Architecture	$39,800	$400		$500
Electrical	$33,000	$100	$4,000	
Mechanical	$15,000	$900	$5,700	$900
Site Enclosure	$500			
Total	**$103,700**	**$1,300**	**$15,700**	**$1,400**
Importance Code A	$16,100	$700	$6,800	$700
Importance Code B	$87,600	$300	$8,900	$700
Importance Code C		$400		
Total	**$103,700**	**$1,300**	**$15,700**	**$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.
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FIRE DEPARTMENT - 057
ENGINE CO. 70/ LADDER CO. 53
Asset # : 13058

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	82%			LIFE	* *	5	$19,400	
Masonry: Granite	3%			LIFE	* *	5	$500	
Masonry: Limestone	5%			LIFE	* *	5	$900	
Wood Overhead Doors	10%			2027	$80,100	5	$11,900	
Windows								
Aluminum	100%	Now	$9,400	2037	* *	5	$1,100	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 40%								
Location : Throughout								
Weather Strip Missing, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Roof								
Asphalt Shingle	100%			2038	* *	10	$2,000	
Soffits								
Wood	100%			2034	* *	5	$12,000	
Interior								
Floors								
Cast in Place Concrete	50%	Now	$57,800	LIFE	* *	5	$11,400	
Other Observation, Extent : Moderate, Area Affected : 50%								
Location : Apparatus Room								
Explanation : Steel Columns In Basement Are Shoring Up Apparatus Room Floor								
Ceramic Tile	5%	Now	$1,100	2038	* *	5	$300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Bathrooms								
Terrazzo	10%	Now	$25,800	LIFE	* *	5	$800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Shower Stall Area And 2nd Floor Bathroom								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Shower Stall Area And 2nd Floor Bathroom								
Vinyl Tile	35%	4+	$700	2029	$33,100	3	$1,400	
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%								
Location : 2nd Floor Locker Room								
Interior Walls								
Cast in Place Concrete	23%			LIFE	* *			
Ceramic Tile	5%			2038	* *	5	$700	
Marble Panels	2%			LIFE	* *			
Plaster	45%			LIFE	* *	5	$1,900	
SGFT/Glazed Masonry	25%			LIFE	* *			

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FIRE DEPARTMENT - 057
ENGINE CO. 70/ LADDER CO. 53
Asset # : 13058

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	5%	Now	$1,300	2046	* *	5	$300	
Broken/Missing Elements, Extent : Severe, Area Affected : 40%								
Location : 2nd Floor Office And Dining Room								
Exposed Concrete	20%			LIFE	* *	5	$300	
Plaster	75%	4+	$10,900	LIFE	* *	5	$4,900	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : 2nd Floor Locker Room And Office								
Paint Peeling, Extent : Moderate, Area Affected : 15%								
Location : Locker Room And Apparatus Room								
Water Penetration, Extent : Moderate, Area Affected : 2%								
Location : 2nd Floor Office								
Site Enclosure								
Fence/Gates								
Chain Link	50%			2039	* *			
Wood	50%			2027	$14,700			
Retaining Walls								
Cast in Place Concrete	100%	Now	$500	2079	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : At Entry To Alleyway								
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : 3 Foot High Retaining Wall Has Minor Vertical Cracks At Several Locations								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2034	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2034	* *			
Parking/Driveway								
Under Construction	100%							
Activity Yard								
Cast in Place Concrete	100%			2034	* *			

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								
Molded Case Bkrs	100%			2029	$5,200	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Main Electrical Area								
Explanation : 200 Ampere Circuit Breaker In Main Distribution Panel								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	$52,200	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Main Electrical Area								
Explanation : Showing Wear Due To Regular Usage								

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FIRE DEPARTMENT - 057
ENGINE CO. 70/ LADDER CO. 53
Asset # : 13058

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								
Raceway								
Conduit	100%			2039	* *	1		
Panelboards								
Molded Case Bkrs	55%			2028	$22,600	5	$100	
Molded Case Bkrs	20%			2045	* *	5		
Molded Case Bkrs	25%	Now	$2,100	2028	$10,300	5		
Mech. Misoperation, Extent : Moderate, Area Affected : 100%								
Location : Weight Room								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement Main Electrical Area								
Explanation : One Panel Trim Is Missing								
Wiring								
Braided Cloth	70%	2-4	$20,700	2054	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Thermoplastic	20%			2039	* *	1		
Thermoplastic	10%			2049	* *	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor Roll Up Gate								
Explanation : Showing Wear Due To Regular Usage								
Ground								
Grounding Devices								
Generic	100%	4+	$10,200	LIFE	* *	5	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement, Main Water Service								
Explanation : Ground Conductors Terminations And Conduits Are Rusted								
Stand-by Power								
Transfer Switches								
Under Construction	100%							
Generators								
Under Construction	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Outside								
Explanation : 75 Kilovolt-ampere Diesel								
Batteries								
Not Accessible	100%							
Fuel Storage								
Under Construction	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Outside								
Explanation : 120 Gallon Day Tank								
Lighting								

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FIRE DEPARTMENT - 057
ENGINE CO. 70/ LADDER CO. 53
Asset # : 13058

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	38%			2029	$7,600	10	$2,400	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Fluorescent	60%			2034	* *	10	$3,800	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Incandescent	2%			2029	$900	2		
Egress Lighting								
Emergency, Battery	50%			2029	$5,000	10	$800	
Exit, Battery	50%			2029	$1,300	10	$200	
Exterior Lighting								
HID	50%			2034	* *	10		
No Component	50%							

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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2034	* *	1	$6,900	
Distribution								
Steam Piping/Pump	100%			2039	* *			
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$2,200	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Window/Wall Unit	80%			2022	$11,500	1		
No Component	20%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2029	$51,500	1		
Water Heater								
Gas Fired	100%			2024	$4,200	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 - 74 Gallon Units								
Sanitary Piping								
Cast Iron	100%	Now	$2,500	LIFE	* *	1		
Leak Evident, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Showers Leak Over Kitchen								

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FIRE DEPARTMENT - 057
ENGINE CO. 70/ LADDER CO. 53
Asset # : 13058

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								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
Obsolete Fixtures, Extent : Moderate, Area Affected : 100%								
Location : Bathrooms								
Fire Suppression								
Chemical System								
No Component	98%							
Generic	2%			2024	$600	1-3	$100	
Other Observation, Extent : Light, Area Affected : 5%								
Location : Kitchen								
Explanation : Kitchen Hood								

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$321,100	$229,100
Interior Architecture	$38,500	
Electrical		$4,100
Mechanical		$89,800
Total	**$359,600**	**$323,000**
Importance Code A	$321,100	$318,900
Importance Code B		$4,100
Importance Code C	$38,500	
Total	**$359,600**	**$323,000**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$27,800		$1,500	
Interior Architecture	$62,100	$2,200	$2,000	
Electrical	$1,500	$800	$2,600	$800
Mechanical	$35,900	$1,500	$1,600	$1,700
Site Enclosure	$3,500			
Site Pavements	$10,000			
Total	**$140,800**	**$4,400**	**$7,700**	**$2,500**
Importance Code A	$45,700	$600	$2,100	$600
Importance Code B	$70,400	$3,900	$5,000	$1,900
Importance Code C	$24,600		$600	
Total	**$140,800**	**$4,400**	**$7,700**	**$2,500**



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FIRE DEPARTMENT - 057
ENGINE CO. 71/ LADDER CO. 55/ DIVISION 6
Asset # : 13059

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 Cavity	10%	2-4	$21,100	LIFE	* *	5	$1,800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : At Sides Of Overhead Doors And Side Facade								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : All Facades								
Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 10%								
Location : At Sides Of Overhead Doors And Side Facade								
Caulking Deteriorated, Extent : Moderate, Area Affected : 20%								
Location : At Window Openings Throughout								
Masonry: Brick Cavity	80%	4+	$56,200	LIFE	* *	5	$14,100	
Staining/Discoloring, Extent : Moderate, Area Affected : 25%								
Location : Perimeter Walls								
Worn/Eroded, Extent : Moderate, Area Affected : 15%								
Location : Perimeter Walls								
Wood Overhead Doors	10%	Now	$59,300	2051	* *	5	$4,400	
Deteriorated Finish, Extent : Severe, Area Affected : 40%								
Location : Apparatus Doors								
Loose/Miss Fasteners, Extent : Severe, Area Affected : 20%								
Location : Apparatus Doors								
Other Observation, Extent : Severe, Area Affected : 60%								
Location : Apparatus Doors								
Explanation : Repair Evident, Constant Repairs								
Windows								
Aluminum	95%	Now	$184,500	2056	* *	5	$2,100	
Condensation Present, Extent : Moderate, Area Affected : 10%								
Location : House Watch Window								
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 80%								
Location : On Sawtooth Section								
Metal Louvers	5%			2034	* *	10	$1,400	
Parapets								
Masonry: Brick Cavity	30%			LIFE	* *	5-10	$4,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Parapet Walls								
Explanation : Covered With Roofing								
Metal Panel	70%	0-2	$5,900	2041	* *	5	$2,800	
Caulking Deteriorated, Extent : Moderate, Area Affected : 50%								
Location : Metal Coping Caulk Joints Failing Throughout								

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FIRE DEPARTMENT - 057
ENGINE CO. 71/ LADDER CO. 55/ DIVISION 6
Asset # : 13059

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%			2034	* *	10	$200	
Built-Up (BUR)	70%	0-2	$11,500	2031	$229,100			
Debris on Roof, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Grvl/Blst Miss/Disp, Extent : Moderate, Area Affected : 30%								
Location : Center Section Of Flat Roof								
Metal Panel	25%	0-2	$6,800	2036	* *			
Caulking Deteriorated, Extent : Moderate, Area Affected : 5%								
Location : Cap Joints At Metal Panels								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : 1st Floor Open Area								
Soffits								
Stucco Cement	100%			2044	* *	5		
Interior								
Floors								
Cast in Place Concrete	25%			LIFE	* *	5	$19,100	
Cast in Place Concrete	20%	Now	$7,700	LIFE	* *	5	$7,600	
Cracking/Crumbling, Extent : Severe, Area Affected : 15%								
Location : Cellar And Concrete Threshold Of Overhead Door								
Water Penetration, Extent : Severe, Area Affected : 15%								
Location : Communications Room In Cellar And Apparatus Room								
Other Observation, Extent : Severe, Area Affected : 30%								
Location : Due To Ground Water Backup Through Floor Drains								
Explanation : Water Damage In Basement, Damage To Base Of Door And Frame								
Ceramic Tile	1%			2034	* *	5	$200	
Ceramic Tile	4%			2044	* *	5	$700	
Recent Installation, Extent : Light, Area Affected : 75%								
Location : Toilet Rooms								
Sheet Vinyl/Rubber	5%			2036	* *	5	$1,300	
Vinyl Tile	45%			2036	* *	3	$2,900	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor Vinyl Tiles								
Explanation : Reports Of Difficult To Clean								
Interior Walls								
Ceramic Tile	1%			2034	* *	5	$200	
Ceramic Tile	4%			2044	* *	5	$900	
Recent Construction, Extent : Light, Area Affected : 40%								
Location : Toilet Rooms								
Concrete Masonry Unit	35%	Now	$38,500	LIFE	* *	5	$3,200	
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Basement Walls And Ground Water Penetration								
Gypsum Board	30%			LIFE	* *	5-10	$11,800	
SGFT/Glazed Masonry	30%			LIFE	* *	10	$3,500	

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FIRE DEPARTMENT - 057
ENGINE CO. 71/ LADDER CO. 55/ DIVISION 6
Asset # : 13059

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	15%	4+	$500	2044	* *	5	$1,300	
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Room 113								
AcousTileSusp.Lay-In	25%			2048	* *	5	$4,400	
Recent Installation, Extent : Light, Area Affected : 5%								
Location : 2nd Floor								
Exposed Struc: Steel	40%	Now	$31,400	LIFE	* *			
Corrosion/Rusting, Extent : Severe, Area Affected : 10%								
Location : Apparatus Room								
Paint Peeling, Extent : Severe, Area Affected : 70%								
Location : Apparatus Room								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Apparatus Room								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Metal Decking								
Gypsum Board	20%	4+	$1,900	LIFE	* *	5	$4,400	
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Mens Locker Room								
Site Enclosure								
Fence/Gates								
Aluminum Picket	50%	Now	$3,500	2051	* *			
Other Observation, Extent : Severe, Area Affected : 80%								
Location : Fence Curb								
Explanation : Concrete Curb Cracking And Crumbling								
Chain Link	50%			2051	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	* *			
Parking/Driveway								
Asphalt	100%	Now	$10,000	2040	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Parking Lot								
Ponding, Extent : Severe, Area Affected : 20%								
Location : Parking Lot								
Sinking/Subsiding, Extent : Severe, Area Affected : 10%								
Location : Parking Lot								

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								

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FIRE DEPARTMENT - 057
ENGINE CO. 71/ LADDER CO. 55/ DIVISION 6
Asset # : 13059

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								
Molded Case Bkrs	100%			2041	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : Main Service Disconnect Switch Rated At 600 Amperes.								
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	$4,100	5		
Wiring								
Thermoplastic	100%			2041	* *	1		
Motor Controllers								
Locally Mounted	100%			2029	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$300	
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	* *	1	$3,600	
Generators								
Diesel	100%			2034	* *	1	$4,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Emergency Generator Rated At 50 Kilowatts								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$400	
Fuel Storage								
Day Tank	5%			2039	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room								
Explanation : 25 Gallons Rated Capacity								
Main Tank	95%			2046	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Underground								
Explanation : 600 Gallons Rated Capacity								
Lighting								

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FIRE DEPARTMENT - 057
ENGINE CO. 71/ LADDER CO. 55/ DIVISION 6
Asset # : 13059

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	95%			2031	$32,100	10	$10,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Fluorescent	2%			2031	$700	10	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Hallways								
Explanation : Compact Fluorescent Lamps								
Fluorescent	1%	Now	$300	2041	* *			
Malfunctioning, Extent : Severe, Area Affected : 100%								
Location : Kitchen								
LED	2%			2039	* *			
Egress Lighting								
Emergency, Service	50%			2031	$3,100	1		
Exit, Service	50%			2031	$700	1		
Exterior Lighting								
HID	20%			2031	$9,400	10		
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%			2041	* *	1		
Conversion Equipment								
Hot Water Boiler	100%	0-2	$18,000	2029	$89,800	1	$5,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Boiler Replacement Is Recommended Due To Frequent Breakdown And Age Of The Boiler								
Explanation : 3 Units								
Distribution								
Hot Wtr Piping/Pump	100%			2039	* *	4	$900	
Terminal Devices								
Convector/Radiator	50%			2029	$31,200	1	$1,900	
Unit Heater - Steam	50%	0-2	$4,200	2026	$20,800	4	$500	
Unit Inoperable, Extent : Moderate, Area Affected : 100%								
Location : Unit Heater In Apparatus Room Not Workng								
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Window/Wall Unit	60%			2029	$14,600	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		
System / Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
Distribution								
Ductwork/Diffusers	50%			LIFE	* *	2-5	$5,100	
No Component	50%							
Exhaust Fans								
Roof	50%	0-2	$1,900	2031	$9,700	2	$100	
Malfunctioning, Extent : Moderate, Area Affected : 50%								
Location : One Roof Exhaust Fan								
Wall Unit	50%			2031	$2,100	2	$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%	Now	$4,300	2041	* *	1		
Corroded, Extent : Moderate, Area Affected : 5%								
Location : Water Main Valve, Basement								
Water Heater								
Gas Fired	100%			2029	$7,100	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 74 Gallon Units								
Sanitary Piping								
Cast Iron	100%	Now	$4,300	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 5%								
Location : Basement At Melrose Avenue Side. Frequent Sewer Backup. Drainage Problem At The Apparatus Room								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%	0-2	$400	2031	$1,800	4	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Unit Malfunctioning								
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	85%							
Generic	15%			2031	$17,100	1-2	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement And 2nd Floor								
Explanation : Serves Partial Basement And 2nd Floor Corridor								
Chemical System								
Wet	100%			2026	$27,900	1-3	$4,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Serves Cooking Area								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 : **16-Jul-2018**
Landmark Status : **NONE**
Areas Surveyed : **Basement, Roof, Floors 1,2**
Block : **5443** **Lot** : **170** **BIN** : **2077258**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$196,200	$176,300
Interior Architecture		$46,700
Total	**$196,200**	**$223,100**
Importance Code A	$196,200	$176,300
Importance Code B		$46,700
Total	**$196,200**	**$223,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$28,300		$19,700	
Interior Architecture	$11,000	$900		
Electrical	$900	$2,300	$2,700	$600
Mechanical	$18,900	$600	$45,000	$700
Site Enclosure	$100			
Site Pavements	$4,200			$100
Total	**$63,400**	**$3,800**	**$67,400**	**$1,400**
Importance Code A	$29,500	$400	$20,100	$400
Importance Code B	$24,300	$3,000	$47,300	$900
Importance Code C	$9,600	$400		$100
Total	**$63,400**	**$3,800**	**$67,400**	**$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.
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FIRE DEPARTMENT - 057
ENGINE CO. 72
Asset # : 13060

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	10%			LIFE	* *	5	$10,400	
Masonry: Brick	80%	Now	$160,900	LIFE	* *	5	$16,600	1
Cracking/Crumbling, Extent : Severe, Area Affected : 25%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 70%								
Location : Throughout								
Loose Units, Extent : Severe, Area Affected : 15%								
Location : Throughout								
Vertical Cracks, Extent : Severe, Area Affected : 15%								
Location : Throughout								
Metal Sect. OHD	5%			2042	* *	5	$3,300	
Window Wall	5%			2039	* *	5	$3,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Inner Courtyard								
Explanation : Storefront Glazing Assembly								
Windows								
Aluminum	100%	Now	$26,700	2037	* *	5	$1,500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 50%								
Location : Screens Throughout								
Glazing Broken/Cracked, Extent : Severe, Area Affected : 10%								
Location : 1st Floor Side And Rear, 2nd Floor Dormitory And Court								
Parapets								
Metal Panel	60%			2039	* *	5	$7,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : At Roof								
Explanation : Metal Coping								
Metal Rail	40%			2034	* *	5-10	$23,100	
Roof								
Modified Bitumen	95%	0-2	$35,300	2029	$176,300			
Blisters, Extent : Moderate, Area Affected : 25%								
Location : Main Roof								
Patching Evident, Extent : Moderate, Area Affected : 20%								
Location : Main Roof								
Ponding, Extent : Moderate, Area Affected : 10%								
Location : Main Roof								
Skylight, Plastic	5%			2034	* *	1		
Soffits								
Stucco Cement	100%			2042	* *	5		
Interior								

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. 72
Asset # : 13060

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	60%	Now	$4,000	LIFE	* *	5	$15,800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : Apparatus Floor Entrance								
Uneven Substrate, Extent : Moderate, Area Affected : 2%								
Location : Apparatus Floor Entrance								
Ceramic Tile	2%			2042	* *	5	$200	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor Bathroom								
Mosaic Tile	3%	Now	$1,200	2034	* *	5	$500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Main Bathroom								
Quarry Tile	2%			2042	* *	5	$400	
Vinyl Tile 9" X 9"	33%			2029	$46,700	3	$1,500	
Interior Walls								
Cast in Place Concrete	10%	4+	$5,200	LIFE	* *			
Water Penetration, Extent : Severe, Area Affected : 2%								
Location : Front Of Cellar								
Ceramic Tile	5%			2038	* *	5	$800	
Concrete Masonry Unit	60%			LIFE	* *	5	$3,700	
Gypsum Board	5%			LIFE	* *	5	$500	
SGFT/Glazed Masonry	20%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	5%			2027	$5,200	5	$600	
Exposed Concrete	70%			LIFE	* *	5	$1,300	
Plaster	25%			LIFE	* *	5	$1,900	
Site Enclosure								
Fence/Gates								
Cast in Place Concrete	20%	Now	$100	2049	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : East Side Of Building								
Chain Link	65%			2039	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Wood	15%			2027	$5,300			
Free Standing Walls								
Concrete Masonry Unit	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2034	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Throughout								

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. 72
Asset # : 13060

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								
On-Site Walkways								
Asphalt	25%			2032	* *			
Cast in Place Concrete	25%	Now	$200	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : North Side Of Building								
Pavers/Stone	5%			2038	* *			
Wood	45%	2-4	$4,000	2029	$4,000	1-3	$500	
Rotting/Splitting, Extent : Moderate, Area Affected : 100%								
Location : Rear Yard								
Parking/Driveway								
Asphalt	100%			2032	* *			

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								
Molded Case Bkrs	100%			2039	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 200 Ampere								
Raceway								
Conduit	100%			2039	* *	1		
Panelboards								
Molded Case Bkrs	100%			2037	* *	5	$200	
Wiring								
Thermoplastic	100%			2039	* *	1		
Motor Controllers								
Locally Mounted	100%			2034	* *	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2042	* *	1	$2,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 400 Ampere 3 Pole								
Generators								
Diesel	100%			2038	* *	1	$2,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Backyard								
Explanation : 40 Kilowatt 50 Kilovolt-Ampere 3 Phase								
Batteries								
Lead/Acid	100%			2023	$1,600	5	$300	

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FIRE DEPARTMENT - 057
ENGINE CO. 72
Asset # : 13060

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
Stand-by Power								
Fuel Storage								
Day Tank	10%			2045	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Under Enclosure Backyard								
Explanation : 50 Gallon Diesel Fuel								
No Component	90%							
Lighting								
Interior Lighting								
Fluorescent	30%			2034	* *	10	$2,100	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement								
Fluorescent	70%			2037	* *	10	$4,900	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : 1st And 2nd Floor								
Egress Lighting								
Emergency, Service	50%			2029	$2,000	1		
Exit, Service	50%			2029	$400	1		
Exterior Lighting								
HID	50%	Now	$200	2039	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Facade And Side Parking Lot								
Explanation : Wall Mounted, Controlled Via Time Clock								
No Component	50%							

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%			2049	* *	1		
Conversion Equipment								
Hot Water Boiler	100%	Now	$1,200	2042	* *	1	$3,400	
Other Observation, Extent : Light, Area Affected : 1%								
Location : Basement								
Explanation : Slight Drip From Pressure Relief Valve								
Distribution								
Hot Wtr Piping/Pump	100%	Now	$1,200	2037	* *	4	$400	
Damaged, Extent : Moderate, Area Affected : 30%								
Location : Basement Circulating Pump								
Terminal Devices								
Convector/Radiator	90%			2034	* *	1	$2,200	
Unit Heater - Hot Water	10%			2029	$2,800			
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 72
Asset # : 13060

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								
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%	Now	$12,300	2039	* *	2	$100	
Abandoned in Place, Extent : Light, Area Affected : 30%								
Location : 1 Unit On Roof								
Split Unit	20%			2024	$32,300			
Window/Wall Unit	40%	0-2	$3,200	2024	$6,300	1		
Malfunctioning, Extent : Moderate, Area Affected : 40%								
Location : 2nd Floor								
No Component	20%							
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2	$2,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Explanation : Serves Bunk Room								
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$4,200	
Exhaust Fans								
Roof	100%			2034	* *	2	$200	
Malfunctioning, Extent : Severe, Area Affected : 10%								
Location : Kitchen Hood Too Small								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2024	$4,600	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 75 Gallon Unit								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%	Now	$800	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : Main Sewer Connection								
Sump Pump(s)								
Non-Submersible	100%			2029	$1,200	4	$200	
Backflow Preventer								
No Component	95%							
Generic	5%			2034	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Boiler Only								

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FIRE DEPARTMENT - 057

ENGINE CO. 72

Asset # : 13060

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.
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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$169,000	$36,700
Mechanical	$170,900	$45,400
Total	**$339,900**	**$82,200**
Importance Code A	$169,000	$36,700
Importance Code B	$170,900	$45,400
Total	**$339,900**	**$82,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$44,100			
Interior Architecture	$45,200	$900	$1,800	$6,800
Electrical	$1,800	$1,300	$1,100	$12,900
Mechanical	$14,600	$2,000	$3,000	$19,700
Site Enclosure	$500			
Site Pavements	$17,400			
Total	**$123,700**	**$4,100**	**$6,000**	**$39,400**
Importance Code A	$44,800	$800	$800	$18,600
Importance Code B	$52,400	$3,400	$4,600	$20,800
Importance Code C	$26,500		$700	
Total	**$123,700**	**$4,100**	**$6,000**	**$39,400**



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. 73/ LADDER CO. 42
Asset # : 13061

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	75%	Now	$40,500	LIFE	* *	5	$25,100	
Expansion Joint Failure, Extent : Severe, Area Affected : 10%								
Location : Between E73 And L42								
Masonry: Granite	5%	Now	$10,600	LIFE	* *	5	$1,300	
Staining/Discoloring, Extent : Moderate, Area Affected : 40%								
Location : Front Facade.								
Masonry: Limestone	10%			LIFE	* *	5	$2,500	
Metal Sect. OHD	10%	Now	$33,500	2043	* *	5	$5,200	
Other Observation, Extent : Severe, Area Affected : 50%								
Location : Apparatus Area								
Explanation : Constantly Breaks Down								
Windows								
Aluminum	100%			2046	* *	5	$3,500	
Parapets								
Masonry: Brick	90%			LIFE	* *	5	$2,800	
Masonry: Limestone	10%			LIFE	* *	5	$400	
Loose Units, Extent : Moderate, Area Affected : 2%								
Location : At Roof Ladder								
Other Observation, Extent : Moderate, Area Affected : 2%								
Location : Parapet								
Explanation : Roof Ladder Causing Damage To Coping Stone								
Roof								
Asphalt Shingle	10%			2039	* *	10	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Addition Behind Building								
Explanation : Additional Storage Building On Property								
Modified Bitumen	70%	Now	$128,600	2040	* *			
Drains Clogged, Extent : Light, Area Affected : 2%								
Location : Both Roof Drains Need To Be Cleaned.								
Ponding, Extent : Moderate, Area Affected : 10%								
Location : Upper And Lower Roof								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Upper Roof At HVAC Curb								
Modified Bitumen	20%			2030	$36,700	10	$2,500	
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. 73/ LADDER CO. 42
Asset # : 13061

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	40%			LIFE	* *	5	$19,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Basement Gymnasium								
Ceramic Tile	10%			2039	* *	5	$2,300	
Quarry Tile	5%			2043	* *	5	$1,700	
Worn/Eroded, Extent : Light, Area Affected : 5%								
Location : Kitchen								
Vinyl Tile	15%	Now	$30,900	2040	* *	3	$1,300	
Worn/Eroded, Extent : Severe, Area Affected : 100%								
Location : 2nd Floor								
Wood	30%			2065	* *	5	$12,800	
Deteriorated Finish, Extent : Light, Area Affected : 15%								
Location : Various Locations Throughout								
Interior Walls								
Ceramic Tile	5%			2039	* *	5	$1,300	
Gypsum Board	25%	Now	$600	LIFE	* *	5	$4,000	
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Second Floor Locker Room								
Masonry: Brick	25%	Now	$5,600	LIFE	* *			
Broken/Missing Elements, Extent : Light, Area Affected : 2%								
Location : Basement, Truck Side Under Sidewalk.								
Staining/Discoloring, Extent : Light, Area Affected : 2%								
Location : Basement Gymnasium, Truck Side.								
Plaster	20%	4+	$2,300	LIFE	* *	5	$1,600	
Worn/Eroded, Extent : Light, Area Affected : 5%								
Location : 3rd Floor Stair.								
SGFT/Glazed Masonry	25%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	45%			2047	* *	5	$10,200	
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : Various Locations Throughout								
Exposed Struc: Steel	25%			LIFE	* *			
Gypsum Board	20%			LIFE	* *	5	$5,700	
Plaster	10%	4+	$600	LIFE	* *	5	$1,400	
Water Penetration, Extent : Moderate, Area Affected : 2%								
Location : Engine Side Common Room								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	$500	2056	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Rear Of Property								
Other Observation, Extent : Light, Area Affected : 10%								
Location : Rear Of Building								
Explanation : Fence Has Been Vandalized								
Site Pavements								

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FIRE DEPARTMENT - 057
ENGINE CO. 73/ LADDER CO. 42
Asset # : 13061

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								
Public Sidewalk								
Cast in Place Concrete	100%			2043	* *			
Parking/Driveway								
Cast in Place Concrete	100%	Now	$17,400	2043	* *			
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		
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	80%			2050	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 400 Amperes Main Disconnect Switch								
Fused Disc Sw	20%			2050	* *	5		
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	
Raceway								
Conduit	100%			2050	* *	1		
Panelboards								
Fused Disc Sw	5%			2046	* *	5		
Molded Case Bkrs	95%			2046	* *	5	$400	
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%			2047	* *	1	$4,700	
Generators								
Diesel	100%			2043	* *	1	$5,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside The Building								
Explanation : One 100 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
ENGINE CO. 73/ LADDER CO. 42
Asset # : 13061

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
Stand-by Power								
Batteries								
Lead/Acid	100%			2025	$1,600	5	$600	
Fuel Storage								
Day Tank	50%			2052	* *	5	$1,400	
Main Tank	50%			2058	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100% *Location : Basement* *Explanation : One 550 Gallons*								
Lighting								
Interior Lighting								
Fluorescent	70%			2035	* *	10	$9,700	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100% *Location : Throughout The Building*								
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		
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	50%			2025	$17,900	1	$3,800	
Other Observation, Extent : Light, Area Affected : 100% *Location : Roof* *Explanation : 6 Gas Fired Heating And Cooling Units. See Air Conditioning Section For Notes*								
Hot Water Boiler	50%			2035	* *	1	$3,800	
Distribution								
Hot Wtr Piping/Pump	50%			2038	* *	4	$600	
No Component	50%							
Terminal Devices								
Convector/Radiator	30%			2035	* *	1	$1,500	
Fan Coil Unit/Heat	20%			2030	$45,400	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		
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	$170,900	2040	* *	2	$700	
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : 6 Units, Roof								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Roof								
Explanation : Units Past Useful Life. Prone To Failures, Requires Frequent Repair.								
Split Unit	10%	0-2	$3,200	2035	* *			
Not in Service, Extent : Moderate, Area Affected : 10%								
Location : Gymnasium								
Other Observation, Extent : Light, Area Affected : 10%								
Location : Basement Gymnasium								
Explanation : 1 Unit, R-410a								
Ventilation								
Distribution								
Ductwork/Diffusers	100%	0-2	$2,800	LIFE	* *	2-5	$8,500	
Unbalanced System, Extent : Moderate, Area Affected : 10%								
Location : Kitchen And 1st Floor TV Waiting Room								
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : Roof								
Explanation : Rain Gets Into The Ductwork From Air Intakes Of Rooftop Units.								
Exhaust Fans								
Roof	100%	0-2	$1,300	2030	$25,200	2	$400	
Not in Service, Extent : Moderate, Area Affected : 10%								
Location : Kitchen Exhaust								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2050	* *	1		
Water Heater								
Gas Fired	100%			2028	$9,300	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%	0-2	$5,600	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Restroom And The Parking Lot								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2023	$500	4	$500	
Fixtures								
Generic	100%							
Fire Suppression								

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. 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	$600	1-3	$100	

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **24-Jan-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2,3,4**		
Block	: **1213** **Lot** : **41**	**BIN**	: **1032079**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Interior Architecture		$44,500
Electrical		$76,900
Mechanical		$44,700
Total		**$166,100**
Importance Code B		$166,100
Total		**$166,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$32,700			
Interior Architecture	$46,500	$1,300	$300	$600
Electrical		$100	$100	
Mechanical	$4,300	$1,000	$900	$900
Site Enclosure	$4,900			
Site Pavements	$200			
Total	**$88,500**	**$2,400**	**$1,300**	**$1,500**
Importance Code A	$33,300	$600	$600	$600
Importance Code B	$43,400	$700	$700	$900
Importance Code C	$11,900	$1,100		
Total	**$88,500**	**$2,400**	**$1,300**	**$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. 74
Asset # : 13062

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								
Alum/Vinyl Siding	2%			2039	* *	10	$200	
Masonry: Brick	78%			LIFE	* *	5	$22,300	
Staining/Discoloring, Extent : Moderate, Area Affected : 15%								
Location : North Facade								
Masonry: Brownstone	10%			LIFE	* *	5	$2,100	
Staining/Discoloring, Extent : Moderate, Area Affected : 25%								
Location : North Facade								
Wood Overhead Doors	10%	4+	$1,900	2034	* *	5	$7,200	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Throughout								
Windows								
Aluminum	100%	Now	$9,200	2045	* *	5	$500	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Parapets								
Masonry: Brick	45%			LIFE	* *	5	$300	
Metal Cornice	10%			2057	* *	10	$200	
Not Accessible	45%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Throughout								
Explanation : Interior Perimeter Covered With Roofing								
Roof								
Asphalt Shingle	10%	Now	$200	2038	* *			
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Modified Bitumen	90%	Now	$21,400	2034	* *			
Blisters, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 74
Asset # : 13062

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	25%	Now	$22,700	LIFE	* *	5	$4,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Throughout Basement								
Other Observation, Extent : Moderate, Area Affected : 40%								
Location : Basement								
Explanation : Steel Columns In Basement Support Apparatus Floor Above								
Ceramic Tile	5%			2038	* *	5	$400	
Quarry Tile	5%	0-2	$2,500	2042	* *	5	$300	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Sheet Vinyl/Rubber	5%			2029	$12,900	5	$600	
Vinyl Tile	60%	Now	$4,400	2029	$44,500	3	$1,800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Uneven Substrate, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Interior Walls								
Ceramic Tile	20%			2038	* *	5	$2,200	
Gypsum Board	5%			LIFE	* *	5	$300	
Masonry: Brick	10%	Now	$4,700	LIFE	* *			
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Paint Peeling, Extent : Severe, Area Affected : 20%								
Location : Basement								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Basement								
Plaster	55%			LIFE	* *	5	$1,900	
Plywood/Hardboard	5%			LIFE	* *			
Worn/Eroded, Extent : Light, Area Affected : 25%								
Location : Throughout								
SGFT/Glazed Masonry	5%	Now	$2,300	LIFE	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Loose Units, Extent : Moderate, Area Affected : 5%								
Location : Equipment Bay								
Ceilings								
AcousTileSusp.Lay-In	55%			2042	* *	5	$4,500	
Embossed Metal	20%	0-2	$7,700	LIFE	* *	5	$700	
Deformed/Dented, Extent : Light, Area Affected : 10%								
Location : Throughout								
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		
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%	2-4	$4,900	2039	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Free Standing Walls								
Masonry: Brick	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	$200	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			
Activity Yard								
Cast in Place Concrete	100%			2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Rear Yard								

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%			2029	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	$52,200	5	$200	
Raceway								
Conduit	90%			2029	$30,100	1		
Conduit	10%			2055	* *	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	60%			2028	$24,700	5	$100	
Molded Case Bkrs	35%			2051	* *	5	$100	
Wiring								
Thermoplastic	60%			2029	$17,800	1		
Thermoplastic	40%			2055	* *	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								

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

FIRE DEPARTMENT - 057
ENGINE CO. 74
Asset # : 13062

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								
LED	100%			2037	* *			
Exterior Lighting								
LED	100%			2037	* *			

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%			2055	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$5,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Unit								
Distribution								
Central Plant Steam Piping/Pmp	100%			2039	* *	4	$400	
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Split Unit	30%			2037	* *			
Window/Wall Unit	50%			2027	$6,300	1		
No Component	20%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2029	$44,700	1		
Not Insulated, Extent : Moderate, Area Affected : 100%								
Location : Basement								
No Water Meter, Extent : Light, Area Affected : 100%								
Location : Basement								
Water Heater								
Gas Fired	100%			2027	$3,700	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 74 Gallon Units								
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		
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	$2,500	LIFE	* *	1		
Other Observation, Extent : Moderate, Area Affected : 20%								
Location : Rear Yard								
Explanation : Backs Up When It Rains Hard								
Sump Pump(s)								
Non-Submersible	100%	Now	$900	2039	* *	4	$100	
On Extended Life, Extent : Severe, Area Affected : 100%								
Location : Basement								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Pits With Pumps								
Backflow Preventer								
No Component	95%							
Generic	5%			2034	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Boiler Only								
Fire Suppression								
Sprinkler								
No Component	97%							
Generic	3%			2049	* *	1-2		
Chemical System								
Wet	10%			2027	$2,800	1-3	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Model Kp 275 For Kitchen Hood								
No Component	80%							
Generic	10%			2027	$2,800	1-3	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Fire Extinguishers								

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Electrical		$138,700
Total		**$138,700**
Importance Code B		$138,700
Total		**$138,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$12,000	$3,700		$12,400
Interior Architecture	$48,200	$900	$2,900	
Electrical	$1,600	$3,600	$1,800	$4,700
Mechanical	$1,500	$1,100	$1,800	$4,700
Total	**$63,300**	**$9,300**	**$6,500**	**$21,800**
Importance Code A	$12,600	$4,300	$600	$16,000
Importance Code B	$40,200	$5,000	$4,400	$5,800
Importance Code C	$10,500		$1,500	
Total	**$63,300**	**$9,300**	**$6,500**	**$21,800**



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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. 75/ LADDER CO. 33 /BATTALION 19

Asset # : 13063

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								
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	$12,000	2040	* *			
Alligatoring, Extent : Severe, Area Affected : 100%								
Location : Lower Roof								
Panel/Paver: Cer/Brk	20%			2050	* *	10	$4,400	
Soffits								
Exposed Struc: Steel	100%			LIFE	* *	5		
Interior								
Floors								
Cast in Place Concrete	40%	Now	$4,200	LIFE	* *	5	$16,400	
Horizontal Cracks, Extent : Light, Area Affected : 20%								
Location : Basement And Apparatus Floor.								
Ceramic Tile	15%			2039	* *	5	$2,800	
Quarry Tile	5%	Now	$14,400	2043	* *	5	$700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Kitchen								
Uneven Substrate, Extent : Severe, Area Affected : 20%								
Location : Kitchen								
Vinyl Tile	40%			2035	* *	3	$2,800	
Interior Walls								
Ceramic Tile	15%			2039	* *	5	$2,900	
Concrete Masonry Unit	45%	Now	$10,500	LIFE	* *	5	$3,500	
Vertical Cracks, Extent : Light, Area Affected : 5%								
Location : Various Locations on Apparatus Floor.								
Other Observation, Extent : Light, Area Affected : 10%								
Location : North And East Walls Of Apparatus Floors, Stair Bulkhead.								
Explanation : Paint Peeling.								
Gypsum Board	40%			LIFE	* *	5	$4,700	
Ceilings								
AcousTileSusp.Lay-In	45%	Now	$1,500	2043	* *	5	$4,200	
Broken/Missing Elements, Extent : Light, Area Affected : 2%								
Location : 2nd Floor Laundry Room.								
Exposed Concrete	55%	Now	$17,700	LIFE	* *	5	$1,600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 4%								
Location : Roof Stair Bulkhead And Basement Below Kitchen								

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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. 75/ LADDER CO. 33 /BATTALION 19
Asset # : 13063

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 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	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%			2040	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : Main Service Disconnect Switch Rated At 600 Amperes.								
Switchgear / Switchboard								
Fused Disc Sw	100%			2040	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : One Vertical Section								
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	

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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
Stand-by Power								
Generators								
Diesel	100%			2033	* *	1	$4,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rear Yard								
Explanation : No Available Nameplate Rating Capacity								
Batteries								
Lead/Acid	100%			2023	$1,600	5	$500	
Fuel Storage								
Main Tank	100%			2045	* *	5	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rear Yard								
Explanation : 60 Gallons Rated Capacity								
Lighting								
Interior Lighting								
LED	100%			2038	* *			
Egress Lighting								
Emergency, Service	50%			2030	$3,300	1		
Exit, Battery	50%			2025	$2,400	10	$400	
Exterior Lighting								
LED	30%			2038	* *			
No Component	70%							
Alarm								
Fire/Smoke Detection								
Generic, Digital	100%			2030	$138,700	1-3	$7,700	
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		
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		

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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								
Furnace	50%			2035	* *	1	$3,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 6 Gas Fired Heating / Cooling Units								
Furnace	10%			2025	$3,000	1	$600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : Rooftop Unit								
Hot Water Boiler	40%			2043	* *	1	$2,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1 In Basement, 1 In 2nd Floor								
Explanation : 2 Units								
Distribution								
Hot Wtr Piping/Pump	40%			2046	* *	4	$400	
No Component	60%							
Terminal Devices								
Convector/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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 6 Units, R-410a Refrigerant								
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								
Gas Fired	50%			2028	$3,800	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 75 Gallon Unit								
Gas Fired	50%	0-2	$400	2028	$3,800	2	$100	
Not in Service, Extent : Moderate, Area Affected : 10%								
Location : Basement								
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. 75/ LADDER CO. 33 /BATTALION 19
Asset # : 13063

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								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	70%			2035	* *	4	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Duplex Unit								
Submersible	30%	Now	$100	2025	$100	4	$100	
Abandoned in Place, Extent : Severe, Area Affected : 100%								
Location : Basement Oil Tank Room. It Causes Flooding At Basement Seriously.								
Backflow Preventer								
Generic	100%			2030	$3,200	1	$800	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	98%							
Generic	2%			2025	$600	1-3	$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.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

Asset Name : **ENGINE CO. 76/ LADDER CO. 22 CO-LOCATE (PRECINCT 24)**
Address : **145 WEST 100th STREET**
Borough : **MANHATTAN**
Program / Asset # : **FIRSECO.076 / 13064**
Area Sq Ft : **12,803**
Date of Survey : **01-Jul-2020**
Areas Surveyed : **Roof, Floors 1,2**
Block : **1855** **Lot** : **5**

Agency's Number : **N/A**
Yr Built/Renovated : **1960 /**
Project Type : **FIRE DEPARTMENT**
Landmark Status : **NONE**
BIN : **1055910**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Interior Architecture	$56,200	$62,100
Electrical		$76,200
Mechanical		$41,800
Total	**$56,200**	**$180,100**
Importance Code B	$56,200	$180,100
Total	**$56,200**	**$180,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$31,600	$300		
Interior Architecture	$49,200		$2,200	$700
Electrical	$8,600			$200
Mechanical	$23,600	$2,900	$700	$2,700
Site Enclosure	$3,400			
Total	**$116,500**	**$3,200**	**$3,000**	**$3,500**
Importance Code A	$31,600	$300		
Importance Code B	$72,800	$2,900	$2,400	$3,500
Importance Code C	$12,100		$600	
Total	**$116,500**	**$3,200**	**$3,000**	**$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. 76/ LADDER CO. 22 CO-LOCATE (PRECINCT 24)

Asset # : 13064

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								
Alum/Vinyl Siding	5%			2051	* *	10	$300	
Masonry: Brick	70%			LIFE	* *	5	$31,100	
Masonry: Granite	5%			LIFE	* *	5	$1,700	
Masonry: Limestone	10%			LIFE	* *	5	$3,300	
Caulking Deteriorated, Extent : Moderate, Area Affected : 10%								
Location : Street Facade								
Wood Overhead Doors	10%			2036	* *	5	$11,100	
Windows								
Aluminum	100%			2053	* *	5	$600	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	* *	5-10	$8,700	
Masonry: Brick	80%			LIFE	* *	5-10	$8,400	
Roof								
Modified Bitumen	100%			2036	* *	10	$16,500	
Interior								
Floors								
Cast in Place Concrete	50%	Now	$19,600	LIFE	* *	5	$19,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Throughout Apparatus Room								
Misaligned/Bulging, Extent : Moderate, Area Affected : 15%								
Location : Engine Bay Of Apparataus Room								
Ceramic Tile	5%	0-2	$900	2034	* *	5	$400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Locker Room								
Mosaic Tile	5%	Now	$56,200	2051	* *	5	$1,100	
Worn/Eroded, Extent : Severe, Area Affected : 100%								
Location : Chief Room, Officer Room, Laundry Room And Toilets								
Quarry Tile	5%			2044	* *	5	$1,300	
Vinyl Tile	5%			2036	* *	3	$300	
Vinyl Tile 9" X 9"	30%	Now	$6,200	2031	$62,100	3	$2,000	
Broken/Missing Elements, Extent : Severe, Area Affected : 15%								
Location : Second Floor Corridor, Bunk Room								
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : Locker Rooms								
Interior Walls								
Ceramic Tile	10%			2034	* *	5	$1,200	
Gypsum Board	10%			LIFE	* *	5-10	$2,000	
Plaster	20%	Now	$3,900	LIFE	* *	5	$700	
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : Rear Stair And Bunk Room								
SGFT/Glazed Masonry	60%			LIFE	* *	10	$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. 76/ LADDER CO. 22 CO-LOCATE (PRECINCT 24)

Asset # : 13064

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	10%			2044	* *	5	$1,800	
Exposed Concrete	40%			LIFE	* *	5-10	$8,800	
Plaster	50%	Now	$6,200	LIFE	* *	5	$5,500	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Rear Stair Ceiling								
Site Enclosure								
Fence/Gates								
Chain Link	100%	4+	$3,400	2041	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 60%								
Location : Throughout Fence								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2036	* *			

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								
Raceway								
Conduit	100%			2031	$33,500	1		
Panelboards								
Fused Disc Sw	5%			2030	$2,100	5		
Molded Case Bkrs	95%			2030	$39,100	5	$300	
Wiring								
Thermoplastic	100%			2031	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2029	$15,400	5	$100	
Lighting								
Interior Lighting								
Fluorescent	40%			2031	$14,800	10	$4,700	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Fluorescent	60%			2026	$22,300	10	$7,000	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Second Floor								
Egress Lighting								
Emergency, Battery	50%			2026	$9,200	10	$1,500	
No Component	50%							
Exterior Lighting								
HID	20%			2026	$10,300	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

ENGINE CO. 76/ LADDER CO. 22 CO-LOCATE (PRECINCT 24)

Asset # : 13064

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%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : The Heating Source Is From Adjacent Building Which Is The Police Station								
Conversion Equipment								
Steam Boiler Central Plant	50%	0-2	$20,300	2044	* *			
Controller Not Working, Extent : Severe, Area Affected : 100%								
Location : Throughout. No Capability For Control Of Heating. Heating Is Centrally Controlled. Insufficient Heating For Fire House.								
Not Accessible	50%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : The Heating Source Is From Adjacent Building Which Is The Police Station								
Distribution								
Hot Wtr Piping/Pump	100%			2039	* *	4	$900	
Terminal Devices								
Convector/Radiator	50%			2036	* *	1	$2,100	
Convector/Radiator	10%	0-2	$700	2036	* *	1	$400	
Other Observation, Extent : Moderate, Area Affected : 50%								
Location : Various								
Explanation : Missing Radiator Cover								
Unit Heater - Steam	40%			2031	$18,300	4	$700	
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Split Unit	10%			2036	* *			
Other Observation, Extent : Light, Area Affected : 10%								
Location : Roof								
Explanation : 1 Unit. R-410a								
Window/Wall Unit	50%			2026	$13,300	1		
No Component	40%							
Heat Rejection								
Dry Cooler	100%			2031	$41,800	2	$8,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : Condenser For The Split Unit.								
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2-5	$2,300	
No Component	80%							
Exhaust Fans								
Roof	20%			2031	$4,300	2	$100	
Wall Unit	30%			2026	$1,400	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		
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%			2041	* *	1		
Brass/Copper	10%	0-2	$1,000	2041	* *	1		
Corroded, Extent : Moderate, Area Affected : 10%								
Location : Basement. Corroded Hot Water Piping								
Water Heater								
Electric	100%			2029	$11,300	4	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Two 120 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	90%							
Obsolete Fixtures, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Generic	10%							
Leaking Faucets/Valves/Heads, Extent : Severe, Area Affected : 100%								
Location : 2nd Floor And Kitchen Area. Slop Sink Damaged Faucets And Clogged Kitchen Drain								
Fire Suppression								
Chemical System								
Generic	100%			2026	$27,900	1-3	$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.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **18-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **3297** **Lot** : **9**	**BIN**	: **2016936**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Electrical		$85,100
Site Enclosure	$50,000	
Total	**$50,000**	**$85,100**
Importance Code B		$85,100
Importance Code C	$50,000	
Total	**$50,000**	**$85,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$20,700		$2,000	
Interior Architecture	$6,800	$400		$500
Electrical	$10,500	$500	$600	$500
Mechanical	$3,700	$900	$37,300	$900
Site Pavements	$7,400			
Total	**$49,200**	**$1,800**	**$39,900**	**$1,800**
Importance Code A	$21,400	$700	$2,700	$700
Importance Code B	$20,400	$1,000	$37,200	$1,200
Importance Code C	$7,400	$100		
Total	**$49,200**	**$1,800**	**$39,900**	**$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. 79
Asset # : 13065

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								
Alum/Vinyl Siding	5%			2049	* *	10	$100	
Cast Stone/Terra Cotta	2%			LIFE	* *	5	$1,300	
Masonry: Brick	80%			LIFE	* *	5	$6,500	
Painted Surfaces, Extent : Moderate, Area Affected : 25%								
Location : South Facade								
Other Observation, Extent : Light, Area Affected : 5%								
Location : North Facade								
Explanation : Partial Cement Parge Coating Above 2nd Floor Windows								
Masonry: Granite	3%			LIFE	* *	5	$200	
Wood Overhead Doors	10%			2034	* *	5	$4,100	
Windows								
Aluminum	100%	4+	$1,800	2045	* *	5	$100	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 75%								
Location : Throughout								
Parapets								
Masonry: Brick	90%			LIFE	* *	5	$1,000	
Pre-Cast Concrete	10%			LIFE	* *	5	$700	
Roof								
Asphalt Shingle	5%			2038	* *	10	$100	
Modified Bitumen	92%	4+	$6,000	2034	* *			
Blisters, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Skylight, Metal/Glass	3%	Now	$12,800	2039	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 100%								
Location : Main Roof								
Water Penetration, Extent : Moderate, Area Affected : 30%								
Location : Main Roof								
Soffits								
Wood	100%			2042	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rear Addition								
Explanation : Exposed Wood Sheathing Located Under Dining Area Building Addition								
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		
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	$10,000	
Ceramic Tile	5%	Now	$4,700	2038	* *	5	$200	
Drains Inad/Misposn, Extent : Moderate, Area Affected : 25%								
Location : Second Floor Restroom								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Over Apparatus Floor								
Ceramic Tile	5%			2038	* *	5	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen And Dining Areas								
Explanation : This Is Actually Large Format Ceramic Tile								
Vinyl Tile	40%	4+	$1,700	2034	* *	3	$1,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Second Floor								
Loose Units, Extent : Moderate, Area Affected : 5%								
Location : Second Floor								
Interior Walls								
Ceramic Tile	5%			2038	* *	5	$300	
Gypsum Board	5%			LIFE	* *	5	$200	
Masonry: Brick	40%			LIFE	* *			
Masonry: Fieldstone	5%			LIFE	* *			
Plaster	40%			LIFE	* *	5	$600	
Wood	5%			LIFE	* *	5	$1,000	
Ceilings								
AcousTileSusp.Lay-In	5%	4+	$400	2042	* *	5	$200	
Broken/Missing Elements, Extent : Severe, Area Affected : 15%								
Location : Apparatus Floor								
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : Apparatus Floor								
Embossed Metal	40%			LIFE	* *	5	$1,700	
Exposed Struc: Steel	20%			LIFE	* *			
Gypsum Board	15%			LIFE	* *	5	$1,700	
Plaster	20%			LIFE	* *	5	$1,100	
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%	Now	$50,000	2039	* *			
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2034	* *			

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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%	4+	$6,600	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Throughout Rear Yard								
Parking/Driveway								
Cast in Place Concrete	100%	Now	$900	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Driveway Apron At Front Entrance								

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%			2039	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Main Service Switch Rated At 200 Amperes								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	$52,200	5	$200	
Raceway								
Conduit	50%			2029	$16,700	1		
Conduit	50%			2039	* *	1		
Panelboards								
Molded Case Bkrs	20%			2037	* *	5		
Molded Case Bkrs	80%			2028	$32,900	5	$100	
Wiring								
Thermoplastic	50%			2029	$14,800	1		
Thermoplastic	50%			2039	* *	1		
Motor Controllers								
Locally Mounted	100%	4+	$1,500	2034	* *	5		
Other Observation, Extent : Light, Area Affected : 5%								
Location : 1st Floor								
Explanation : Overhead Door Operator Repeatedly Fails								
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2034	* *	1	$2,100	
Generators								
Diesel	100%			2032	* *	1	$2,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : Emergency Generator Rated At 81 Kilovolt-ampere								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
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%			2022	$1,600	5	$300	
Fuel Storage								
Day Tank	100%			2037	* *	5	$1,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 60 Gallon								
Lighting								
Interior Lighting								
Fluorescent	88%			2029	$17,300	10	$5,500	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Fluorescent	2%			2029	$400	10	$100	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
LED	10%	Now	$6,100	2039	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Apparatus Room								
Egress Lighting								
Emergency, Service	50%			2029	$1,800	1		
Exit, Service	50%			2029	$400	1		
Exterior Lighting								
HID	50%			2029	$13,700	10		
No Component	50%							

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%			2039	* *	1		
Conversion Equipment								
Steam Boiler	100%			2034	* *	1	$6,700	
Distribution								
Steam Piping/Pump	100%			2039	* *			
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$2,200	
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Split Unit	15%			2024	$21,800			
Window/Wall Unit	40%			2024	$5,700	1		
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
ENGINE CO. 79
Asset # : 13065

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	15%			LIFE	* *	2-5	$600	
No Component	85%							
Exhaust Fans								
Interior	10%			2024	$2,400	2		
Roof	15%			2024	$1,700	2		
No Component	75%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2024	$4,200	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 74 Gallon Units								
Sanitary Piping								
Cast Iron	100%	Now	$2,500	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 10%								
Location : Basement								
Leak Evident, Extent : Moderate, Area Affected : 30%								
Location : Basement And 1st Floor								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$200	4	$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	98%							
Generic	2%			2024	$600	1-3	$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.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$54,400	
Mechanical		$162,100
Total	**$54,400**	**$162,100**
Importance Code A	$54,400	
Importance Code B		$162,100
Total	**$54,400**	**$162,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$4,300		$10,300	
Interior Architecture	$46,400		$600	$1,800
Electrical	$700	$600	$800	$600
Mechanical	$8,000	$1,900	$2,100	$2,300
Total	**$59,500**	**$2,500**	**$13,700**	**$4,600**
Importance Code A	$4,300		$10,300	
Importance Code B	$43,100	$2,500	$3,500	$3,600
Importance Code C	$12,000			$1,100
Total	**$59,500**	**$2,500**	**$13,700**	**$4,600**



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. 8
Asset # : 13007

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: Granite	30%			LIFE	* *	5	$2,200	
Metal/Glass Curt Wall	35%			LIFE	* *	5	$6,400	
Metal Sect. OHD	35%			2044	* *	5	$5,300	
Windows								
Aluminum	50%	Now	$54,400	2056	* *	5	$600	
Air Infiltration, Extent : Severe, Area Affected : 50%								
Location : 2nd Floor Office								
Metal Louvers	50%			2034	* *	10	$7,600	
Interior								
Floors								
Cast in Place Concrete	45%	Now	$22,200	LIFE	* *	5	$14,600	
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Throughout The Apparatus Floor								
Spalling, Extent : Severe, Area Affected : 25%								
Location : Throughout The Apparatus Floor								
Ceramic Tile	10%	Now	$3,100	2040	* *	5	$700	
Water Penetration, Extent : Severe, Area Affected : 15%								
Location : 1st Floor Bathroom Floor Drain Backup								
Quarry Tile	5%			2044	* *	5	$1,100	
Vinyl Tile	40%	Now	$2,700	2036	* *	3	$2,200	
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Company Office From Abutting Property								
Interior Walls								
Ceramic Tile	10%			2040	* *	5	$2,100	
Gypsum Board	30%	Now	$5,600	LIFE	* *	5	$3,800	
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Company Office From Abutting Property								
Plaster	10%			LIFE	* *	5-10	$1,800	
SGFT/Glazed Masonry	50%			LIFE	* *	10	$5,300	
Ceilings								
AcousTileSusp.Lay-In	40%	2-4	$2,200	2044	* *	5	$1,300	
Misaligned/Bulging, Extent : Moderate, Area Affected : 10%								
Location : Multiple Locations At The Second Floor								
Staining/Discoloring, Extent : Moderate, Area Affected : 10%								
Location : Various Locations Throughout								
Exposed Concrete	10%			LIFE	* *	5-10	$800	
Gypsum Board	50%	Now	$3,500	LIFE	* *	5	$4,100	
Cracking/Crumbling, Extent : Severe, Area Affected : 15%								
Location : Storage Room And Gymnasium								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Room From Bathroom Above								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	* *			

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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. 8
Asset # : 13007

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								
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	$6,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : Smoke Detectors, Strobe Lights, Manual Pull Stations, Alarm Bells And Horns								

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%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Heating Source Provided By The Main Building								
Explanation : Building Services Provides Forced Hot Air								
Conversion Equipment								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Heating Source Provided By The Building								
Distribution								
Ductwork/Diffusers	50%			LIFE	* *	2-5	$4,400	
Central Plant Steam Piping/Pmp	50%			2041	* *	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. 8
Asset # : 13007

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								
Air Handler	30%			2036	* *	1	$1,800	
Convector/Radiator	40%			2036	* *	1	$1,300	
Unit Heater - Steam	30%			2031	$10,600	4	$400	
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Split Unit	50%			2031	$105,600			
R-22 Refrigerant, Extent : Light, Area Affected : 50%								
Location : 4 Units, Various								
Window/Wall Unit	10%			2026	$2,100	1		
No Component	40%							
Terminal Devices								
Fan Coil - 2 Pipe	50%			2031	$56,500	1	$1,600	
No Component	50%							
Heat Rejection								
Evaporative Condenser	50%			2031	$9,200	2	$3,400	
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	80%			LIFE	* *	2-5	$7,000	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Explanation : The Air Circulation Is Very Poor Due To The Building Setup.								
Ductwork/Diffusers	20%	0-2	$1,800	LIFE	* *	2-5	$1,100	
Inadequate Supply, Extent : Severe, Area Affected : 100%								
Location : Throughout. Poor Ventilation								
Exhaust Fans								
Interior	100%			2036	* *	2	$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	* *	1		
Water Heater								
Electric	100%			2029	$8,700	4	$100	
Sanitary Piping								
Cast Iron	90%			LIFE	* *	1		
Cast Iron	10%	Now	$700	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor Clogged Drain								
Leak Evident, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Bathroom								
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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Backflow Preventer								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0% *Location : Throughout* *Explanation : Water Feed From Landlord*								
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2051	* *	1-2	$2,800	
Fire Pump								
Not Accessible	100%							
Chemical System								
Generic	100%			2026	$27,900	1-3	$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.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$93,700	
Total	**$93,700**	
Importance Code A	$93,700	
Total	**$93,700**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$36,600		$6,100	
Interior Architecture	$53,400		$2,300	$3,700
Electrical	$1,400	$1,400	$700	$700
Mechanical	$68,900	$2,100	$7,600	$1,600
Total	**$160,200**	**$3,500**	**$16,700**	**$6,100**
Importance Code A	$37,800	$1,100	$7,100	$1,100
Importance Code B	$112,100	$2,400	$9,600	$2,100
Importance Code C	$10,300			$2,900
Total	**$160,200**	**$3,500**	**$16,700**	**$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. 80/ LADDER CO. 23
Asset # : 13066

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	75%	Now	$93,700	LIFE	* *	5	$29,100	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 25%								
Location : Street Facade. Upper Story								
Staining/Discoloring, Extent : Moderate, Area Affected : 15%								
Location : Street Facade. Upper Right Corner								
Water Penetration, Extent : Severe, Area Affected : 15%								
Location : Street Facade. Upper Right Corner								
Masonry: Limestone	15%			LIFE	* *	5	$8,700	
Metal Sect. OHD	10%			2044	* *	5	$12,100	
Windows								
Aluminum	100%			2047	* *	5	$2,800	
Parapets								
Masonry: Brick	25%			LIFE	* *	5-10	$4,200	
Masonry: Brick	50%	Now	$3,800	LIFE	* *	5	$1,200	
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : 3rd Floor Gymnasium Street Facade								
Masonry: Limestone	15%			LIFE	* *	5-10	$4,500	
Pre-Cast Concrete	5%			LIFE	* *	5	$1,600	
Slate	5%			LIFE	* *	5	$200	
Roof								
Modified Bitumen	97%	2-4	$18,400	2036	* *			
Ponding, Extent : Moderate, Area Affected : 5%								
Location : Main Roof								
Skylight, Metal/Glass	3%			2051	* *	10	$1,300	
Interior								
Floors								
Cast in Place Concrete	37%	4+	$13,100	LIFE	* *	5	$12,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Back Up From Floor Drains In Heavy Storms								
Ceramic Tile	5%	Now	$1,700	2040	* *	5	$400	
Worn/Eroded, Extent : Severe, Area Affected : 15%								
Location : Locker Rooms								
Quarry Tile	3%			2036	* *	5	$700	
Vinyl Tile	40%	0-2	$5,800	2036	* *	3	$2,400	
Uneven Surface, Extent : Moderate, Area Affected : 15%								
Location : Second And Third Floors								
Worn/Eroded, Extent : Moderate, Area Affected : 20%								
Location : Second And Third Floors								
Wood	15%			2059	* *	5	$4,500	

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. 80/ LADDER CO. 23
Asset # : 13066

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	30%			2040	* *	5	$5,700	
Concrete Masonry Unit	10%			LIFE	* *	5	$1,500	
Gypsum Board	40%			LIFE	* *	5-10	$13,000	
Masonry: Brick	20%			LIFE	* *	10	$1,100	
Ceilings								
AcousTileSusp.Lay-In	35%	Now	$4,600	2044	* *	5	$2,700	
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 Concrete	20%			LIFE	* *	5-10	$3,800	
Exposed Struc: Steel	20%			LIFE	* *	10	$6,100	
Gypsum Board	25%			LIFE	* *	5-10	$13,200	
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								
Molded Case Bkrs	100%			2057	* *	5	$300	
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	
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								
Locally Mounted	100%			2048	* *	5	$100	
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.
*** 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

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
Stand-by Power								
Transfer Switches								
Automatic	100%			2048	* *	1	$3,300	
Generators								
Diesel	100%			2044	* *	1	$4,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 80 Kilowatt/ 100 Kilovolt-ampere, 3 Phase, 208/120v								
Batteries								
Lead/Acid	100%			2026	$1,600	5	$400	
Fuel Storage								
Day Tank	50%			2053	* *	5	$1,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 100 Gallons								
Main Tank	50%			2066	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 550 Gallons								
Lighting								
Interior Lighting								
Fluorescent	100%			2039	* *	10	$9,800	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
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		
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	$10,600	
Distribution								
Steam Piping/Pump	95%			2051	* *			
Steam Piping/Pump	5%	0-2	$200	2051	* *			
Corroded, Extent : Moderate, Area Affected : 50%								
Location : Basement. Supply, Return Bolier Piping Header								
Terminal Devices								
Convector/Radiator	80%			2044	* *	1	$2,800	
Unit Heater - Steam	20%			2036	* *	4	$200	

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FIRE DEPARTMENT - 057
ENGINE CO. 80/ LADDER CO. 23
Asset # : 13066

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%			2047	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	50%			2036	* *	2	$300	
Other Observation, Extent : Light, Area Affected : 70%								
Location : Roof								
Explanation : 3 Units. R - 410 A Refrigerant								
Exterior Pkg Unit - Cooling	20%	Now	$17,300	2041	* *	2	$100	
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Roof. Air Conditioning Unit Serving 3rd Floor Not Working								
Window/Wall Unit	10%			2029	$2,200	1		
No Component	20%							
Distribution								
Ductwork/Diffusers	95%			LIFE	* *	2	$16,500	
Ductwork/Diffusers	5%	Now	$5,700	LIFE	* *	2	$700	
Leak Evident, Extent : Moderate, Area Affected : 50%								
Location : 3rd Floor. Condensate Leaking Into 3rd Floor								
Heat Rejection								
Dry Cooler	100%			2036	* *	2	$7,400	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$9,400	
Exhaust Fans								
Interior	50%	0-2	$19,000	2041	* *	2	$100	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Apparatus Room.								
Explanation : No Ventilation In Apparatus Room								
Roof	50%			2036	* *	2	$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	* *	1		
Water Heater								
Gas Fired	100%			2029	$6,500	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	20%	0-2	$15,600	LIFE	* *	1		
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Basement								
Explanation : Severe Sewer Back Up In Basement								
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		
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	$1,100	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 15%								
Location : Operational Area And Rear Side Of Basement.								
Sump Pump(s)								
Non-Submersible	100%			2031	$1,600	4	$300	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2029	$27,900	1-3	$3,700	
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.
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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **22-May-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2,3**		
Block	: **3266** **Lot** : **1**	**BIN**	: **2000000**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Site Pavements	$41,400	
Total	**$41,400**	
Importance Code C	$41,400	
Total	**$41,400**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$17,500			$400
Interior Architecture	$9,200	$800		$400
Electrical	$900	$2,600	$9,500	$1,900
Mechanical	$6,400	$800	$16,200	$1,000
Site Enclosure	$12,100			
Site Pavements	$13,000			
Total	**$59,200**	**$4,200**	**$25,700**	**$3,700**
Importance Code A	$18,000	$500	$500	$900
Importance Code B	$21,800	$3,300	$25,200	$2,900
Importance Code C	$19,400	$400		
Total	**$59,200**	**$4,200**	**$25,700**	**$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.*

FIRE DEPARTMENT - 057
ENGINE CO. 81/ LADDER CO. 46
Asset # : 13067

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								
Alum/Vinyl Siding	3%	4+	$700	2049	* *			
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Addition At Rear Of Building								
Masonry: Brick	75%			LIFE	* *	5	$25,900	
Masonry: Granite	3%			LIFE	* *	5	$800	
Masonry: Limestone	10%			LIFE	* *	5	$2,600	
Metal Sect. OHD	7%			2042	* *	5	$7,500	
Stucco Cement	2%	Now	$6,400	2042	* *	5	$900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 30%								
Location : Addition At Rear Of Building								
Windows								
Aluminum	99%			2045	* *	5	$900	
Metal Louvers	1%			2032	* *	10	$100	
Parapets								
Masonry: Brick	90%	4+	$3,400	LIFE	* *	5	$2,800	
Miss/Damaged Flashings, Extent : Severe, Area Affected : 5%								
Location : West Side Of Main Roof								
Masonry: Limestone	10%			LIFE	* *	5	$400	
Roof								
Asphalt Shingle	5%			2038	* *	10	$100	
Modified Bitumen	90%	4+	$3,100	2034	* *			
Water Penetration, Extent : Moderate, Area Affected : 2%								
Location : Roof Hatch Base Flashing								
Skylight, Metal/Glass	5%			2049	* *	10	$2,000	
Soffits								
Wood	100%			2034	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rear Yard								
Explanation : Exposed Underside Of Roof Over Barbecue Grille								
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	* *	5	$18,700	
Ceramic Tile	5%			2038	* *	5	$700	
Quarry Tile	5%			2042	* *	5	$1,100	
Vinyl Tile	25%			2034	* *	3	$1,800	
Wood	5%			2057	* *	5	$1,300	

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FIRE DEPARTMENT - 057
ENGINE CO. 81/ LADDER CO. 46
Asset # : 13067

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%			2038	* *	5	$900	
Concrete Masonry Unit	3%			LIFE	* *	5	$200	
Gypsum Board	10%			LIFE	* *	5	$1,000	
Masonry: Brick	10%	4+	$1,400	LIFE	* *			
Vertical Cracks, Extent : Moderate, Area Affected : 2%								
Location : Apparatus Room Partition Wall Between Bays								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Apparatus Room								
Explanation : Unglazed Face Brick								
Masonry: Brick	32%	4+	$4,600	LIFE	* *			
Spalling, Extent : Moderate, Area Affected : 2%								
Location : Basement At Front Wall								
Plaster	40%	4+	$1,200	LIFE	* *	5	$2,100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : Roof Hatch Area								
Ceilings								
AcousTileSusp.Lay-In	5%			2042	* *	5	$700	
Exposed Struc: Steel	25%			LIFE	* *			
Plaster	70%			LIFE	* *	5	$6,200	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2039	* *			
Free Standing Walls								
Masonry: Brick	100%	Now	$12,100	2039	* *			
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Retaining Walls								
Masonry: Brick	100%			2039	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	$13,000	2034	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Entrance To Parking Area And Northeast Corner Of Property								
On-Site Walkways								
Cast in Place Concrete	100%			2034	* *			
Parking/Driveway								
Asphalt	70%			2025	$41,400			
Cast in Place Concrete	30%			2042	* *			

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								

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FIRE DEPARTMENT - 057
ENGINE CO. 81/ LADDER CO. 46
Asset # : 13067

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%			2049	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 400 Ampere								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2049	* *	5	$300	
Raceway								
Conduit	100%			2049	* *	1		
Panelboards								
Molded Case Bkrs	100%			2045	* *	5	$300	
Wiring								
Thermoplastic	50%			2049	* *	1		
Thermoplastic	50%			2039	* *	1		
Motor Controllers								
Locally Mounted	50%			2042	* *	5		
Locally Mounted	50%			2027	$7,700	5		
Aged Component, Extent : Light, Area Affected : 100%								
Location : 1st Floor Roll-Up Gate								
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Ground Rods								
Stand-by Power								
Transfer Switches								
Automatic	100%			2042	* *	1	$2,900	
Generators								
Diesel	100%			2038	* *	1	$3,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 200 Kilowatt								
Batteries								
Lead/Acid	100%			2023	$1,600	5	$400	
Fuel Storage								
Day Tank	100%			2045	* *	5	$1,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 125 Gallon								
Lighting								
Interior Lighting								
Fluorescent	98%			2034	* *	10	$8,500	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Incandescent	2%			2029	$1,300	2		

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FIRE DEPARTMENT - 057
ENGINE CO. 81/ LADDER CO. 46
Asset # : 13067

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								
Egress Lighting								
Emergency, Service	50%			2034	* *	1		
Exit, Service	50%			2034	* *	1		
Exterior Lighting								
HID	50%			2029	$19,200	10		
No Component	50%							
Alarm								
Fire/Smoke Detection								
No Component	70%							
Generic, Analog	30%			2034	* *	1-3	$1,800	
Local/Battery Operated Detect, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								

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%			2039	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2042	* *	1	$4,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Boilers								
Distribution								
Hot Wtr Piping/Pump	100%			2037	* *	4	$500	
Terminal Devices								
Convector/Radiator	80%			2034	* *	1	$2,500	
Unit Heater - Hot Water	20%			2034	* *			
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Split Unit	5%			2034	* *			
Window/Wall Unit	75%			2024	$14,800	1		
No Component	20%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	* *	2-5	$500	
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		
System / Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
Exhaust Fans								
Interior	50%			2029	$16,900	2	$100	
Roof	20%	Now	$900	2029	$3,200	2		
Broken, Extent : Moderate, Area Affected : 30%								
Location : Roof Kitchen Exhaust Fan								
No Component	30%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	* *	1		
Water Heater								
Gas Fired	50%			2027	$2,900	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 75 Gallon Unit								
Gas Fired	50%	Now	$2,900	2029	$2,900	2	$100	
Abandoned in Place, Extent : Severe, Area Affected : 100%								
Location : Basement								
Sanitary Piping								
Cast Iron	100%	Now	$1,400	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : 1st Floor Slop Sink Engine Side								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$300	4	$300	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	98%							
Generic	2%			2024	$600	1-3	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Kitchen Hood								

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$124,900	$169,500
Total	**$124,900**	**$169,500**
Importance Code A	$124,900	$169,500
Total	**$124,900**	**$169,500**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$123,400			
Interior Architecture	$52,900			$700
Electrical	$33,200		$10,900	
Mechanical	$10,200	$1,200	$29,800	$1,200
Site Pavements	$500			
Total	**$220,200**	**$1,200**	**$40,700**	**$1,900**
Importance Code A	$124,300	$900	$900	$900
Importance Code B	$79,600	$300	$39,800	$1,000
Importance Code C	$16,300			
Total	**$220,200**	**$1,200**	**$40,700**	**$1,900**



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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	$86,200	LIFE	* *	5	$26,800	
Broken/Missing Elements, Extent : Moderate, Area Affected : 30%								
Location : Rear Facade								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%								
Location : Right Side Near Front								
Loose/Delam Surface, Extent : Severe, Area Affected : 10%								
Location : Rear Facade And Side Facade At Flat Roof								
Sidewalk Shed in Use, Extent : Moderate, Area Affected : 25%								
Location : Front Entrance Facade								
Wood Overhead Doors	15%			2027	$169,500	5	$25,100	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Left Door - 3 Glass Panes Replaced With Plywood								
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : Both Doors								
Windows								
Aluminum	100%	Now	$30,800	2045	* *	5	$1,100	
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor Office And 3rd Floor Rear								
Unit Inoperable, Extent : Severe, Area Affected : 10%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	5%	0-2	$5,000	LIFE	* *	5	$900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Main Roof Parapet								
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : Main Roof Parapet								
Masonry: Brick	85%	Now	$25,600	LIFE	* *	5	$2,100	1
Cracking/Crumbling, Extent : Severe, Area Affected : 25%								
Location : Main Roof								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 10%								
Location : Main Roof, Front Parapets Next To Tile Roof								
Spalling, Extent : Severe, Area Affected : 50%								
Location : Main Roof								
Masonry: Limestone	10%			LIFE	* *	5	$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. 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								
Roof								
Asphalt Shingle	5%	Now	$400	2032	* *			
Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%								
Location : Top Of Shed Roof								
Clay Tile	20%	Now	$16,300	2039	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Main Sloped Roof At Front Of Building								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Throughout, Particularly At 2nd Floor Front								
Other Observation, Extent : Severe, Area Affected : 20%								
Location : Front Of Building								
Explanation : Gutters Failing, Causing Extensive Interior Damage								
Roll Roofing	72%	Now	$3,900	2025	$38,700	5	$7,300	
Seams Open/Split, Extent : Moderate, Area Affected : 30%								
Location : Main Roof								
Skylight, Metal/Glass	3%	2-4	$28,900	2039	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 100%								
Location : Hose Tower								
Interior								
Floors								
Cast in Place Concrete	45%	Now	$14,000	LIFE	* *	5	$13,800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : Throughout Basement And Apparatus Floor								
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : Basement Near Front								
Ceramic Tile	15%	Now	$8,700	2038	* *	5	$1,100	
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : Kitchen								
Vinyl Tile	40%			2034	* *	3	$2,800	
Interior Walls								
Ceramic Tile	5%	Now	$500	2038	* *	5	$400	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Kitchen								
Gypsum Board	10%			LIFE	* *	5	$900	
Masonry: Brick	40%			LIFE	* *			
Masonry: Fieldstone	10%	Now	$11,300	LIFE	* *			
Other Observation, Extent : Severe, Area Affected : 10%								
Location : Basement								
Explanation : Water Penetration								
Plaster	30%	Now	$4,000	LIFE	* *	5	$1,400	
Cracking/Crumbling, Extent : Severe, Area Affected : 15%								
Location : 2nd Floor Throughout								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : 2nd Floor Front And 2nd Floor Hose Tower								
Wood	5%			LIFE	* *	5	$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. 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
Interior								
Ceilings								
AcousTileSusp.Lay-In	15%	Now	$5,500	2034	* *	5	$1,100	
Broken/Missing Elements, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Staining/Discoloring, Extent : Severe, Area Affected : 10%								
Location : 2nd Floor And Kitchen								
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : 2nd Floor, 3rd Floor Front And Kitchen								
Embossed Metal	20%	Now	$5,300	LIFE	* *	5	$1,300	
Corrosion/Rusting, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 15%								
Location : Weight Room								
Exposed Struc: Steel	30%			LIFE	* *			
Metal Panel	5%			LIFE	* *	5	$900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Shower Room								
Explanation : Metal Lay-In Panels								
Plaster	30%	2-4	$2,900	LIFE	* *	5	$2,600	
Spalling, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Locker Room And Hose Tower Scuttle								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2039	* *			
Retaining Walls								
Concrete Masonry Unit	60%			2049	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Concrete Masonry Unit Sits Upon Brick Base; Chain Link Fence Is Fastened To Concrete Masonry Unit								
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	$500	2034	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%								
Location : At Curb Cut								
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : At Curb Cut								
Activity Yard								
Cast in Place Concrete	100%			2034	* *			

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*** 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

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%			2029	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Electrical Section								
Explanation : 400 Ampere								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2039	* *	5	$200	
Raceway								
Conduit	100%			2039	* *	1		
Panelboards								
Molded Case Bkrs	30%	0-2	$12,300	2054	* *	5		
Enclosure Corroded, Extent : Moderate, Area Affected : 100%								
Location : Basement Electrical Section								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement Electrical Section Near Service Switch								
Explanation : Water Damage								
Molded Case Bkrs	70%			2037	* *	5	$200	
Wiring								
Braided Cloth	30%	2-4	$8,900	2054	* *	1		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Explanation : Insulation Aged And Brittle.								
Thermoplastic	70%			2049	* *	1		
Motor Controllers								
Locally Mounted	100%			2034	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Boiler Section								
Explanation : Motor Controllers For Heating System.								
Ground								
Grounding Devices								
Generic	100%	2-4	$10,200	LIFE	* *	5	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement Near Water Main								
Explanation : Ground Wire Rusted And Corroded.								
Lighting								
Interior Lighting								
Fluorescent	95%			2029	$24,700	10	$7,800	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Incandescent	5%			2024	$3,100	2		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Television Room 1st Floor								
Explanation : Downlights								

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FIRE DEPARTMENT - 057
ENGINE CO. 82/ LADDER CO. 31
Asset # : 13068

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								
Egress Lighting								
Exit, Battery	50%			2029	$1,700	10	$300	
Exit, Battery	50%	Now	$1,700	2039	* *			
Other Observation, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Explanation : Broken								
Exterior Lighting								
HID	25%			2029	$9,000	10		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Facade								
Explanation : Wall Mounted, Controlled Via Time Clock								
Incandescent	25%			2024	$7,700	2		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Side Yard								
Explanation : Wall Mounted								
No Component	50%							

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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$8,900	
Distribution								
Steam Piping/Pump	100%	Now	$2,000	2039	* *			
Insul. Deteriorating, Extent : Moderate, Area Affected : 50%								
Location : Basement								
Leak Evident, Extent : Moderate, Area Affected : 10%								
Location : 1st Floor Near Front Of Building								
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$2,900	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Window/Wall Unit	80%			2024	$15,000	1		
No Component	20%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Roof								
Explanation : Exterior Package Unit Abandoned In Place								
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$5,000	

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FIRE DEPARTMENT - 057
ENGINE CO. 82/ LADDER CO. 31
Asset # : 13068

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	50%			2029	$16,000	2	$100	
Roof	50%			2024	$7,500	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2024	$5,500	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 74 Gallon Units								
Sanitary Piping								
Cast Iron	100%	Now	$6,600	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 50%								
Location : 1st Floor Drains Have Sewage Backflow								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$300	4	$300	
Backflow Preventer								
No Component	95%							
Generic	5%			2037	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Boiler Only								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	98%							
Generic	2%			2027	$600	1-3	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Kitchen Hood								

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **18-Jun-2018**	**Landmark Status**	: **HISTORICAL LANDMARK DISTRICT**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **2550** **Lot** : **28**	**BIN**	: **2003609**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$215,600	$168,700
Interior Architecture	$42,000	
Electrical		$81,100
Mechanical	$38,100	$53,300
Total	**$295,800**	**$303,100**
Importance Code A	$215,600	$168,700
Importance Code B	$80,200	$134,400
Total	**$295,800**	**$303,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$16,200		$6,100	
Interior Architecture	$69,200		$400	$600
Electrical	$11,000	$100	$6,000	
Mechanical	$2,100	$900	$7,500	$900
Total	**$98,500**	**$1,000**	**$20,100**	**$1,500**
Importance Code A	$16,800	$700	$6,800	$700
Importance Code B	$36,800	$300	$13,300	$800
Importance Code C	$44,900			
Total	**$98,500**	**$1,000**	**$20,100**	**$1,500**



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FIRE DEPARTMENT - 057
ENGINE CO. 83
Asset # : 13069

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	$9,100	
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Masonry: Brick	73%	Now	$118,900	LIFE	* *	5	$17,000	
Painted Surfaces, Extent : Moderate, Area Affected : 25%								
Location : West Facade								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : North Facade								
Masonry: Granite	2%			LIFE	* *	5	$300	
Masonry: Limestone	10%			LIFE	* *	5	$1,700	
Wood Overhead Doors	10%			2034	* *	5	$11,600	
Windows								
Aluminum	100%	Now	$16,200	2037	* *	5	$600	
Air Infiltration, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	* *	5	$900	
Masonry: Brick	80%			LIFE	* *	5	$1,800	
Masonry: Limestone	5%			LIFE	* *	5	$100	
Stucco Cement	10%			2034	* *	5	$600	
Roof								
Modified Bitumen	95%			2029	$168,700	10	$10,700	
Debris Present, Extent : Moderate, Area Affected : 20%								
Location : Over Kitchen								
Skylight, Metal/Glass	5%	Now	$96,700	2059	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : Main Roof								
Deformed/Dented, Extent : Moderate, Area Affected : 50%								
Location : Main Roof								
Glazing Clouded, Extent : Moderate, Area Affected : 100%								
Location : Main Roof								
Thermally Inefficient, Extent : Moderate, Area Affected : 100%								
Location : Main Roof								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	* *	5	$12,300	
Ceramic Tile	5%	Now	$2,500	2038	* *	5	$300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : Bathrooms								
Quarry Tile	5%			2034	* *	5	$800	
Vinyl Tile	40%			2034	* *	3	$2,300	

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FIRE DEPARTMENT - 057
ENGINE CO. 83
Asset # : 13069

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	20%	Now	$9,900	2032	* *	5	$1,500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Room								
Loose Units, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Room								
Masonry: Brick	25%	Now	$35,000	LIFE	* *			
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : Basement								
Spalling, Extent : Moderate, Area Affected : 25%								
Location : Basement								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Plaster	55%			LIFE	* *	5	$2,600	
Ceilings								
AcousTileSusp.Lay-In	10%			2042	* *	5	$1,100	
Embossed Metal	30%	Now	$20,700	LIFE	* *	5	$1,500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : Apparatus Floor								
Deformed/Dented, Extent : Moderate, Area Affected : 25%								
Location : Apparatus Floor								
Exposed Concrete	20%	Now	$42,000	LIFE	* *	5	$400	
Corrosion/Rusting, Extent : Moderate, Area Affected : 25%								
Location : Steel Beams In Basement								
Exposed Reinforcement, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Other Observation, Extent : Moderate, Area Affected : 30%								
Location : Support Columns In Use								
Explanation : 30								
Gypsum Board	10%			LIFE	* *	5	$1,400	
Plaster	30%			LIFE	* *	5	$2,100	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2039	* *			
Free Standing Walls								
Concrete Masonry Unit	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2034	* *			
Parking/Driveway								
Asphalt	60%			2032	* *			
Cast in Place Concrete	40%			2034	* *			

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FIRE DEPARTMENT - 057
ENGINE CO. 83
Asset # : 13069

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%			2029	$5,600	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Main Service Rated At 200 Amperes								
Raceway								
Conduit	100%			2029	$36,400	1		
Panelboards								
Molded Case Bkrs	100%			2028	$44,700	5	$200	
Wiring								
Thermoplastic	100%			2029	$32,200	1		
Ground								
Grounding Devices								
Generic	100%	4+	$11,000	LIFE	* *	5	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement Near Water Main Service.								
Explanation : Corroded								
Lighting								
Interior Lighting								
Fluorescent	100%			2034	* *	10	$6,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Exterior Lighting								
HID	20%			2029	$5,800	10		
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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$6,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Natural Gas Fired Steam Boiler								
Distribution								
Steam Piping/Pump	100%			2039	* *			
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$2,100	
Air Conditioning								
Energy Source								
Electricity	100%			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
ENGINE CO. 83
Asset # : 13069

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								
Conversion Equipment								
Split Unit	25%	Now	$38,100	2039	* *			
Abandoned in Place, Extent : Severe, Area Affected : 50%								
Location : Roof And 2nd Floor								
Split Unit	10%			2034	* *			
Other Observation, Extent : Light, Area Affected : 25%								
Location : Kitchen								
Explanation : Kitchen								
Window/Wall Unit	40%			2024	$6,000	1		
No Component	25%							
Ventilation								
Exhaust Fans								
Roof	100%	Now	$1,200	2034	* *	2	$200	
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor Toilet Rooms								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2029	$53,300	1		
Water Heater								
Gas Fired	100%			2027	$4,400	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	98%							
Generic	2%			2024	$600	1-3	$100	

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$56,800	$49,400
Electrical	$35,800	
Mechanical	$36,500	
Total	**$129,000**	**$49,400**
Importance Code A	$56,800	$49,400
Importance Code B	$72,200	
Total	**$129,000**	**$49,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$32,800	$3,400		$200
Interior Architecture	$29,700	$1,400	$1,000	$1,000
Electrical	$2,200			
Mechanical	$9,700	$2,000	$3,600	$36,400
Site Pavements	$1,700			
Total	**$76,000**	**$6,800**	**$4,600**	**$37,600**
Importance Code A	$41,000	$4,500	$1,200	$1,400
Importance Code B	$31,400	$2,300	$2,900	$36,200
Importance Code C	$3,500		$500	
Total	**$76,000**	**$6,800**	**$4,600**	**$37,600**



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. 84
Asset # : 13070

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	60%			LIFE	* *	5	$8,100	
Masonry: Limestone	30%	Now	$56,800	LIFE	* *	5	$3,000	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Adjacent To Overhead Doors								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%								
Location : Street Facade								
Vertical Cracks, Extent : Light, Area Affected : 2%								
Location : Front Facade At 1st Floor								
Wood Overhead Doors	10%			2028	$49,400	5	$6,700	
Windows								
Aluminum	100%	Now	$3,300	2046	* *	5	$200	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 60%								
Location : Throughout								
Parapets								
Masonry: Brick	60%			LIFE	* *	5	$1,000	
Masonry: Limestone	25%			LIFE	* *	5	$500	
Metal Panel	5%			2050	* *	5	$300	
Stucco Cement	10%	Now	$5,200	2050	* *	5	$200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 100%								
Location : Located Behind Front Facade								
Roof								
Skylight, Metal/Glass	10%	Now	$24,300	2040	* *			
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Skylight Over Stairwell								
Not Accessible	90%							
Interior								
Floors								
Cast in Place Concrete	50%	Now	$5,900	LIFE	* *	5	$21,500	
Worn/Eroded, Extent : Moderate, Area Affected : 40%								
Location : Epoxy Paint Finish At Apparatus Floor								
Ceramic Tile	5%			2039	* *	5	$1,000	
Vinyl Tile	40%	Now	$1,600	2035	* *	3	$2,900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : 3rd Floor								
Wood	5%			2058	* *	5	$1,800	
Interior Walls								
Ceramic Tile	5%			2039	* *	5	$900	
Masonry: Brick	20%			LIFE	* *			
Plaster	40%	Now	$3,500	LIFE	* *	5	$2,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Hose Drying Rack And Bulkhead At Roof Level								
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		
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%			2043	* *	5	$1,000	
Embossed Metal	30%	4+	$12,000	LIFE	* *	5	$2,700	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Over Apparatus Areas								
Exposed Concrete	20%			LIFE	* *	5	$600	
Plaster	45%	Now	$6,700	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	$1,700	2035	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Ladder Side Of Sidewalk								

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%			2030	$5,600	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 200 Amperes								
Raceway								
Conduit	100%			2040	* *	1		
Panelboards								
Molded Case Bkrs	20%			2046	* *	5	$100	
Molded Case Bkrs	80%	0-2	$35,800	2055	* *	5	$100	
On Extended Life, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Wiring								
Thermoplastic	100%			2040	* *	1		
Motor Controllers								
Locally Mounted	13%	Now	$2,200	2028	$2,200	5		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : Overhead Door Operator Repeated Fails								
Locally Mounted	87%			2028	$14,500	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	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. 84
Asset # : 13070

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								
LED	100%			2035	* *			
Exterior Lighting								
HID	50%			2035	* *	10		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Perimeter								
Explanation : Operated Via Timer								
No Component	50%							

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%			2050	* *	1		
Conversion Equipment								
Steam Boiler	100%	4+	$8,300	2043	* *	1	$10,500	
Malfunctioning, Extent : Moderate, Area Affected : 10%								
Location : Boiler Overfilling And Must Be Manually Drained.								
Distribution								
Steam Piping/Pump	100%			2040	* *			
Terminal Devices								
Convector/Radiator	100%			2035	* *	1	$3,800	
Air Conditioning								
Energy Source								
Electricity	100%			2046	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%			2030	$20,800	2	$100	
Window/Wall Unit	80%			2025	$21,400	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	$36,500	2	$300	
Roof	20%			2025	$4,300	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2050	* *	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. 84
Asset # : 13070

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								
Gas Fired	100%			2025	$7,800	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	50%			LIFE	* *	1		
Cast Iron	50%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	50%			2022	$200	4	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves 1 Side Of Basement Only								
No Component	50%							
Backflow Preventer								
Generic	100%			2035	* *	1	$700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Piped From Basement Up To 1st Floor								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	98%			2028	$29,700	1-3	$4,000	
Generic	2%			2025	$600	1-3	$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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$142,300
Interior Architecture	$162,000	
Electrical		$109,300
Mechanical		$123,200
Total	**$162,000**	**$374,700**
Importance Code A		$142,300
Importance Code B	$162,000	$232,400
Total	**$162,000**	**$374,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$29,500	$4,300		$700
Interior Architecture	$42,500	$8,300	$400	$1,900
Electrical	$10,200	$100	$100	$200
Mechanical	$6,900	$2,300	$1,800	$18,400
Total	**$89,100**	**$15,000**	**$2,200**	**$21,200**
Importance Code A	$30,600	$5,400	$1,100	$1,800
Importance Code B	$51,800	$8,000	$1,200	$19,300
Importance Code C	$6,800	$1,600		
Total	**$89,100**	**$15,000**	**$2,200**	**$21,200**



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. 88
Asset # : 13071

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	80%			LIFE	* *	5	$30,500	
Masonry: Granite	3%			LIFE	* *	5	$900	
Masonry: Limestone	10%			LIFE	* *	5	$2,900	
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : Front Facade, 3rd Floor.								
Metal Sect. OHD	7%			2043	* *	5	$8,300	
Windows								
Aluminum	100%			2046	* *	5	$3,500	
Parapets								
Masonry: Brick	80%	Now	$29,500	LIFE	* *	5	$2,400	
Spalling, Extent : Moderate, Area Affected : 40%								
Location : Main Roof								
Vertical Cracks, Extent : Light, Area Affected : 2%								
Location : Main Roof								
Masonry: Limestone	20%			LIFE	* *	5	$800	
Staining/Discoloring, Extent : Light, Area Affected : 20%								
Location : Throughout								
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : Main Roof								
Roof								
Asphalt Shingle	5%			2033	* *	10	$100	
Copper/Terne	2%			2045	* *	10	$700	
Modified Bitumen	70%			2030	$142,300	10	$9,800	
Roll Roofing	20%			2026	$12,400	5	$4,700	
Skylight, Metal/Glass	3%			2040	* *	10	$1,400	
Interior								
Floors								
Cast in Place Concrete	40%	2-4	$25,100	LIFE	* *	5	$16,500	
Horizontal Cracks, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Floor								
Ceramic Tile	15%			2033	* *	5	$2,800	
Vinyl Tile	15%			2030	$25,700	3	$1,100	
Wood	30%			2058	* *	5	$10,600	
Interior Walls								
Ceramic Tile	10%			2033	* *	5	$3,200	
Gypsum Board	15%			LIFE	* *	5	$2,800	
Masonry: Brick	20%			LIFE	* *			
Marble Panels	20%			LIFE	* *			
Plaster	25%	Now	$6,800	LIFE	* *	5	$2,400	
Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
Location : Hose Tower								
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		
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%			2035	* *	5	$3,800	
Embossed Metal	30%	0-2	$10,600	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 Concrete	25%	Now	$162,000	LIFE	* *	5	$700	
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	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2043	* *			

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%			2030	$5,200	5	$100	
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	$52,200	5	$300	
Raceway								
Conduit	100%			2030	$33,500	1		
Panelboards								
Fused Disc Sw	10%			2029	$4,100	5		
Molded Case Bkrs	40%			2038	* *	5	$100	
Molded Case Bkrs	50%			2029	$20,600	5	$200	
Wiring								
Thermoplastic	100%			2030	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2028	$15,400	5	$100	
Ground								

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

FIRE DEPARTMENT - 057
ENGINE CO. 88
Asset # : 13071

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
Ground								
Grounding Devices								
Generic	100%	Now	$10,200	LIFE	* *	5	$200	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Basement								
Explanation : Ground Wire Is Corroded And Not Connected To Water Pipe								
Lighting								
Interior Lighting								
Fluorescent	100%			2030	$36,500	10	$11,600	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Exterior Lighting								
HID	20%			2030	$10,200	10		
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%			2040	* *	1		
Conversion Equipment								
Furnace	25%			2030	$7,400	1	$1,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Engine Bays								
Explanation : 3 Gas Fired Unit Heaters								
Steam Boiler	75%			2035	* *	1	$9,400	
Distribution								
Steam Piping/Pump	100%			2030	$55,700			
Terminal Devices								
Convector/Radiator	100%			2028	$67,500	1	$4,100	
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Split Unit	10%	0-2	$2,700	2035	* *			
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 2nd Floor Bunk Room								
Explanation : 1 Inefficient Unit. R-410a								
Window/Wall Unit	60%			2025	$15,800	1		
No Component	30%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2035	* *	1	$400	
No Component	90%							
Heat Rejection								
Dry Cooler	10%			2035	* *	2	$900	
No Component	90%							

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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. 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	$2,100	2		
Roof	10%	0-2	$2,100	2040	* *	2		
Obsolete Equipment, Extent : Moderate, Area Affected : 100%								
Location : Kitchen Exhaust Fan, Roof								
On Extended Life, Extent : Moderate, Area Affected : 100%								
Location : Rusted Kitchen Exhaust Fan								
Wall Unit	20%			2025	$900	2	$100	
No Component	60%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	* *	1		
Water Heater								
Gas Fired	100%			2028	$7,700	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$400	4	$400	
Fixtures								
Generic	100%							
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : 2nd And 3rd Floor Bathrooms								
Explanation : Water Leaking From Shower Pans To The Lower Floors								
Fire Suppression								
Chemical System								
No Component	98%							
Generic	2%			2023	$600	1-3	$100	

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **06-Feb-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **5419** **Lot** : **125**	**BIN**	: **2076433**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Electrical		$39,100
Total		**$39,100**
Importance Code B		$39,100
Total		**$39,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$25,800			
Interior Architecture	$48,200			$100
Electrical		$100	$19,900	
Mechanical	$29,800	$700	$6,500	$800
Site Pavements	$3,800			
Total	**$107,600**	**$800**	**$26,400**	**$800**
Importance Code A	$27,400	$500	$500	$500
Importance Code B	$49,300	$300	$25,900	$300
Importance Code C	$31,000			
Total	**$107,600**	**$800**	**$26,400**	**$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. 89/ LADDER CO. 50
Asset # : 13072

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								
Alum/Vinyl Siding	2%			2049	* *	10	$100	
Masonry: Brick	80%	Now	$9,500	LIFE	* *	5	$14,700	
Paint Peeling, Extent : Light, Area Affected : 10%								
Location : East And West Side								
Spalling, Extent : Moderate, Area Affected : 5%								
Location : West Side								
Masonry: Granite	5%			LIFE	* *	5	$700	
Masonry: Limestone	5%			LIFE	* *	5	$700	
Metal Sect. OHD	8%			2042	* *	5	$4,600	
Windows								
Aluminum	95%	Now	$2,000	2045	* *	5	$200	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Hardware Missing, Extent : Light, Area Affected : 10%								
Location : Throughout								
Metal Louvers	5%	Now	$700	2044	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 100%								
Location : West Side								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : West Side								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	* *	5	$2,000	
Masonry: Brick	75%	4+	$2,900	LIFE	* *	5	$1,000	
Diagonal Cracks, Extent : Light, Area Affected : 5%								
Location : North And West Side								
Masonry: Limestone	5%			LIFE	* *	5	$100	
Roof								
Built-Up (BUR)	98%	Now	$5,800	2034	* *			
Blisters, Extent : Moderate, Area Affected : 5%								
Location : Towards North End								
Patching Evident, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Water Penetration, Extent : Light, Area Affected : 10%								
Location : Throughout								
Skylight, Metal/Glass	2%	Now	$2,600	2049	* *			
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
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		
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	$4,100	LIFE	* *	5	$16,100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Floor								
Recent Repair Evident, Extent : Light, Area Affected : 20%								
Location : Apparatus Floor								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Basement At New Columns								
Ceramic Tile	5%	0-2	$200	2038	* *	5	$200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Kitchen								
Vinyl Tile	5%			2034	* *	3	$200	
Wood	5%			2057	* *	5	$800	
Interior Walls								
Cast in Place Concrete	20%	0-2	$13,300	LIFE	* *			
Water Penetration, Extent : Light, Area Affected : 10%								
Location : Throughout								
Gypsum Board	10%	0-2	$100	LIFE	* *	5	$600	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Marble Panels	5%			LIFE	* *			
Plaster	35%	Now	$1,500	LIFE	* *	5	$1,000	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Roof Access								
SGFT/Glazed Masonry	30%	2-4	$12,300	LIFE	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Ceilings								
AcousTileSusp.Lay-In	5%			2042	* *	5	$400	
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : Kitchen								
Exposed Concrete	5%	0-2	$300	LIFE	* *	5	$100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Exposed Struc: Steel	25%			LIFE	* *			
Plaster	65%	0-2	$15,800	LIFE	* *	5	$3,500	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			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.
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FIRE DEPARTMENT - 057
ENGINE CO. 89/ LADDER CO. 50
Asset # : 13072

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								
On-Site Walkways								
Cast in Place Concrete	100%	0-2	$3,800	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Throughout								

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%			2029	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Ampere Main Disconnect Switch								
Raceway								
Conduit	100%			2029	$33,500	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	95%			2028	$39,100	5	$100	
Wiring								
Thermoplastic	100%			2029	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
Fluorescent	100%			2029	$14,300	10	$4,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Exterior Lighting								
HID	100%			2024	$19,900	10		

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%			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. 89/ LADDER CO. 50
Asset # : 13072

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	100%	Now	$1,600	2034	* *	1	$4,400	
Corroded, Extent : Moderate, Area Affected : 5%								
Location : Boiler								
Other Observation, Extent : Light, Area Affected : 1%								
Location : Basement								
Explanation : One Unit								
Distribution								
Central Plant Steam Piping/Pmp	100%	Now	$16,700	2049	* *	4	$200	
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Terminal Devices								
Convector/Radiator	100%	Now	$500	2034	* *	1	$1,400	
Leak Evident, Extent : Moderate, Area Affected : 2%								
Location : Storage Room, Locker Room								
Air Conditioning								
Energy Source								
Electricity	100%			2051	* *	1		
Conversion Equipment								
Window/Wall Unit	75%			2022	$7,700	1		
No Component	25%							
Ventilation								
Exhaust Fans								
Interior	100%			2029	$17,500	2	$200	
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2034	* *	1		
Water Heater								
Gas Fired	100%	Now	$100	2024	$3,000	2	$100	
Malfunctioning, Extent : Moderate, Area Affected : 2%								
Location : Throughout								
Other Observation, Extent : Light, Area Affected : 1%								
Location : Basement								
Explanation : One 75 Gallon Unit								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%	Now	$200	LIFE	* *	1		
Other Observation, Extent : Moderate, Area Affected : 2%								
Location : Basement								
Explanation : Backs Up With A Heavy Rain								
Sump Pump(s)								
Submersible	100%			2022	$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. 89/ LADDER CO. 50
Asset # : 13072

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%							
Obsolete Fixtures, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Fire Suppression								
Chemical System								
Dry	10%	Now	$2,800	2029	$2,800	1-3	$300	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Kitchen								
Explanation : Obsolete								
No Component	80%							
Generic	10%			2024	$2,800	1-3	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Fire Extinguishers								

Note : 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.*

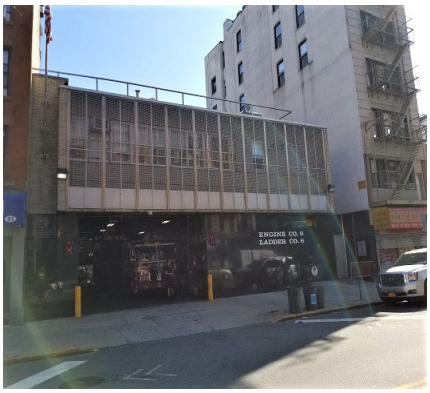
Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$133,300	$167,700
Electrical		$4,100
Total	**$133,300**	**$171,800**
Importance Code A	$133,300	$167,700
Importance Code B		$4,100
Total	**$133,300**	**$171,800**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$61,100		$8,400	
Interior Architecture	$37,600		$300	$1,200
Electrical	$12,500			
Mechanical	$4,700	$1,300	$700	$1,200
Site Pavements	$5,400			
Total	**$121,300**	**$1,300**	**$9,400**	**$2,500**
Importance Code A	$61,400	$300	$8,800	$300
Importance Code B	$49,200	$1,000	$700	$1,700
Importance Code C	$10,600			$400
Total	**$121,300**	**$1,300**	**$9,400**	**$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. 9/ LADDER CO. 6
Asset # : 13008

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	5%			LIFE	* *	5	$10,400	
Masonry: Brick Cavity	50%	Now	$20,800	LIFE	* *	5	$10,400	
Other Observation, Extent : Severe, Area Affected : 5%								
Location : Side Elevation								
Explanation : Door To Alley Broken And Unsecure								
Metal Coiling Doors	5%			2044	* *	5	$3,300	
Metal: Cage/Fence	15%			2044	* *	5	$13,600	
Marble Panels	10%			LIFE	* *	5	$3,100	
Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%								
Location : Adjacent To Overhead Door								
Wood	15%			2036	* *	5	$15,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Addition, Extension At Rear Of Building								
Explanation : Wood Panel Walls								
Windows								
Aluminum	100%	Now	$60,300	2056	* *	5	$700	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Hardware Missing, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Bunk Room								
Explanation : Thermally Inefficient								
Parapets								
Metal Rail	100%	Now	$73,100	2051	* *	5	$18,200	
Loose/Miss Fasteners, Extent : Severe, Area Affected : 50%								
Location : Main Roof								
Roof								
Modified Bitumen	100%	Now	$33,500	2031	$167,700			
Alligatoring, Extent : Light, Area Affected : 50%								
Location : Throughout								
Ponding, Extent : Light, Area Affected : 20%								
Location : Lower Roof								
Soffits								
Metal Panel	100%			2051	* *	5-10		
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	* *	5	$23,400	
Ceramic Tile	5%			2040	* *	5	$500	
Terrazzo	5%			LIFE	* *	5	$800	
Vinyl Tile	20%			2031	$19,400	3	$1,100	
Vinyl Tile 9" X 9"	20%			2026	$25,200	3	$1,100	

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*** 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		
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	$800	
Gypsum Board	25%			LIFE	* *	5-10	$7,100	
Plaster	25%			LIFE	* *	5-10	$3,600	
Patching Evident, Extent : Light, Area Affected : 1%								
Location : 2nd Floor Locker Room Area								
SGFT/Glazed Masonry	45%			LIFE	* *	10	$3,800	
Ceilings								
AcousTileSusp.Lay-In	5%	Now	$1,400	2044	* *	5	$300	
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 Concrete	45%			LIFE	* *	5-10	$6,000	
Gypsum Board	20%			LIFE	* *	5-10	$7,400	
Plaster	25%			LIFE	* *	5-10	$4,600	
Staining/Discoloring, Extent : Light, Area Affected : 15%								
Location : Apparatus Floor Area								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	$5,400	2044	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Apron Entrance To Apparatus Area								
On-Site Walkways								
Cast in Place Concrete	100%			2036	* *			

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		
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	
Raceway								
Conduit	80%			2031	$26,800	1		
Conduit	20%			2051	* *	1		
Panelboards								
Fused Disc Sw	4%			2030	$1,600	5		
Fused Disc Sw	1%			2047	* *	5		
Molded Case Bkrs	85%			2047	* *	5	$100	
Molded Case Bkrs	10%			2030	$4,100	5		

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FIRE DEPARTMENT - 057
ENGINE CO. 9/ LADDER CO. 6
Asset # : 13008

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								
Wiring								
Braided Cloth	40%	2-4	$11,800	2056	* *	1		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Explanation : Insulation Aged								
Thermoplastic	60%			2051	* *	1		
Motor Controllers								
Locally Mounted	50%			2029	$7,700	5		
Locally Mounted	50%			2044	* *	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Lighting								
Interior Lighting								
Fluorescent	5%			2026	$900	10	$300	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Waiting Room And Stairway								
LED	95%			2039	* *			
Egress Lighting								
Exit, Service	50%			2026	$400	1		
Exit, Battery	50%			2026	$1,200	10	$200	
Exterior Lighting								
LED	20%			2036	* *			
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%			2051	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2044	* *	1	$3,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	100%			2030	$10,000	4	$500	
Terminal Devices								
Convector/Radiator	80%			2029	$27,500	1	$1,700	
Unit Heater - Hot Water	20%			2039	* *			
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Apparatus Room								
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	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. 9/ LADDER CO. 6
Asset # : 13008

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								
Conversion Equipment								
Exterior Pkg Unit - Cooling	15%			2026	$7,800	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 1 Roof Top Unit								
Split Unit	10%			2031	$13,700			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : 1 Unit								
Window/Wall Unit	45%	0-2	$600	2026	$6,000	1		
Malfunctioning, Extent : Moderate, Area Affected : 25%								
Location : Various. Two Malfunctioning Window, Wall Unit								
No Component	30%							
Heat Rejection								
Air Cooled Condenser Unit	80%			2031	$7,200	2	$3,600	
No Component	20%							
Ventilation								
Distribution								
Ductwork/Diffusers	35%			LIFE	* *	2-5	$2,000	
No Component	65%							
Exhaust Fans								
Roof	20%	Now	$1,100	2031	$2,100	2		
Noisy/Vibrating, Extent : Moderate, Area Affected : 30%								
Location : Roof Exhaust Fan								
Not in Service, Extent : Light, Area Affected : 50%								
Location : Roof. Detective Belt And Burnt Motor								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : 2nd Floor Female Bathroom								
Explanation : No Ventilation In 2nd Floor Female Bathroom								
Wall Unit	10%	Now	$200	2026	$200	2		
Malfunctioning, Extent : Severe, Area Affected : 100%								
Location : Kitchen. Malfunction Kitchen Exhaust Fan								
No Component	70%							
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2036	* *	1		
Water Heater								
Gas Fired	100%			2029	$3,900	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Boiler Room								
Explanation : 2 Units 74 Gallon								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 9/ LADDER CO. 6
Asset # : 13008

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								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%	Now	$1,400	2026	$7,100	4		
Unit Inoperable, Extent : Severe, Area Affected : 100%								
Location : Basement								
Fixtures								
Generic	90%							
Generic	10%							
Leaking Faucets/Valves/Heads, Extent : Severe, Area Affected : 100%								
Location : 2nd Floor Slop Sink Leaking								
Fire Suppression								
Chemical System								
Wet	10%			2029	$2,800	1-3	$400	
No Component	90%							

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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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$80,100	
Interior Architecture	$96,900	
Electrical		$52,200
Total	**$177,000**	**$52,200**
Importance Code A	$80,100	
Importance Code B		$52,200
Importance Code C	$96,900	
Total	**$177,000**	**$52,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$31,100	$9,400		
Interior Architecture	$27,800	$1,600		$2,000
Electrical	$14,200			$16,600
Mechanical	$19,700	$1,600	$1,900	$11,600
Total	**$92,800**	**$12,500**	**$1,900**	**$30,200**
Importance Code A	$32,300	$10,500	$1,200	$1,300
Importance Code B	$60,500	$1,300	$800	$28,900
Importance Code C		$600		
Total	**$92,800**	**$12,500**	**$1,900**	**$30,200**



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FIRE DEPARTMENT - 057
ENGINE CO. 90/ LADDER CO. 41
Asset # : 13073

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	65%			LIFE	* *	5	$23,700	
Masonry: Granite	7%			LIFE	* *	5	$1,900	
Masonry: Limestone	7%	4+	$29,700	LIFE	* *	5	$1,900	
Staining/Discoloring, Extent : Moderate, Area Affected : 20%								
Location : Facades								
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	$80,100	2038	* *	5	$1,500	
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 80%								
Location : Classrooms								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Classrooms								
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	* *	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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Terrazzo On Stair Treads								
Vinyl Tile	45%	4+	$15,300	2035	* *	3	$3,200	
Worn/Eroded, Extent : Severe, Area Affected : 50%								
Location : Throughout								

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FIRE DEPARTMENT - 057
ENGINE CO. 90/ LADDER CO. 41
Asset # : 13073

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%			2043	* *	5	$1,300	
Gypsum Board	15%			LIFE	* *	5	$2,300	
Plaster	45%	Now	$59,600	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	$37,300	LIFE	* *			
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 Concrete	30%			LIFE	* *	5	$900	
Gypsum Board	10%	0-2	$2,000	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	$10,500	LIFE	* *	5	$2,300	
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	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2043	* *			

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								
Molded Case Bkrs	100%			2030	$5,200	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : No Available Nameplate Rating Capacity								

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FIRE DEPARTMENT - 057
ENGINE CO. 90/ LADDER CO. 41
Asset # : 13073

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								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2030	$52,200	5	$300	
Raceway								
Conduit	80%			2030	$26,800	1		
Conduit	20%			2050	* *	1		
Panelboards								
Molded Case Bkrs	80%			2046	* *	5	$300	
Molded Case Bkrs	20%	2-4	$8,200	2055	* *	5		
On Extended Life, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor								
Wiring								
Braided Cloth	20%	2-4	$5,900	2055	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor								
Thermoplastic	80%			2050	* *	1		
Lighting								
Interior Lighting								
Fluorescent	98%			2035	* *	10	$11,300	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
LED	2%			2038	* *			
Exterior Lighting								
HID	10%			2025	$5,000	10		
No Component	90%							

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%			2050	* *	1		
Conversion Equipment								
Furnace	10%			2035	* *	1	$600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 1 Package Unit								
Steam Boiler	90%			2043	* *	1	$11,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								

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FIRE DEPARTMENT - 057
ENGINE CO. 90/ LADDER CO. 41
Asset # : 13073

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								
Steam Piping/Pump	90%	0-2	$1,000	2040	* *			
Corroded, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Leak Evident, Extent : Moderate, Area Affected : 5%								
Location : At Front Right Corner Of Basement								
No Component	10%							
Terminal Devices								
Convector/Radiator	90%	0-2	$1,200	2035	* *	1	$3,300	
Leak Evident, Extent : Moderate, Area Affected : 5%								
Location : 3rd Floor Locker Room								
No Component	10%							
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	10%			2035	* *	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Serves Kitchen Area Only								
Explanation : R-410a Refrigerant								
Window/Wall Unit	30%			2025	$7,800	1		
Window/Wall Unit	30%	0-2	$7,800	2030	$7,800	1		
On Extended Life, Extent : Moderate, Area Affected : 100%								
Location : Inefficient Units, Various Location								
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : Bunker Room								
Explanation : Under Sized Unit								
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	$3,100	2	$100	
Wall Unit	20%	0-2	$900	2040	* *	2	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : Obsolete Unit								
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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Water Heater								
Gas Fired	100%			2030	$7,600	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 New 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%	0-2	$4,600	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 20%								
Location : Basement And 1st Floor								
Storm Drain Piping								
Cast Iron	100%	0-2	$2,600	LIFE	* *	1		
Leak Evident, Extent : Severe, Area Affected : 10%								
Location : Front Corners Of The Roof								
Sump Pump(s)								
Non-Submersible	100%	0-2	$400	2025	$1,900	4	$300	
Corroded, Extent : Moderate, Area Affected : 50%								
Location : 1 Of 2 Housings, Basement								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2025	$300	1-3		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : 1 Set								

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$61,400	
Interior Architecture	$233,500	
Electrical		$41,200
Mechanical	$65,600	
Total	**$360,600**	**$41,200**
Importance Code A	$61,400	
Importance Code B	$257,900	$41,200
Importance Code C	$41,300	
Total	**$360,600**	**$41,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$26,100			
Interior Architecture	$50,800			$1,000
Electrical	$27,500	$200	$300	$25,000
Mechanical	$46,200	$1,600	$3,600	$10,000
Total	**$150,600**	**$1,800**	**$3,900**	**$36,000**
Importance Code A	$27,600	$1,200	$1,200	$1,200
Importance Code B	$108,600	$600	$2,700	$34,800
Importance Code C	$14,400			
Total	**$150,600**	**$1,800**	**$3,900**	**$36,000**



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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
Exterior								
Exterior Walls								
Concrete Masonry Unit	2%	Now	$1,200	LIFE	* *	5	$200	
Diagonal Cracks, Extent : Moderate, Area Affected : 10%								
Location : Court Yard								
Masonry: Brick	53%			LIFE	* *	5	$7,200	
Masonry: Limestone	10%			LIFE	* *	5	$1,000	
Staining/Discoloring, Extent : Light, Area Affected : 15%								
Location : Front Facade Above 3rd Floor								
Stucco Cement	5%	Now	$2,100	2035	* *	5	$800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Bulkhead Roof Access								
Wood Overhead Doors	30%	Now	$13,800	2043	* *	5	$10,200	
Dry Rot/Decay, Extent : Light, Area Affected : 5%								
Location : East 111th Street Side								
Paint Peeling, Extent : Light, Area Affected : 5%								
Location : East 111th Street Side								
Unit Inoperable, Extent : Moderate, Area Affected : 10%								
Location : Left Door Has Trouble Opening								
Windows								
Aluminum	100%	0-2	$3,000	2038	* *	5	$200	
Worn/Eroded, Extent : Moderate, Area Affected : 15%								
Location : 1st Floor Apparatus Room								
Parapets								
Cast Stone/Terra Cotta	10%	Now	$2,000	LIFE	* *	5	$1,100	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Misaligned/Bulging, Extent : Moderate, Area Affected : 5%								
Location : Various Locations								
Caulking Deteriorated, Extent : Moderate, Area Affected : 25%								
Location : Various Locations								
Masonry: Brick	90%	0-2	$4,000	LIFE	* *	5	$1,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Various Locations								
Efflorescence, Extent : Light, Area Affected : 25%								
Location : Various Locations								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
Location : Throughout								

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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
Exterior								
Roof								
Built-Up (BUR)	100%	Now	$61,400	2035	* *			1
Drains Clogged, Extent : Moderate, Area Affected : 25%								
Location : Various Locations								
Grvl/Blst Miss/Disp, Extent : Light, Area Affected : 15%								
Location : Various Locations								
Ponding, Extent : Moderate, Area Affected : 15%								
Location : Near Roof Drains								
Water Penetration, Extent : Severe, Area Affected : 80%								
Location : Third Floor At Bulkhead, Second Floor Extension To 240 And Kitchen								
Other Observation, Extent : Light, Area Affected : 90%								
Location : Throughout Upper And Lower Roofs								
Explanation : Unable To View Due To Snow Coverage								
Interior								
Floors								
Cast in Place Concrete	40%	Now	$53,300	LIFE	* *	5	$17,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Apparatus Room Floor								
Other Observation, Extent : Severe, Area Affected : 70%								
Location : Apparatus Room								
Explanation : Structurally Insufficient								
Ceramic Tile	10%	Now	$4,100	2039	* *	5	$1,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Toilets And Showers Throughout								
Worn/Eroded, Extent : Moderate, Area Affected : 70%								
Location : Toilets And Showers Throughout								
Quarry Tile	10%	Now	$6,100	2043	* *	5	$1,500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : Kitchen								
Worn/Eroded, Extent : Light, Area Affected : 75%								
Location : Kitchen								
Vinyl Tile	40%	Now	$21,800	2035	* *	3	$3,000	
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : 2nd And 3rd Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 40%								
Location : 2nd And 3rd Floor								

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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	$1,200	2039	* *	5	$1,000	
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Staining/Discoloring, Extent : Light, Area Affected : 50%								
Location : Throughout								
Gypsum Board	10%	Now	$400	LIFE	* *	5	$1,200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Gymnasium								
Masonry: Brick	25%	Now	$41,300	LIFE	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : Basement								
Paint Peeling, Extent : Light, Area Affected : 75%								
Location : Basement								
Water Penetration, Extent : Severe, Area Affected : 80%								
Location : Basement								
Plaster	30%	Now	$2,500	LIFE	* *	5	$1,800	
Cracking/Crumbling, Extent : Severe, Area Affected : 40%								
Location : Various Locations On 2nd And 3rd Floors								
Paint Peeling, Extent : Light, Area Affected : 40%								
Location : Various Locations On 2nd And 3rd Floors								
Water Penetration, Extent : Severe, Area Affected : 40%								
Location : Rear Wall Of 240 Is Now Vacant								
SGFT/Glazed Masonry	25%	Now	$10,200	LIFE	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Room								
Diagonal Cracks, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Room								

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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								
Ceilings								
AcousTileSusp.Lay-In	1%	Now		2043	* *	5	$100	
Broken/Missing Elements, Extent : Moderate, Area Affected : 85%								
Location : Pantry								
Exposed Concrete	25%	Now	$103,100	LIFE	* *	5	$800	
Cracking/Crumbling, Extent : Severe, Area Affected : 25%								
Location : Basement								
Exposed Reinforcement, Extent : Severe, Area Affected : 15%								
Location : Basement								
Spalling, Extent : Severe, Area Affected : 15%								
Location : Basement								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Basement								
Explanation : Structurally Insufficient								
Gypsum Board	10%	Now	$4,300	LIFE	* *	5	$2,500	
Broken/Missing Elements, Extent : Severe, Area Affected : 40%								
Location : 2nd Floor Corridor								
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Toilets								
Plaster	64%	Now	$35,900	LIFE	* *	5	$8,000	
Broken/Missing Elements, Extent : Severe, Area Affected : 20%								
Location : 3rd Floor								
Staining/Discoloring, Extent : Moderate, Area Affected : 5%								
Location : Kitchen								
Water Penetration, Extent : Severe, Area Affected : 30%								
Location : 3rd Floor								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2043	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Along 111th Street								
Explanation : Unable To View Due To Snow Coverage								
On-Site Walkways								
Cast in Place Concrete	100%			2043	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Court Yard								
Explanation : Unable To View Due To Snow Coverage								
Parking/Driveway								
Cast in Place Concrete	100%			2043	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Along 111th Street								
Explanation : Unable To View Due To Snow Coverage								

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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FIRE DEPARTMENT - 057
ENGINE CO. 91
Asset # : 13074

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%	4+	$300	2040	* *	5		
Enclosure Damaged, Extent : Moderate, Area Affected : 100%								
Location : Basement Of 240 East 111th Street								
Raceway								
Conduit	100%			2030	$33,500	1		
Panelboards								
Molded Case Bkrs	100%			2029	$41,200	5	$300	
Obsolete Equipment, Extent : Severe, Area Affected : 100%								
Location : Throughout Firehouse								
Wiring								
Thermoplastic	100%			2030	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2028	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Lighting								
Interior Lighting								
Fluorescent	80%			2030	$28,500	10	$9,000	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
LED	20%			2035	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : LED Observed In Apparatus Area								
Egress Lighting								
Exit, Battery	50%			2030	$2,400	10	$400	
No Component	50%							
Exterior Lighting								
HID	50%			2025	$24,800	10		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Perimeter								
Explanation : Operated Via Timer								
No Component	50%							
Alarm								
Fire/Smoke Detection								
No Component	80%							
Generic, Analog	20%	0-2	$27,200	2040	* *	1-3	$1,400	
Local/Battery Operated Detect, Extent : Moderate, Area Affected : 100%								
Location : Throughout								

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								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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	70%	2-4	$1,000	2040	* *	1		
Corroded, Extent : Severe, Area Affected : 100%								
Location : Gas Meter Valve Rig								
Natural Gas	30%			2040	* *	1		
Conversion Equipment								
Steam Boiler	100%			2043	* *	1	$12,200	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Basement								
Distribution								
Steam Piping/Pump	100%	2-4	$5,400	2040	* *			
Insul. Deteriorating, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Terminal Devices								
Convector/Radiator	90%	2-4	$5,900	2035	* *	1	$3,200	
Damaged, Extent : Light, Area Affected : 30%								
Location : Radiator Covers								
Unit Heater - Steam	10%			2030	$4,400	4	$200	
Air Conditioning								
Energy Source								
Electricity	100%			2046	* *	1		
Conversion Equipment								
Split Unit	25%			2025	$65,600			
Window/Wall Unit	25%	4+	$1,300	2025	$6,400	1		
On Extended Life, Extent : Severe, Area Affected : 100%								
Location : Various Locations Throughout								
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	$4,400	2030	$21,900	2	$200	
Not in Service, Extent : Severe, Area Affected : 100%								
Location : Locker Room Exhaust At 3rd Floor								
Other Observation, Extent : Light, Area Affected : 10%								
Location : Kitchen								
Explanation : No Kitchen Hood System								
Roof	50%	Now	$10,200	2040	* *	2	$200	
Not in Service, Extent : Severe, Area Affected : 100%								
Location : Bedroom Exhausts At 2nd Floor Roof.								
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2035	* *	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. 91
Asset # : 13074

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								
Gas Fired	100%			2029	$7,500	2	$200	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Basement								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 75 Gallon Unit								
Sanitary Piping								
Cast Iron	100%	2-4	$9,000	LIFE	* *	1		
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Waste Line In Building 240 Basement								
Storm Drain Piping								
Cast Iron	100%	2-4	$7,700	LIFE	* *	1		
Corroded, Extent : Moderate, Area Affected : 30%								
Location : Basement								
Sump Pump(s)								
Non-Submersible	100%			2025	$1,900	4	$300	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Explanation : 1 Unit On Each Side								
Backflow Preventer								
No Component	95%							
Generic	5%			2038	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Boiler Only								
Fixtures								
Generic	100%							

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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$396,700	
Interior Architecture	$36,400	$57,700
Electrical	$117,500	
Mechanical		$154,300
Total	**$550,600**	**$212,100**
Importance Code A	$396,700	$40,900
Importance Code B	$117,500	$171,100
Importance Code C	$36,400	
Total	**$550,600**	**$212,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$42,200			
Interior Architecture	$75,900		$400	$1,300
Electrical	$4,800	$1,300	$3,100	$1,500
Mechanical	$33,900	$2,200	$2,600	$2,000
Site Pavements	$5,500			
Total	**$162,300**	**$3,500**	**$6,100**	**$4,900**
Importance Code A	$42,800	$500	$500	$500
Importance Code B	$99,200	$3,000	$5,600	$3,800
Importance Code C	$20,300			$500
Total	**$162,300**	**$3,500**	**$6,100**	**$4,900**



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. 92/ LADDER CO. 44
Asset # : 13075

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	$173,200	LIFE	* *	5	$26,900	
Painted Surfaces, Extent : Moderate, Area Affected : 75%								
Location : South And West Facade								
Vertical Cracks, Extent : Moderate, Area Affected : 5%								
Location : South Facade								
Masonry: Granite	4%			LIFE	* *	5	$2,300	
Masonry: Limestone	10%	0-2	$24,900	LIFE	* *	5	$2,900	
Staining/Discoloring, Extent : Moderate, Area Affected : 20%								
Location : Street Facade								
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	$75,500	2047	* *	5	$1,400	
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	10%	Now	$4,600	LIFE	* *	5	$2,100	
Caulking Deteriorated, Extent : Moderate, Area Affected : 30%								
Location : Cornice Joints Throughout Street Facade								
Masonry: Brick	65%	Now	$11,000	LIFE	* *	5	$1,800	
Vegetation Growth, Extent : Severe, Area Affected : 30%								
Location : Underside Of Coping								
Metal Rail	15%	4+	$600	2044	* *	5	$2,900	
Loose/Miss Fasteners, Extent : Moderate, Area Affected : 2%								
Location : Parapet Guard Rail								
Misaligned/Bulging, Extent : Moderate, Area Affected : 1%								
Location : Parapet Guard Rail								
No Component	10%							

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FIRE DEPARTMENT - 057
ENGINE CO. 92/ LADDER CO. 44
Asset # : 13075

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								
Modified Bitumen	100%	Now	$148,100	2041	* *			1
Blisters, Extent : Moderate, Area Affected : 25%								
Location : 2nd Floor Roof								
Debris Present, Extent : Severe, Area Affected : 20%								
Location : 2nd Floor Roof								
Drains Clogged, Extent : Severe, Area Affected : 2%								
Location : Lower Roof								
Drains Inad/Misposn, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Ponding, Extent : Severe, Area Affected : 5%								
Location : Main Roof								
Seams Open/Split, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Vegetation Growth, Extent : Moderate, Area Affected : 2%								
Location : Main Roof								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Third Floor Locker Room, Laundry, Gymnasium								
Interior								
Floors								
Cast in Place Concrete	40%	Now	$21,200	LIFE	* *	5	$13,900	
Water Penetration, Extent : Moderate, Area Affected : 25%								
Location : At Waste/ Sewer Line Backup, Sidewalk Vault, And Hot Water Heater In Basement								
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : Apparatus Floor								
Ceramic Tile	5%			2034	* *	5	$800	
Quarry Tile	5%			2036	* *	5	$1,200	
Sheet Vinyl/Rubber	10%			2036	* *	5	$2,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Third Floor Gymnasium								
Explanation : Interlocking Rubber Tile								
Vinyl Tile	40%	2-4	$17,300	2031	$57,700	3	$2,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Second And Third Floors								
Worn/Eroded, Extent : Moderate, Area Affected : 10%								
Location : Second And Third Floors								
Interior Walls								
Ceramic Tile	5%			2040	* *	5	$1,100	
Gypsum Board	50%			LIFE	* *	5-10	$18,600	
Masonry: Brick	20%	0-2	$36,400	LIFE	* *			
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Basement Sidewalk Vaults								
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : Sidewalk Vault								
Plaster	5%			LIFE	* *	5-10	$900	
SGFT/Glazed Masonry	20%			LIFE	* *	10	$2,200	

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FIRE DEPARTMENT - 057
ENGINE CO. 92/ LADDER CO. 44
Asset # : 13075

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	30%	4+	$2,100	2036	* *	5	$2,400	
Staining/Discoloring, Extent : Moderate, Area Affected : 5%								
Location : Kitchen Area								
Exposed Struc: Steel	25%			LIFE	* *	10	$8,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Below Apparatus Floor								
Explanation : Actually Metal Decking								
Gypsum Board	20%			LIFE	* *	5-10	$10,900	
Plaster	25%	Now	$5,600	LIFE	* *	5	$2,500	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Third Floor Locker Room								
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	$5,500	2040	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 75%								
Location : Parking Lot								
Ponding, Extent : Moderate, Area Affected : 5%								
Location : Parking Lot								
Potholes, Extent : Severe, Area Affected : 10%								
Location : Parking Lot								

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%			2041	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Main Service Disconnect Switch Rated At 600 Amperes.								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2041	* *	5	$300	
Raceway								
Conduit	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. 92/ LADDER CO. 44
Asset # : 13075

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								
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	$300	
Stand-by Power								
Transfer Switches								
Automatic	100%			2036	* *	1	$3,300	
Generators								
Diesel	100%			2034	* *	1	$4,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Yard								
Explanation : Emergency Generator Rated At 81 Kilovolt-amperes.								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$400	
Fuel Storage								
Main Tank	100%			2046	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Yard								
Explanation : 60 Gallons Rated Capacity								
Lighting								
Interior Lighting								
Fluorescent	93%			2031	$28,600	10	$9,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Fluorescent	5%	Now	$1,500	2041	* *			
Malfunctioning, Extent : Severe, Area Affected : 100%								
Location : Stair Case								
LED	2%			2039	* *			
Egress Lighting								
Emergency, Service	40%			2031	$2,200	1		
Emergency, Battery	10%	Now	$1,500	2041	* *			
Not Functioning, Extent : Severe, Area Affected : 100%								
Location : Hallways								
Exit, Service	50%	Now	$600	2041	* *	1		
Not Functioning, Extent : Severe, Area Affected : 100%								
Location : Throughout The Building								
Exterior Lighting								
HID	20%			2031	$8,600	10		
No Component	80%							
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
ENGINE CO. 92/ LADDER CO. 44
Asset # : 13075

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
Alarm								
Fire/Smoke Detection								
Generic, Analog	100%	Now	$117,500	2041	* *	1-3	$5,900	
Not in Service, Extent : Severe, Area Affected : 100%								
Location : Throughout The Building								

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%			2051	* *	1		
Conversion Equipment								
Furnace	50%			2036	* *	1	$2,600	
Other Observation, Extent : Moderate, Area Affected : 50%								
Location : Roof								
Explanation : 5 Roof Top Package Units								
Hot Water Boiler	50%			2029	$40,900	1	$2,600	
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	$400	2039	* *	4	$300	
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Throughout. Ineffective Temperature Control Device								
No Component	50%							
Terminal Devices								
Convector/Radiator	25%			2036	* *	1	$900	
Unit Heater - Steam	25%			2031	$9,500	4	$400	
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		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	50%			2036	* *	2	$300	
Other Observation, Extent : Light, Area Affected : 50%								
Location : Roof								
Explanation : 5 Rooftop Package Units. R-410a								
Poor Insulation Of Ducts Penetration Causing Water Infiltration And Leakages At 3rd Floor								
Split Unit	50%	0-2	$22,700	2031	$113,400			
Malfunctioning, Extent : Light, Area Affected : 100%								
Location : The Split Unit At The Reception Room Is Malfunctioning.								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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		
System / Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
Distribution								
Ductwork/Diffusers	100%	Now	$4,900	LIFE	* *	2-5	$5,900	
Insul. Deteriorating, Extent : Moderate, Area Affected : 10%								
Location : Roof								
Exhaust Fans								
Interior	30%			2036	* *	2	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Room								
Explanation : Undersized Exhasut Fan.								
Roof	50%			2036	* *	2	$200	
Wall Unit	20%			2031	$800	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	* *	1		
Booster Pump w/Tank, Extent : Light, Area Affected : 100%								
Location : Basement								
HW Heat Exchanger								
Steam Fired	100%			2051	* *	4	$1,600	
Sanitary Piping								
Cast Iron	100%	Now	$3,900	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 5%								
Location : Front Side Of The Basement								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : Occasional Sewer Backup At Basement								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2024	$400	4	$300	
Backflow Preventer								
Generic	100%			2036	* *	1	$700	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2051	* *	1-2	$3,000	
Fire Pump								
Generic	100%			2040	* *	1	$2,000	
Chemical System								
Wet	100%			2026	$27,900	1-3	$4,600	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Kitchen								
Explanation : Ansul System Located At The Kitchen Area								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$88,000	
Interior Architecture	$38,100	$35,800
Total	**$126,000**	**$35,800**
Importance Code A	$88,000	
Importance Code B	$38,100	$35,800
Total	**$126,000**	**$35,800**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$34,600	$16,000		
Interior Architecture	$72,400	$2,800		
Electrical	$2,900	$3,300	$800	$4,400
Mechanical	$15,200	$2,700	$11,500	$2,500
Total	**$125,100**	**$24,800**	**$12,400**	**$6,900**
Importance Code A	$35,700	$17,100	$1,100	$1,100
Importance Code B	$70,600	$7,700	$11,300	$5,800
Importance Code C	$18,900			
Total	**$125,100**	**$24,800**	**$12,400**	**$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. 93/ LADDER CO. 45
Asset # : 13076

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	$48,100	LIFE	* *	5	$29,900	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : North Facades								
Masonry: Granite	5%			LIFE	* *	5	$1,600	
Masonry: Limestone	10%	2-4	$24,900	LIFE	* *	5	$3,200	
Staining/Discoloring, Extent : Moderate, Area Affected : 40%								
Location : Throughout								
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	$9,400	LIFE	* *	5	$3,000	
Efflorescence, Extent : Moderate, Area Affected : 5%								
Location : South Facade Roof Side								
Metal Rail	15%	0-2	$300	2043	* *	5	$4,300	
Corrosion/Rusting, Extent : Light, Area Affected : 15%								
Location : Throughout								
Roof								
Roll Roofing	100%	0-2	$39,800	2032	* *	5	$12,600	
Blisters, Extent : Light, Area Affected : 50%								
Location : Throughout Upper Roof								
Water Penetration, Extent : Light, Area Affected : 15%								
Location : Several Areas Throughout								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Seams Throughout								
Explanation : Alligatoring								
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 93/ LADDER CO. 45
Asset # : 13076

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%	0-2	$18,200	LIFE	* *	5	$35,800	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Basement Area								
Ceramic Tile	6%	Now	$4,100	2039	* *	5	$1,000	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Laundry Room And Bathrooms								
Other Observation, Extent : Light, Area Affected : 20%								
Location : Throughout								
Explanation : Grout Staining								
Granite Panels	2%	Now	$1,500	LIFE	* *	5	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Interior Staircase								
Explanation : Cracks At Stair Treads								
Wood	33%	Now	$38,100	2058	* *	5	$10,100	
Deteriorated Finish, Extent : Moderate, Area Affected : 60%								
Location : Throughout 2nd And 3rd Floor								
Wood	9%			2058	* *	5	$5,500	
Interior Walls								
Ceramic Tile	1%	0-2	$300	2039	* *	5	$200	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Bathrooms								
Concrete Masonry Unit	40%			LIFE	* *	5	$7,000	
Glass: Single Pane	2%			LIFE	* *	5	$700	
Gypsum Board	22%	Now	$2,100	LIFE	* *	5	$5,800	
Cracking/Crumbling, Extent : Light, Area Affected : 1%								
Location : By Ladder Leading To Roof And Adjacent Room								
Masonry: Brick	18%	Now	$16,500	LIFE	* *			
Efflorescence, Extent : Moderate, Area Affected : 15%								
Location : South Basement Wall.								
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 2%								
Location : 2nd Floor v Room.								
Metal Panel	1%			LIFE	* *			
Plaster	5%			LIFE	* *	5	$700	
Wood	11%			LIFE	* *	5	$19,300	

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FIRE DEPARTMENT - 057
ENGINE CO. 93/ LADDER CO. 45
Asset # : 13076

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								
Exposed Concrete	40%			LIFE	* *	5	$2,000	
Exposed Struc: Steel	20%	Now	$29,500	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	$400	LIFE	* *	5	$2,000	
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	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2035	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2043	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2043	* *			

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%			2050	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Disconnect Switch								
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%			2043	* *	5	$100	
Ground								

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FIRE DEPARTMENT - 057
ENGINE CO. 93/ LADDER CO. 45
Asset # : 13076

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
Ground								
Grounding Devices								
Generic	100%	0-2	$2,000	LIFE	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Ground Clamp Severely Corroded At Water Pipe, Needs New Ground Clamp.								
Stand-by Power								
Transfer Switches								
Manual	100%			2050	* *	5	$100	
Generators								
Diesel	100%			2039	* *	1	$8,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Backyard								
Explanation : 64 Kilowatt Portable Generator								
Batteries								
Lead/Acid	100%			2023	$1,600	5	$800	
Fuel Storage								
Main Tank	100%			2058	* *	5	$600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Within Generator Enclosure								
Explanation : 60 Gallon Diesel Tank								
Lighting								
Interior Lighting								
Fluorescent	4%			2030	$2,500	10	$800	
Compact Fluorescent Light, Extent : Light, Area Affected : 30%								
Location : Second And Third Floor								
HID	1%			2030	$200	10		
LED	95%			2040	* *			
Recent Installation, Extent : Light, Area Affected : 95%								
Location : Throughout The Building								
Egress Lighting								
Emergency, Battery	50%			2035	* *	10	$2,600	
Exit, Battery	50%			2035	* *	10	$700	
Exterior Lighting								
HID	100%			2038	* *	10	$100	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Building Perimeter								

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%			2050	* *	1		
Conversion Equipment								
Furnace	50%			2030	$25,800	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		
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%			2046	* *	4	$1,600	
Terminal Devices								
Convector/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	$5,200	2035	* *	2	$1,000	
Damaged, Extent : Moderate, Area Affected : 50%								
Location : Bird Screens Missing Or Damaged On Roof								
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : 6 Units On Roof								
Window/Wall Unit	5%			2028	$2,300	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								
Gas Fired	100%	2-4	$6,700	2028	$13,300	2	$300	
Leak Evident, Extent : Moderate, Area Affected : 100%								
Location : Tank								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%			2035	* *	4	$700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Duplex Unit, One Single Unit								
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		
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								
Generic	100%			2050	* *	1-2	$6,100	
Chemical System								
No Component	90%							
Generic	10%			2028	$2,800	1-3	$400	

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **02-Jul-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors `1,2,3**		
Block	: **2762** **Lot** : **54**	**BIN**	: **2006440**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Electrical		$41,200
Mechanical		$36,400
Total		**$77,600**
Importance Code B		$77,600
Total		**$77,600**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$2,100	$500		
Interior Architecture	$24,800		$1,100	$500
Electrical	$8,000	$400	$23,300	$300
Mechanical	$15,700	$1,100	$10,000	$1,100
Site Pavements	$11,900			
Total	**$62,500**	**$2,000**	**$34,400**	**$1,900**
Importance Code A	$3,000	$1,300	$900	$800
Importance Code B	$49,500	$700	$33,500	$1,000
Importance Code C	$10,100			
Total	**$62,500**	**$2,000**	**$34,400**	**$1,900**



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FIRE DEPARTMENT - 057

ENGINE CO. 94/ LADDER CO. 48 / BATTALION 3

Asset # : 13077

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								
Alum/Vinyl Siding	8%			2039	* *	10	$400	
Cast Stone/Terra Cotta	10%			LIFE	* *	5	$11,200	
Masonry: Brick	70%			LIFE	* *	5	$10,000	
Recent Repair Evident, Extent : Light, Area Affected : 40%								
Location : Throughout								
Masonry: Granite	5%			LIFE	* *	5	$500	
Stucco Cement	2%			2042	* *	5	$700	
Wood Overhead Doors	5%			2027	$24,200	5	$3,600	
Windows								
Aluminum	100%			2051	* *	5	$2,300	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5	$2,500	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Masonry: Brick	85%			LIFE	* *	5	$2,800	
Recent Repair Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Metal Rail	5%			2046	* *	5-10	$2,900	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Main Roof								
Roof								
Asphalt Shingle	5%			2038	* *	10	$100	
Modified Bitumen	90%			2037	* *	10	$10,500	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Roll Roofing	5%			2028	$2,600	5	$1,000	
Interior								

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FIRE DEPARTMENT - 057
ENGINE CO. 94/ LADDER CO. 48 / BATTALION 3
Asset # : 13077

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	35%	4+	$1,000	LIFE	* *	5	$9,800	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Floor								
Water Penetration, Extent : Moderate, Area Affected : 2%								
Location : Basement								
Ceramic Tile	20%			2042	* *	5	$2,600	
Recent Replace Evident, Extent : Light, Area Affected : 30%								
Location : Bathrooms And Second Floor								
Quarry Tile	5%			2034	* *	5	$1,000	
Terrazzo	5%	Now	$9,600	LIFE	* *	5	$500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : Stair Treads								
Vinyl Tile	30%			2037	* *	3	$1,900	
Recent Replace Evident, Extent : Light, Area Affected : 50%								
Location : Throughout								
Wood	5%			2044	* *	5	$1,200	
Interior Walls								
Cast in Place Concrete	5%			LIFE	* *			
Ceramic Tile	10%			2042	* *	5	$1,800	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Bathrooms								
Gypsum Board	25%			LIFE	* *	5	$2,700	
Masonry: Brick	25%	Now	$9,200	LIFE	* *			
Spalling, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Front Of Building								
Plaster	30%			LIFE	* *	5	$1,600	
Wood	5%			LIFE	* *	5	$3,500	
Ceilings								
AcousTileSusp.Lay-In	20%			2042	* *	5	$2,600	
Exposed Struc: Steel	30%			LIFE	* *			
Gypsum Board	20%			LIFE	* *	5	$3,200	
Plaster	30%	4+	$1,100	LIFE	* *	5	$2,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Stair To 2nd Floor, 3rd Floor Bulkhead And Scuttle								
Site Enclosure								
Fence/Gates								
Chain Link	92%			2039	* *			
Corrosion/Rusting, Extent : Light, Area Affected : 35%								
Location : Parking Area								
Iron Picket	8%			2049	* *			
Site Pavements								

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FIRE DEPARTMENT - 057
ENGINE CO. 94/ LADDER CO. 48 / BATTALION 3
Asset # : 13077

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								
Public Sidewalk								
Cast in Place Concrete	100%	Now	$11,900	2034	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Failed Street Side								
On-Site Walkways								
Cast in Place Concrete	100%			2034	* *			
Parking/Driveway								
Asphalt	100%			2032	* *			

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%			2049	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 400 Ampere Main Switch								
Raceway								
Conduit	80%			2039	* *	1		
Conduit	20%			2049	* *	1		
Panelboards								
Molded Case Bkrs	100%			2028	$41,200	5	$200	
Wiring								
Thermoplastic	100%			2049	* *	1		
Motor Controllers								
Locally Mounted	100%			2034	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Boiler Room								
Explanation : Controls For Heating System.								
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2042	* *	1	$2,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 200 Ampere, 3 Pole, Connection For Generator								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$300	
Fuel Storage								
Day Tank	100%			2037	* *	5	$1,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 27 Gallon								

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ENGINE CO. 94/ LADDER CO. 48 / BATTALION 3
Asset # : 13077

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	30%			2034	* *	10	$2,300	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement And 1st Floor								
Fluorescent	40%			2034	* *	10	$3,100	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Incandescent	30%			2024	$17,500	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 3rd Floor, Stairs And 2nd Floor Television Room								
Explanation : Downlights								
Egress Lighting								
Emergency, Service	50%			2029	$2,200	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Emergency Lighting From Portable Emergency Generator								
Exit, Service	50%			2029	$500	1		
Exterior Lighting								
HID	30%	0-2	$5,200	2029	$10,300			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Facade								
Explanation : Wall Mounted, Controlled Via Time Clock								
Incandescent	20%			2029	$5,800	2		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Side Yard								
Explanation : Wall Mounted, Controlled Via Switch								
No Component	50%							

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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$8,400	
Distribution								
Steam Piping/Pump	100%			2039	* *			
Terminal Devices								
Convector/Radiator	90%			2034	* *	1	$2,500	
Unit Heater - Steam	10%			2024	$3,000	4	$100	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 94/ LADDER CO. 48 / BATTALION 3
Asset # : 13077

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								
Conversion Equipment								
Split Unit	20%			2029	$36,400			
Window/Wall Unit	80%			2022	$14,200	1		
Dehumidifier								
No Component	80%							
Generic	20%			2027				
Other Observation, Extent : Light, Area Affected : 20%								
Location : Basement								
Explanation : Portable								
Ventilation								
Exhaust Fans								
Roof	50%			2034	* *	2	$100	
Wall Unit	50%			2029	$1,500	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2024	$5,200	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$300	4	$300	
Backflow Preventer								
No Component	95%							
Generic	5%			2037	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Boiler Only								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	98%							
Generic	2%			2024	$600	1-3	$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.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **22-Feb-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2,3**		
Block	: **2224** **Lot** : **15**	**BIN**	: **1064801**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$164,200	
Interior Architecture	$100,100	
Electrical		$8,200
Total	**$264,400**	**$8,200**
Importance Code A	$164,200	
Importance Code B	$100,100	$8,200
Total	**$264,400**	**$8,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$56,100			
Interior Architecture	$61,500	$700		$600
Electrical			$1,100	$100
Mechanical	$18,200	$1,500	$12,900	$1,500
Site Enclosure	$3,400			
Site Pavements	$4,700			
Total	**$144,000**	**$2,200**	**$14,000**	**$2,200**
Importance Code A	$57,000	$900	$900	$900
Importance Code B	$40,300	$900	$13,100	$1,300
Importance Code C	$46,600	$400		
Total	**$144,000**	**$2,200**	**$14,000**	**$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. 95/ LADDER CO. 36
Asset # : 13078

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	3%	4+	$7,700	LIFE	* *	5	$8,000	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : South Facade								
Masonry: Brick	85%	Now	$92,900	LIFE	* *	5	$28,800	
Diagonal Cracks, Extent : Severe, Area Affected : 10%								
Location : Hose Tower								
Graffiti, Extent : Moderate, Area Affected : 15%								
Location : East Facades								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%								
Location : North And South At Front Facade								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Esat And West Facades 2nd Floor								
Masonry: Limestone	7%	Now	$27,700	LIFE	* *	5	$1,800	1
Cracking/Crumbling, Extent : Severe, Area Affected : 25%								
Location : North Facade Near Roof								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : North Facade								
Metal Sect. OHD	5%			2042	* *	5	$5,300	
Windows								
Aluminum	100%	Now	$71,400	2045	* *	5	$1,300	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 90%								
Location : Throughout								
Hardware Missing, Extent : Light, Area Affected : 10%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	15%	Now	$900	LIFE	* *	5	$2,600	
Caulking Deteriorated, Extent : Moderate, Area Affected : 10%								
Location : Throughout, Upper Roof								
Masonry: Brick	75%	Now	$5,200	LIFE	* *	5	$1,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Masonry: Limestone	10%			LIFE	* *	5	$300	
Roof								
Modified Bitumen	100%	Now	$12,000	2034	* *			
Alligatoring, Extent : Moderate, Area Affected : 10%								
Location : Main Roof Seams								
Blisters, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 10%								
Location : Hose Tower/ Bulkhead								
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : Over 2nd Floor Roof								
Explanation : Wood Deck Over Roof								

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

FIRE DEPARTMENT - 057
ENGINE CO. 95/ LADDER CO. 36
Asset # : 13078

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%	0-2	$3,000	LIFE	* *	5	$12,000	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Apparatus Floor, Basement								
Spalling, Extent : Moderate, Area Affected : 5%								
Location : Basement Gymnasium								
Ceramic Tile	5%			2038	* *	5	$500	
Vinyl Tile	45%	Now	$13,400	2024	$44,700	3	$1,800	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : 2nd And 3rd Floor								
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : 2nd And 3rd Floor								
Patching Evident, Extent : Light, Area Affected : 10%								
Location : 2nd And 3rd Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 75%								
Location : 2nd And 3rd Floor								
Interior Walls								
Ceramic Tile	5%			2038	* *	5	$800	
Concrete Masonry Unit	3%			LIFE	* *	5	$200	
Gypsum Board	2%	4+	$100	LIFE	* *	5	$200	
Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 1%								
Location : Southeast Locker Room								
Masonry: Brick	50%	Now	$34,100	LIFE	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 25%								
Location : Basement								
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Basement								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 25%								
Location : Basement								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Plaster	40%	Now	$5,600	LIFE	* *	5	$2,000	
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : 2nd, 3rd Floor And Stair To Cellar								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : 2nd And 3rd Floor East And West Sides								

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. 95/ LADDER CO. 36
Asset # : 13078

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	5%			2046	* *	5	$500	
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : Kitchen								
Exposed Concrete	25%	Now	$55,400	LIFE	* *	5	$400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 40%								
Location : Cellar Throughout								
Plaster	70%	Now	$5,300	LIFE	* *	5	$4,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : 2nd And 3rd Floors								
Paint Peeling, Extent : Light, Area Affected : 10%								
Location : 2nd And 3rd Floor								
Water Penetration, Extent : Moderate, Area Affected : 1%								
Location : 3rd Floor Southeast								
Site Enclosure								
Fence/Gates								
Chain Link	100%	4+	$1,000	2049	* *			
Corrosion/Rusting, Extent : Light, Area Affected : 15%								
Location : Rear Yard								
Free Standing Walls								
Masonry: Brick	100%	Now	$1,500	2039	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : North And South Of Front Facade								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%								
Location : North And South Of Front Facade								
Retaining Walls								
Cast in Place Concrete	90%			2049	* *			
Graffiti, Extent : Light, Area Affected : 10%								
Location : South Side Of Rear Yard								
Masonry: Brick	10%	Now	$800	2039	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : South Side Of Rear Yard								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	$400	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Front Of Building								
On-Site Walkways								
Cast in Place Concrete	100%	4+	$3,700	2034	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Rear Yard								
Ponding, Extent : Light, Area Affected : 15%								
Location : Rear Yard								

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. 95/ LADDER CO. 36
Asset # : 13078

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	$600	2034	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Front Ramp								

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%			2049	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Raceway								
Conduit	70%			2029	$23,400	1		
Conduit	30%			2049	* *	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	75%			2045	* *	5		$200
Molded Case Bkrs	20%			2028	$8,200	5		
Wiring								
Thermoplastic	75%			2049	* *	1		
Thermoplastic	25%			2029	$7,400	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5		$100
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5		$100
Lighting								
Interior Lighting								
LED	100%			2039	* *			
Egress Lighting								
Emergency, Battery	50%			2034	* *	10		$1,100
Exit, Service	50%			2034	* *	1		
Exterior Lighting								
LED	100%			2039	* *			

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%			2049	* *	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. 95/ LADDER CO. 36
Asset # : 13078

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	100%			2034	* *	1	$9,000	
Distribution								
Central Plant Steam Piping/Pmp	100%	0-2	$15,400	2039	* *	4	$400	
Insul. Deteriorating, Extent : Severe, Area Affected : 100%								
Location : Basement								
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$2,900	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	60%			2034	* *	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%			2024	$1,900	1		
No Component	30%							
Distribution								
Ductwork/Diffusers	75%			LIFE	* *	2	$8,900	
No Component	25%							
Terminal Devices								
Air Handler/Dir Expansion	35%			2034	* *	1		
No Component	65%							
Heat Rejection								
Dry Cooler	50%			2034	* *	2	$3,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : Split Units Serve 2nd Floor								
No Component	50%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$5,100	
Exhaust Fans								
Roof	75%			2034	* *	2	$200	
Wall Unit	25%	Now	$100	2029	$800	2	$100	
Other Observation, Extent : Moderate, Area Affected : 50%								
Location : 1st Floor								
Explanation : Noisy Operation								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		

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

FIRE DEPARTMENT - 057
ENGINE CO. 95/ LADDER CO. 36
Asset # : 13078

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								
Gas Fired	100%			2024	$5,500	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 75 Gallon Unit								
Sanitary Piping								
Cast Iron	25%			LIFE	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Aged Piping								
Cast Iron	75%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	50%	Now	$300	2034	* *	4	$100	
Leak Evident, Extent : Moderate, Area Affected : 50%								
Location : Cellar 1 Unit								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Units At 3 Locations								
Submersible	50%			2022	$200	4	$100	
Backflow Preventer								
No Component	95%							
Generic	5%			2034	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Boiler								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Generic	100%			2027	$27,900	1-3	$3,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen Area								
Explanation : Ansul System Serves Cooking Area								

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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **09-Jul-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **3660** **Lot** : **1**	**BIN**	: **2022629**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$261,400	
Mechanical		$54,200
Total	**$261,400**	**$54,200**
Importance Code A	$261,400	$54,200
Total	**$261,400**	**$54,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$10,000			$11,500
Interior Architecture	$2,500	$200		$400
Electrical	$6,000	$200	$200	$400
Mechanical	$43,400	$600	$12,500	$700
Site Enclosure	$22,400			
Site Pavements	$5,300			
Total	**$89,700**	**$900**	**$12,700**	**$13,000**
Importance Code A	$10,400	$300	$400	$11,900
Importance Code B	$51,200	$600	$12,300	$1,100
Importance Code C	$28,100			
Total	**$89,700**	**$900**	**$12,700**	**$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.
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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

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	90%	Now	$94,700	LIFE	* *	5	$14,700	
Corrosion/Rusting, Extent : Severe, Area Affected : 2%								
Location : 2nd Floor Relieving Angles And Lintels At Side Facades								
Diagonal Cracks, Extent : Severe, Area Affected : 5%								
Location : Right Side At Front And Side Facade Near Rear								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
Location : 2nd Floor At Window Lintels								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor Window Level And Throughout South Facade								
Metal Sect. OHD	10%			2046	* *	5	$5,100	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Main Entrance								
Windows								
Aluminum	95%	Now	$39,400	2054	* *	5	$900	
Air Infiltration, Extent : Moderate, Area Affected : 60%								
Location : Throughout								
Deteriorated Finish, Extent : Moderate, Area Affected : 55%								
Location : Throughout								
Unit Inoperable, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Glass Block	5%			LIFE	* *	5	$100	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5	$700	
Masonry: Brick	90%	Now	$10,000	LIFE	* *	5	$800	
Diagonal Cracks, Extent : Moderate, Area Affected : 15%								
Location : Throughout Main Roof								
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%								
Location : Throughout								
Roof								
Built-Up (BUR)	80%	2-4	$127,300	2039	* *			
Alligatoring, Extent : Moderate, Area Affected : 50%								
Location : Main Roof								
Debris on Roof, Extent : Light, Area Affected : 10%								
Location : Main Roof								
Grvl/Blst Miss/Disp, Extent : Moderate, Area Affected : 50%								
Location : Main Roof								
Roll Roofing	20%			2025	$9,700	5	$3,700	
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. 96/ LADDER CO. 54
Asset # : 13079

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	60%			LIFE	* *	5	$13,900	
Ceramic Tile	3%			2038	* *	5	$300	
Quarry Tile	2%			2042	* *	5	$300	
Terrazzo	5%			LIFE	* *	5	$400	
Vinyl Tile	30%			2037	* *	3	$1,600	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Interior Walls								
Cast in Place Concrete	5%			LIFE	* *			
Ceramic Tile	5%			2042	* *	5	$700	
Recent Replace Evident, Extent : Light, Area Affected : 50%								
Location : Bathrooms								
Concrete Masonry Unit	5%			LIFE	* *	5	$300	
Gypsum Board	35%			LIFE	* *	5	$3,100	
Recent Construction, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Plaster	10%			LIFE	* *	5	$400	
SGFT/Glazed Masonry	40%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	30%			2042	* *	5	$3,200	
Exposed Concrete	50%			LIFE	* *	5	$800	
Plaster	20%			LIFE	* *	5	$1,300	
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	$22,400	2059	* *			
Corrosion/Rusting, Extent : Severe, Area Affected : 90%								
Location : Throughout								
Free Standing Walls								
Concrete Masonry Unit	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2034	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Asphalt	45%	0-2	$5,300	2032	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Side Driveway								
Potholes, Extent : Moderate, Area Affected : 10%								
Location : Side Driveway								
Cast in Place Concrete	55%			2042	* *			

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

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. Site specific 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

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	95%			2049	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Electrical Section								
Explanation : 400 Ampere Fused Disconnect Switch								
Photovoltaic Panel(s)	5%			2038	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rooftop								
Explanation : Serves Hot Water Heaters								
Raceway								
Conduit	40%			2039	* *	1		
Conduit	60%			2049	* *	1		
Panelboards								
Molded Case Bkrs	100%			2045	* *	5	$200	
Wiring								
Thermoplastic	100%			2049	* *	1		
Motor Controllers								
Locally Mounted	100%			2042	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Boiler Room								
Explanation : Heating System Controls.								
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
Fluorescent	100%	0-2	$4,100	2034	* *			
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Egress Lighting								
Emergency, Battery	50%			2029	$5,100	10	$800	
Exit, Service	50%			2029	$400	1		
Exterior Lighting								
HID	10%			2029	$2,800	10		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Facade Side Yard And Roof								
Explanation : Wall Mounted And Floodlights Controlled Via Time Clock								
No Component	90%							
Alarm								
Fire/Smoke Detection								
No Component	50%							
Generic, Analog	50%	Now	$1,900	2039	* *	1-3	$2,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Broken And Missing Smoke Detectors								

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. 96/ LADDER CO. 54
Asset # : 13079

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								
Fuel Oil	100%			2039	* *	5	$2,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2,500 Gallon Tank In Vault								
Conversion Equipment								
Hot Water Boiler	100%			2027	$54,200	1	$3,500	
Distribution								
Hot Wtr Piping/Pump	100%			2037	* *	4	$300	
Terminal Devices								
Convector/Radiator	90%			2027	$33,900	1	$2,000	
Unit Heater - Steam	10%			2024	$2,500	4	$100	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Split Unit	20%	Now	$30,000	2039	* *			
Broken, Extent : Moderate, Area Affected : 50%								
Location : Roof And 2nd Floor								
Window/Wall Unit	60%			2022	$8,800	1		
No Component	20%							
Ventilation								
Exhaust Fans								
Roof	100%			2034	* *	2	$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%	Now	$1,000	2039	* *	1		
Leak Evident, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Bathroom Sink								
Water Heater								
Gas Fired	50%			2024	$2,100	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 75 Gallon Unit								
Solar	50%			2024	$6,100			
Sanitary Piping								
Cast Iron	100%	Now	$2,600	LIFE	* *	1		
Other Observation, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor Bathroom								
Explanation : Shower Drains Under Sized Causing Flooding								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$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. 96/ LADDER CO. 54
Asset # : 13079

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%			2029	$100	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Boiler Only								
Fixtures								
Generic	100%							

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **13-Jul-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **4389** **Lot** : **23**	**BIN**	: **2050740**

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$19,700		$4,600	$900
Interior Architecture	$3,100	$500		$300
Electrical	$6,200		$4,100	
Mechanical	$700	$700	$13,900	$700
Total	**$29,800**	**$1,200**	**$22,700**	**$1,900**
Importance Code A	$20,200	$500	$5,100	$1,400
Importance Code B	$8,000	$400	$17,500	$500
Importance Code C	$1,600	$300		
Total	**$29,800**	**$1,200**	**$22,700**	**$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. 97
Asset # : 13080

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	60%	4+	$7,200	LIFE	* *	5	$11,100	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : North Elevation								
Masonry: Granite	5%			LIFE	* *	5	$700	
Stucco Cement	25%			2042	* *	5	$11,600	
Wood Overhead Doors	10%			2034	* *	5	$9,300	
Windows								
Aluminum	100%			2045	* *	5	$1,900	
Parapets								
Masonry: Brick	90%			LIFE	* *	5	$1,900	
Masonry: Limestone	10%			LIFE	* *	5	$300	
Roof								
Metal Panel	10%			2042	* *	10	$1,500	
Modified Bitumen	90%	2-4	$5,300	2034	* *			
Alligatoring, Extent : Moderate, Area Affected : 20%								
Location : Main Roof								
Seams Open/Split, Extent : Moderate, Area Affected : 10%								
Location : Main Roof								
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	* *	5	$11,300	
Ceramic Tile	5%			2038	* *	5	$400	
Quarry Tile	5%			2042	* *	5	$600	
Vinyl Tile	30%			2034	* *	3	$1,300	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Interior Walls								
Ceramic Tile	5%			2038	* *	5	$600	
Gypsum Board	25%			LIFE	* *	5	$1,800	
Masonry: Brick	10%	Now	$1,000	LIFE	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : Basement								
Plaster	30%	Now	$600	LIFE	* *	5	$1,100	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Along North And East Facade								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Along North And East Facade								
SGFT/Glazed Masonry	30%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	20%			2042	* *	5	$1,700	
Exposed Concrete	35%			LIFE	* *	5	$500	
Plaster	45%			LIFE	* *	5	$2,400	
Site Enclosure								

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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

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 Enclosure								
Fence/Gates								
Chain Link	100%			2039	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 75%								
Location : Throughout								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2034	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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%			2039	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 200 Amperes								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2039	* *	5	$100	
Raceway								
Conduit	100%			2039	* *	1		
Panelboards								
Molded Case Bkrs	70%			2037	* *	5	$100	
Molded Case Bkrs	30%	2-4	$6,200	2037	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Inadequate Power In Kitchen								
Wiring								
Thermoplastic	100%			2039	* *	1		
Motor Controllers								
Locally Mounted	100%			2042	* *	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Water Main								
Lighting								
Interior Lighting								
Incandescent	10%			2024	$3,400	2		
LED	90%			2034	* *			

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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

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								
Egress Lighting								
Emergency, Battery	50%			2034	* *	10	$600	
Exit, LED	50%			2057	* *	1		
Exterior Lighting								
HID	50%			2029	$10,100	10		
No Component	50%							

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%			2039	* *	1		
Conversion Equipment								
Steam Boiler	100%			2027	$32,400	1	$5,000	
Corroded, Extent : Moderate, Area Affected : 5%								
Location : One Boiler								
Distribution								
Steam Piping/Pump	100%			2039	* *			
Terminal Devices								
Convector/Radiator	100%			2034	* *	1	$1,600	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Split Unit	10%			2029	$10,700			
Window/Wall Unit	90%			2024	$9,400	1		
Ventilation								
Exhaust Fans								
Roof	100%			2034	* *	2	$200	
Plumbing								
H/C Water Piping								
Brass/Copper	70%			2039	* *	1		
Galvanized Steel	30%			2034	* *	1		
Water Heater								
Gas Fired	100%			2024	$3,100	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 75 Gallons								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2024	$200	4	$100	

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

FIRE DEPARTMENT - 057

ENGINE CO. 97

Asset # : 13080

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	98%							
Generic	2%			2024	$600	1-3	$100	

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

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$224,700
Total		**$224,700**
Importance Code A		$224,700
Total		**$224,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$31,400	$1,500	$9,000	
Interior Architecture	$30,100		$6,700	$300
Electrical	$1,100	$600	$2,400	$600
Mechanical	$800	$1,100	$1,100	$900
Site Pavements	$12,000			
Total	**$75,400**	**$3,200**	**$19,200**	**$1,700**
Importance Code A	$31,800	$2,000	$9,400	$400
Importance Code B	$22,500	$1,300	$8,800	$1,300
Importance Code C	$21,100		$900	
Total	**$75,400**	**$3,200**	**$19,200**	**$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.154/ S.I. BORO COMMAND
Asset # : 13084

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								
Alum/Vinyl Siding	2%			2051	* *	10	$100	
Cast in Place Concrete	10%			LIFE	* *	5	$21,600	
Masonry: Brick	76%			LIFE	* *	5	$32,800	
Metal Sect. OHD	10%			2044	* *	5	$6,700	
Pre-Cast Concrete	2%	0-2	$3,000	LIFE	* *	5	$1,400	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Various Window Sills								
Windows								
Aluminum	100%			2053	* *	5	$3,000	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Parapets								
Metal Panel	5%			2051	* *	5	$400	
Metal Rail	25%			2044	* *	5-10	$9,300	
No Component	70%							
Roof								
Modified Bitumen	100%			2031	$224,700	10	$15,500	
Soffits								
Exposed Concrete	100%			LIFE	* *	5-10	$1,300	
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	* *	5	$23,600	
Ceramic Tile	30%			2044	* *	5	$4,000	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor And Bathrooms								
Terrazzo	15%			LIFE	* *	5	$3,200	
Vinyl Tile	15%			2031	$18,400	3	$1,000	
Interior Walls								
Ceramic Tile	10%			2044	* *	5	$1,900	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Bathrooms And Washroom Area								
Concrete Masonry Unit	15%			LIFE	* *	5	$2,300	
Gypsum Board	5%			LIFE	* *	5-10	$1,600	
Mosaic Tile	5%			LIFE	* *	10	$600	
Plaster	20%			LIFE	* *	5-10	$3,200	
SGFT/Glazed Masonry	45%			LIFE	* *	10	$4,200	
Ceilings								
AcousTileSusp.Lay-In	55%			2044	* *	5	$7,400	
Gypsum Board	5%			LIFE	* *	5-10	$2,300	
Plaster	40%			LIFE	* *	5-10	$9,300	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	* *			

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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.154/ S.I. BORO COMMAND
Asset # : 13084

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 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	$12,000	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 : Light, Area Affected : 100%								
Location : Driveway Apron At Apparatus Entrance								
Explanation : Recent Installation								

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%			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	$33,500	1		
Panelboards								
Molded Case Bkrs	100%			2047	* *	5	$200	
Wiring								
Braided Cloth	10%			2030	$3,000	1		
Thermoplastic	90%			2041	* *	1		
Motor Controllers								
Locally Mounted	100%			2036	* *	5	$100	
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.
*** 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		
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%			2036	* *	1	$2,800	
Generators								
Diesel	100%			2034	* *	1	$3,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outdoor Enclosure								
Explanation : 115 Kilowatts Rated Capacity								
Batteries								
Lead/Acid	100%			2024	$1,600	5	$300	
Fuel Storage								
Day Tank	25%			2039	* *	5	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Inside Emergency Generator Enclosure								
Explanation : 120 Gallon Capacity								
Main Tank	75%			2046	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Above Ground, Side Yard								
Explanation : 500 Gallon Diesel Fuel Tank								
Lighting								
Interior Lighting								
Fluorescent	10%			2031	$2,600	10	$800	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Incandescent	5%			2026	$3,100	2		
LED	85%			2039	* *			
Egress Lighting								
Emergency, Battery	50%			2036	* *	10	$1,100	
Exit, Battery	50%			2036	* *	10	$300	
Exterior Lighting								
Fluorescent	10%			2026	$3,100	10	$100	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Main Entrance								
Incandescent	5%			2026	$1,500	2		
LED	85%			2039	* *			

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%			2051	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2044	* *	1	$4,500	
Distribution								
Hot Wtr Piping/Pump	100%			2047	* *	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.154/ S.I. BORO COMMAND
Asset # : 13084

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								
Convector/Radiator	80%			2044	* *	1	$2,300	
Unit Heater - Hot Water	20%			2031	$6,800			
Air Conditioning								
Energy Source								
Electricity	100%			2047	* *	1		
Conversion Equipment								
Split Unit	45%			2036	* *			
Recent Installation, Extent : Light, Area Affected : 30%								
Location : Roof								
Window/Wall Unit	35%			2026	$6,600	1		
No Component	20%							
Terminal Devices								
Fan Coil - 2 Pipe	45%			2036	* *	1	$1,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor Sleeping Rooms								
Explanation : Indoor Units Associated With Condensing Units.								
No Component	55%							
Ventilation								
Distribution								
Not Accessible	100%							
Exhaust Fans								
Wall Unit	25%			2031	$800	2	$100	
Not Accessible	75%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Roof								
Explanation : Inaccessible Roof								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	* *	1		
Not Insulated, Extent : Light, Area Affected : 50%								
Location : 1st Floor								
Water Heater								
Gas Fired	100%			2029	$5,500	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Mechanical Room								
Explanation : Two 75 Gallon Tanks								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%			2036	* *	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.154/ S.I. BORO COMMAND
Asset # : 13084

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								
Sewage Ejector(s)								
Electric	100%			2036	* *	4	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Mechanical Room								
Explanation : Duplex Unit								
Fixtures								
Generic	30%							
Generic	70%							
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor Bathrooms								
Explanation : Recent Installation Of Bathrooms								

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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 : **28-Feb-2018**
Landmark Status : **NONE**
Areas Surveyed : **Floors 1**
Block : **2023** **Lot** : **1** **BIN** :

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$113,600	
Total	**$113,600**	
Importance Code A	$113,600	
Total	**$113,600**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$3,600			$1,500
Interior Architecture				
Electrical			$200	
Mechanical	$200	$200	$200	$200
Total	**$3,800**	**$200**	**$300**	**$1,700**
Importance Code A	$3,600			$1,500
Importance Code B	$200	$200	$300	$200
Total	**$3,800**	**$200**	**$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

FDNY BOAT MAINTENANCE @MARINE 6 NAVY YARD BLDG. 295

Asset # : 14939

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	10%			LIFE	* *	5	$8,000	
Metal Panel	70%			2055	* *	5-10	$76,700	
Metal Coiling Doors	15%	Now	$57,900	2046	* *	5	$3,700	
Bent/Warped Elements, Extent : Moderate, Area Affected : 10%								
Location : Main Door								
Unit Inoperable, Extent : Moderate, Area Affected : 10%								
Location : Main Door								
Other Observation, Extent : Light, Area Affected : 15%								
Location : Main Door								
Explanation : Unit Safety Device Malfunction, Unit Scraping Against Housing								
Window Wall	5%			2055	* *	5	$3,000	
Windows								
Metal Louvers	100%			2042	* *	10	$3,600	
Parapets								
Metal Rail	100%			2046	* *	5-10	$30,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : Observed From Ground								
Roof								
Not Accessible	100%							
Interior								
Floors								
Cast in Place Concrete	90%			LIFE	* *	5	$17,600	
Not Accessible	10%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Mezzanine								
Explanation : No Access, No Stair, No Ladder								
Interior Walls								
Metal Panel	100%			LIFE	* *			
Ceilings								
Exposed Struc: Steel	100%			LIFE	* *			
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	* *			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Asphalt	50%			2038	* *			
Cast in Place Concrete	50%			2042	* *			

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

FDNY BOAT MAINTENANCE @MARINE 6 NAVY YARD BLDG. 295

Asset # : 14939

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%			2059	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Garage Area								
Explanation : One 400 Ampere Main Disconnect Switch								
Raceway								
Conduit	100%			2059	* *	1		
Panelboards								
Fused Disc Sw	5%			2054	* *	5		
Fused Disc Sw	5%			2054	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Garage Area								
Explanation : For The Solar Panel Photovoltaic Cell								
Molded Case Bkrs	90%			2054	* *	5	$100	
Wiring								
Thermoplastic	100%			2059	* *	1		
Motor Controllers								
Locally Mounted	100%			2049	* *	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
LED	100%			2039	* *			
Egress Lighting								
Emergency, Battery	70%			2039	* *	10	$1,000	
Exit, Service	30%			2039	* *	1		
Alarm								
Security System								
No Component	80%							
Generic	20%			2039	* *	1	$500	

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								
Electricity	100%			2059	* *	1		
Terminal Devices								
Fan Coil Unit/Heat	100%			2039	* *	1	$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2054	* *	1		
Plumbing								
Storm Drain Piping								
Plastic/PVC	100%			2049	* *	1		

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FIRE DEPARTMENT - 057
FDNY BOAT MAINTENANCE @MARINE 6 NAVY YARD BLDG. 295
Asset # : 14939

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$299,200	
Electrical	$279,600	$74,200
Mechanical		$38,700
Total	**$578,800**	**$112,900**
Importance Code A	$299,200	
Importance Code B	$279,600	$112,900
Total	**$578,800**	**$112,900**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$34,200			$21,900
Interior Architecture	$95,200	$8,000	$500	$5,200
Electrical	$28,500	$1,400	$1,400	$5,500
Mechanical	$5,700	$3,500	$13,300	$24,000
Elevators/Escalators	$3,900	$3,900	$3,900	$3,900
Total	**$167,600**	**$16,800**	**$19,100**	**$60,500**
Importance Code A	$36,300	$2,100	$2,000	$24,000
Importance Code B	$95,700	$14,700	$17,100	$36,500
Importance Code C	$35,600			
Total	**$167,600**	**$16,800**	**$19,100**	**$60,500**



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.
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FIRE DEPARTMENT - 057
FDNY FIRE MUSEUM
Asset # : 14345

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								
Alum/Vinyl Siding	5%			2040	* *	10	$800	
Masonry: Brick	50%			LIFE	* *	5	$25,100	
Masonry: Limestone	10%	4+	$14,100	LIFE	* *	5	$3,800	
Staining/Discoloring, Extent : Light, Area Affected : 25%								
Location : Cornice								
Masonry: Limestone	15%			LIFE	* *	5	$5,600	
Granite Panels	5%			LIFE	* *	5	$1,900	
Stucco Cement	10%	Now	$84,200	2043	* *	5	$6,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 50%								
Location : Stair And Mechanical Room Roof Bulkheads								
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Stair And Mechanical Room Bulkheads								
Window Wall	5%			2040	* *	5	$9,400	
Windows								
Aluminum	90%			2046	* *	5	$2,500	
Wood	10%	Now	$9,000	2055	* *	5	$1,400	
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : Roof Bulkheads								
Thermally Inefficient, Extent : Moderate, Area Affected : 100%								
Location : Roof Bulkheads								
Caulking Deteriorated, Extent : Moderate, Area Affected : 100%								
Location : Roof Bulkheads								
Parapets								
Masonry: Brick	55%	Now	$11,200	LIFE	* *	5	$1,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : South Facade								
Staining/Discoloring, Extent : Moderate, Area Affected : 75%								
Location : Throughout								
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	
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : Copings Located On South Side Of Roof								
Roof								
Built-Up (BUR)	90%			2025	$215,000	10	$13,700	
Worn/Eroded, Extent : Moderate, Area Affected : 30%								
Location : Main Roof								
Modified Bitumen	5%			2035	* *	10	$800	
Skylight, Metal/Glass	5%			2050	* *	10	$2,500	
Interior								

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

FIRE DEPARTMENT - 057
FDNY FIRE MUSEUM
Asset # : 14345

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								
Carpet	25%	Now	$47,600	2029	$118,900	3	$12,000	
Worn/Eroded, Extent : Moderate, Area Affected : 30%								
Location : 2nd Floor								
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	$23,500	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Plaster	25%	Now	$12,100	LIFE	* *	5	$1,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Stair Bulkhead At Roof Level								
Staining/Discoloring, Extent : Moderate, Area Affected : 20%								
Location : Stair Bulkhead At Roof Level								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Stair Bulkhead At Roof Level								
Ceilings								
Exposed Concrete	40%	Now	$9,600	LIFE	* *	5	$2,000	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Throughout Basement								
Gypsum Board	55%			LIFE	* *	5	$22,100	
Plaster	5%	Now	$2,400	LIFE	* *	5	$1,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Stair And Equipment Room Bulkheads								
Staining/Discoloring, Extent : Moderate, Area Affected : 20%								
Location : Stair And Equipment Room Bulkheads								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2035	* *			

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%			2030	$24,100	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1,200 Ampere Main Switch								

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FIRE DEPARTMENT - 057
FDNY FIRE MUSEUM
Asset # : 14345

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								
Switchgear / Switchboard								
Fused Disc Sw	100%			2030	$37,800	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1,200 Ampere								
Raceway								
Conduit	100%			2030	$36,400	1		
Panelboards								
Molded Case Bkrs	100%	Now	$5,200	2029	$26,000	5	$300	
Mech. Misoperation, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Wiring								
Braided Cloth	70%	4+	$22,500	2055	* *	1		
On Extended Life, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Thermoplastic	30%			2040	* *	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$300	
Lighting								
Interior Lighting								
Fluorescent	15%			2030	$12,100	10	$3,000	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
HID	60%			2025		10	$400	
Incandescent	25%			2025	$75,400	2	$100	
Egress Lighting								
Emergency, Battery	50%			2035	* *	10	$2,600	
Exit, Battery	50%			2035	* *	10	$700	
Exterior Lighting								
HID	50%			2035	* *	10		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Perimeter								
Explanation : Operated Via Timer								
No Component	50%							
Alarm								
Security System								
Generic	100%			2025	$75,300	1	$8,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Fixed Cameras.								

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

FIRE DEPARTMENT - 057
FDNY FIRE MUSEUM
Asset # : 14345

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
Alarm								
Fire/Smoke Detection								
No Component	50%							
Generic, Analog	50%	2-4	$128,900	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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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								
Convector/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	$38,700	2	$700	
Plumbing								

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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
FDNY FIRE MUSEUM
Asset # : 14345

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%			2050	* *	1		
Water Heater								
Electric	100%	Now	$2,100	2025	$20,500	4	$100	
Broken, Extent : Severe, Area Affected : 10%								
Location : 3rd Floor Unit								
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd And 3rd Floor								
Explanation : Two 40 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2024	$800	4	$500	
Fixtures								
Generic	100%							
Vertical Transport								
Elevators								
Geared Traction	100%			LIFE	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st To 3rd Floor								
Explanation : 1 Unit								
Fire Suppression								
Sprinkler								
Generic	100%			2050	* *	1-2	$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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **31-Oct-2016**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Roof, Floors 1,Mez**		
Block	: **1819** **Lot** : **40**	**BIN**	:

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$3,421,800	$175,300
Interior Architecture	$1,409,700	$509,300
Electrical	$496,300	$605,000
Mechanical		$102,700
Total	**$5,327,700**	**$1,392,400**
Importance Code A	$3,421,800	$175,300
Importance Code B	$1,770,200	$707,800
Importance Code C	$135,700	$509,300
Total	**$5,327,700**	**$1,392,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$5,400			
Interior Architecture	$211,200		$4,700	$7,000
Electrical	$3,300	$40,700	$5,300	$5,900
Mechanical	$21,800	$15,700	$19,000	$9,300
Total	**$241,700**	**$56,400**	**$29,000**	**$22,100**
Importance Code A	$7,400	$2,100	$2,000	$2,000
Importance Code B	$210,900	$54,300	$26,900	$20,100
Importance Code C	$23,400			
Total	**$241,700**	**$56,400**	**$29,000**	**$22,100**



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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

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	$337,800	LIFE	* *	5	$93,500	
Caulking Deteriorated, Extent : Moderate, Area Affected : 0%								
Location : At Junction Of Metal Tunnel And Concrete At Auditorium Exit								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : At Auditorium, Simulation Room - South Facade								
Metal/Glass Curt Wall	30%	Now	$950,400	LIFE	* *	5	$35,100	1
Broken/Missing Elements, Extent : Severe, Area Affected : 75%								
Location : Throughout North Facade								
Corrosion/Rusting, Extent : Severe, Area Affected : 60%								
Location : Throughout North Facade								
Caulking Deteriorated, Extent : Severe, Area Affected : 75%								
Location : Norht Facade At Wall Penetrations And Base Of Building								
Water Penetration, Extent : Severe, Area Affected : 75%								
Location : North Facade Wall								
Metal Panel	40%	Now	$95,700	2038	* *	5	$46,700	
Corrosion/Rusting, Extent : Moderate, Area Affected : 10%								
Location : Along Wall Base								
Caulking Deteriorated, Extent : Moderate, Area Affected : 50%								
Location : Along Wall Base								
Water Penetration, Extent : Moderate, Area Affected : 50%								
Location : At Corridor Adjacent To Wall								
Other Observation, Extent : Light, Area Affected : 10%								
Location : South Facade At Entry Doors And Connector To Building 11								
Explanation : Corrugated Metal Panel								
Windows								
Aluminum	100%	Now	$5,400	2053	* *	5	$100	1
Air Infiltration, Extent : Moderate, Area Affected : 40%								
Location : North Facade - Plexiglass Panes								
Broken/Missing Elements, Extent : Severe, Area Affected : 40%								
Location : Throughout								
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 40%								
Location : Throughout								
Caulking Deteriorated, Extent : Moderate, Area Affected : 50%								
Location : All Windows								
Water Penetration, Extent : Severe, Area Affected : 40%								
Location : Underside Of Sills At Curtain Wall - North Facade								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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								
Roof								
Metal Panel	97%	Now	$2,037,800	2048	* *			
Deformed/Dented, Extent : Moderate, Area Affected : 25%								
Location : Throughout Roof Surface								
Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 50%								
Location : South Side Above Exit Tunnels And Landscaped Berms								
Seams Open/Split, Extent : Moderate, Area Affected : 40%								
Location : Throughout Roof Surface								
Water Penetration, Extent : Moderate, Area Affected : 50%								
Location : Above Main Corridor - North Side								
Skylight, Metal/Glass	3%			2048	* *	10	$17,400	
Interior								
Floors								
Carpet	15%	0-2	$152,300	2030	$152,300	3	$16,800	
Worn/Eroded, Extent : Moderate, Area Affected : 20%								
Location : Auditorium								
Cast in Place Concrete	13%	Now	$32,300	LIFE	* *	5	$21,200	
Cracking/Crumbling, Extent : Severe, Area Affected : 15%								
Location : Slab Settlements At Entrances To South And The North West Corner								
Ceramic Tile	2%			2031	$30,800	5	$1,500	
Vinyl Tile	50%			2033	* *	3	$14,000	
Vinyl Tile	15%	Now	$101,400	2038	* *	3	$4,200	
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Mezzanine, Kitchen, Staff Lounge, Simulator Room								
Wood	5%			2056	* *	5	$7,000	

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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

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	$41,800	LIFE	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 50%								
Location : Entrances To South								
Spalling, Extent : Severe, Area Affected : 10%								
Location : Simulator Room								
Ceramic Tile	5%	0-2	$18,200	2031	$60,800	5	$1,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Stair To Mezzanine								
Vertical Cracks, Extent : Moderate, Area Affected : 15%								
Location : Stair To Mezzanine								
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : Locker Rooms And Bathrooms								
Concrete Masonry Unit	48%	2-4	$93,900	LIFE	* *	5	$7,900	
Diagonal Cracks, Extent : Moderate, Area Affected : 20%								
Location : Corridors - 1st Floor And Stair F								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Base Of Walls - 1st Floor Corridors								
Fabric on Framing	10%			2026	$448,500	5	$2,100	
Glass: Single Pane	2%			LIFE	* *	5	$600	
Gypsum Board	20%	Now	$3,700	LIFE	* *	5	$5,000	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Simulator Room								
Masonry: Brick	5%			LIFE	* *			
Metal Panel	5%	2-4	$1,500	LIFE	* *			
Corrosion/Rusting, Extent : Light, Area Affected : 10%								
Location : Throughout								
Ceilings								
AcousTileConcealSpLn	5%	2-4	$3,200	2033	* *	5	$2,300	
Staining/Discoloring, Extent : Moderate, Area Affected : 30%								
Location : Male Locker Room								
AcousTileSusp.Lay-In	24%			2041	* *	5	$17,900	
Exposed Struc: Steel	70%	Now	$1,172,500	LIFE	* *			
Corrosion/Rusting, Extent : Light, Area Affected : 30%								
Location : Above Main Corridor - North Side, Stair F								
Plaster	1%			LIFE	* *	5	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Chief Office								
Explanation : Stucco Ceiling								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	30%			2041	* *			
Pavers/Stone	70%			2037	* *			
Parking/Driveway								
Asphalt	100%			2037	* *			

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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 ADMINISTRATION BLDG #9

Asset # : 131

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								
Air Circuit Breaker	30%			2054	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room 2								
Explanation : Emergency Main Service Rated At 2,000 Amperes.								
Fused Disc Sw	50%			2028	$19,800	5	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Electrical Room 1								
Explanation : Main Service Switch Rated At 4,000 Amperes								
Fused Disc Sw	20%			2028	$7,900	5		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Electrical Room 1								
Explanation : Main Service Disconnect Switch Rated At 1,200 Amperes, Serving Building No.7.								
Transformers								
Dry Type	100%			2026	$16,900	5	$100	
Other Observation, Extent : Moderate, 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%			2028	$109,600	5	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Electrical Room 1								
Explanation : 4- Vertical Sections Of Distribution Board.								
Molded Case Bkrs	30%			2054	* *	5	$300	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Electrical Room 2								
Explanation : 1- Vertical Section								
Raceway								
Conduit	95%			2028	$88,300	1		
Conduit	5%			2054	* *	1		
Panelboards								
Fused Disc Sw	5%			2027	$4,800	5		
Molded Case Bkrs	90%			2027	$86,200	5	$1,000	
Molded Case Bkrs	5%			2050	* *	5	$100	
Wiring								
Thermoplastic	95%			2028	$119,400	1		
Thermoplastic	5%			2054	* *	1		
Motor Controllers								
Locally Mounted	5%			2045	* *	5		
Motor Control Center	90%			2026	$90,800	5	$1,000	
Variable Frequency Drive	5%			2045	* *			
Ground								

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FIRE DEPARTMENT - 057

FIRE ACADEMY ADMINISTRATION BLDG #9

Asset # : 131

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
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$600	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Water Meter Room								
Explanation : Connected To Metal Water Pipe.								
Stand-by Power								
Transfer Switches								
Automatic	100%			2045	* *	1	$12,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room 2								
Explanation : 3 Automatic Transfer Switches Rated At 1,200 Amperes, 1,600 Amperes And 800 Amperes								
Generators								
Diesel	100%			2041	* *	1	$15,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside The Building								
Explanation : Emergency Generator Rated At 810 Kilowatts								
Batteries								
Lead/Acid	100%			2023	$1,600	5	$1,500	
Fuel Storage								
Main Tank	100%			2063	* *	5	$1,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 1382 Gallons Rated Capacity								
Lighting								
Interior Lighting								
Fluorescent	20%			2023	$49,200	10	$7,400	
T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor Hallways, Electrical Room								
Fluorescent	40%			2033	* *	10	$14,800	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : 2nd Floor Offices, Conference Room								
Fluorescent	20%			2036	* *	10	$7,400	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Hallways								
LED	20%			2036	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Atrium And Hallways								
Explanation : LED Light Fixtures								
Egress Lighting								
Emergency, Service	35%			2023	$7,400	1		
Emergency, Service	40%			2036	* *	1		
Exit, LED	5%			2063	* *	1		
Exit, Service	20%			2023	$2,900	1		

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FIRE DEPARTMENT - 057

FIRE ACADEMY ADMINISTRATION BLDG #9

Asset # : 131

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								
Exterior Lighting								
Fluorescent	80%			2028	$110,700	10	$3,000	
T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : Outside								
HID	10%			2028	$16,300	10		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Outside								
Explanation : 4 HID Light Fixtures Controlled By Timer Switch								
LED	10%			2036	**			
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Outside								
Explanation : LED Light Fixtures								
Alarm								
Fire/Smoke Detection								
Generic, Analog	100%	Now	$447,100	2038	**	1-3	$22,700	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Throughout The Building								
Explanation : The Fire Alarm System Is Not Functional; Alarm Bells, Manual Pull Stations, Smoke Detectors								

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								
Fuel Oil No 2	100%			2038	**	5	$12,500	
Conversion Equipment								
Hot Water Boiler	50%			2045	**	1	$10,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Boiler Room								
Explanation : 1 Unit								
Hot Water Boiler	50%			2033	**	1	$10,000	
Other Observation, Extent : Moderate, Area Affected : 50%								
Location : Boiler Room								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	100%	0-2	$3,200	2036	**	4	$2,000	
Insul. Deteriorating, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Terminal Devices								
Air Handler	70%			2036	**	1	$17,500	
Convector/Radiator	30%			2033	**	1	$3,900	
Air Conditioning								
Energy Source								
Electricity	100%			2036	**	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

FIRE ACADEMY ADMINISTRATION BLDG #9

Asset # : 131

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								
Conversion Equipment								
Reciprocating Compr/Chiller	100%			2036	* *	1	$18,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Courtyard								
Explanation : Using 4101 Refrigerant.								
Distribution								
CW & CHW Wtr Pipe/Pump	100%			2054	* *	4	$3,000	
Terminal Devices								
Air Handler/Cool/Ht	100%			2036	* *	1	$25,000	
Heat Rejection								
Air Cooled Condenser Unit	100%			2036	* *	2	$28,200	
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$22,500	
Exhaust Fans								
Roof	100%			2028	$67,100	2	$1,200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2038	* *	1		
Water Heater								
Electric	100%			2027	$35,600	4	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Boiler Room								
Explanation : 1 Unit								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$1,400	4	$1,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : 1 Unit								
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2038	* *	1-2	$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.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **02-Nov-2016**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Roof, Floors 1,2**		
Block	: **1819** **Lot** : **40**	**BIN**	: **1085912**

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture		$8,400	$100	
Interior Architecture				
Electrical				
Mechanical		$100		
Total		**$8,500**	**$100**	
Importance Code A		$8,400	$100	
Importance Code B		$100		
Importance Code C				
Total		**$8,500**	**$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
FIRE ACADEMY BURN BUILDING #5
Asset # : 13554

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	5%			LIFE	* *	5	$4,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : 2 Story Building, No Basement. This Is A Fire Demonstration Building. No Repair Needed.								
Masonry: Brick	95%			LIFE	* *	5	$15,400	
Windows								
Aluminum	50%			2044	* *	5	$200	
Metal Louvers	50%			2037	* *	10	$1,500	
Parapets								
Not Accessible	100%							
Roof								
Modified Bitumen	100%			2033	* *	10	$8,400	
Interior								
Floors								
Cast in Place Concrete	100%			LIFE	* *	5	$19,900	
Interior Walls								
Cast in Place Concrete	20%			LIFE	* *			
Concrete Masonry Unit	80%			LIFE	* *	5	$2,500	
Ceilings								
Exposed Concrete	100%			LIFE	* *	5	$1,400	

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								
Raceway								
Conduit	100%			2038	* *	1		
Panelboards								
Fused Disc Sw	50%			2036	* *	5	$100	
Molded Case Bkrs	50%			2036	* *	5	$100	
Wiring								
Thermoplastic	100%			2038	* *	1		
Motor Controllers								
Locally Mounted	100%			2033	* *	5		
Lighting								
Interior Lighting								
Fluorescent	90%			2028	$12,900	10	$5,000	
Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Fluorescent	10%			2028	$1,400	10	$600	
T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : Electrical Room								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Exterior Lighting								
HID	100%			2028	$24,500	10		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Roof And Perimeter Of The Building								
Explanation : 16 HID Light Fixtures Controlled By Timer Switch								

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	20%			2044	* *	1		
No Component	80%							
Conversion Equipment								
Split Unit	5%			2033	* *			
No Component	95%							
Ventilation								
Exhaust Fans								
Roof	100%			2033	* *	2	$200	
Plumbing								
H/C Water Piping								
Galvanized Steel	10%			2041	* *	1		
Other Observation, Extent : Light, Area Affected : 10%								
Location : 1st And 2nd Floors								
Explanation : Standpipe Only								
No Component	90%							
Fire Suppression								
Standpipe								
No Component	90%							
Generic	10%			2048	* *	1-5	$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.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	:	**31-Oct-2016**	**Landmark Status**	:	**NONE**
Areas Surveyed	:	**Roof, Floors 1,2,3,4**			
Block	:	**1819** **Lot** : **40**	**BIN**	:	**1085910**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$116,200	$157,900
Mechanical		$323,600
Total	**$116,200**	**$481,500**
Importance Code A	$116,200	$157,900
Importance Code B		$323,600
Total	**$116,200**	**$481,500**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$24,600	$19,700		
Interior Architecture	$7,700	$2,200	$6,300	
Electrical	$4,900	$38,000	$6,200	$4,900
Mechanical	$9,700	$11,500	$10,700	$5,300
Elevators/Escalators	$3,900	$3,900	$3,900	$3,900
Total	**$50,900**	**$75,400**	**$27,200**	**$14,200**
Importance Code A	$26,600	$22,200	$2,000	$2,000
Importance Code B	$24,300	$53,200	$25,200	$12,200
Importance Code C				
Total	**$50,900**	**$75,400**	**$27,200**	**$14,200**



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FIRE DEPARTMENT - 057

FIRE ACADEMY CLASSROOM BLDG. #11

Asset # : 13552

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 Cavity	50%	0-2	$70,200	LIFE	* *	5	$35,100	
Efflorescence, Extent : Light, Area Affected : 5%								
Location : North Facade								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : North Facade								
Metal Panel	35%			2048	* *	5-10	$168,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Connector From Building 9 To 11 And At Mechanical Penthouse								
Explanation : Corrugated Metal Panel								
Window Wall	15%			2048	* *	5	$39,500	
Windows								
Aluminum	95%	Now	$11,300	2044	* *	5	$6,300	
Broken/Missing Elements, Extent : Severe, Area Affected : 2%								
Location : 2nd Floor Stair Landing - South Facade								
Metal Louvers	5%			2037	* *	10	$4,200	
Parapets								
Concrete Masonry Unit	82%			LIFE	* *	5	$7,300	
Metal Panel	5%	0-2	$600	2048	* *	5	$800	
Seams Open/Split, Extent : Moderate, Area Affected : 25%								
Location : Coping Cap								
Metal Rail	5%			2041	* *	5-10	$7,100	
Pre-Cast Concrete	8%			LIFE	* *	5	$3,900	
Roof								
IRMA/Protected Membrane	100%	Now	$12,600	2033	* *			
Broken Paver Blocks, Extent : Moderate, Area Affected : 20%								
Location : Rooftop Walkways								
Debris Present, Extent : Moderate, Area Affected : 15%								
Location : Rooftop								
Insul Miss/Displaced, Extent : Moderate, Area Affected : 15%								
Location : Various Locations Throughout								
Paver Block Ballast, Extent : Light, Area Affected : 30%								
Location : Rooftop Walkways								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Lower Roof - North West Corner Of Building - Above New Cafeteria								
Interior								
Floors								
Carpet	5%			2027	$40,600	3	$4,500	
Cast in Place Concrete	10%			LIFE	* *	5	$13,000	
Ceramic Tile	15%			2037	* *	5	$8,900	
Sheet Vinyl/Rubber	5%			2033	* *	5	$4,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 3rd Floor								
Explanation : Gymnasium Floor								
Vinyl Tile	65%			2033	* *	3	$14,500	

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 CLASSROOM BLDG. #11

Asset # : 13552

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								
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	* *			
Ceilings								
AcousTileSusp.Lay-In	35%			2041	* *	5	$20,900	
Exposed Struc: Steel	50%			LIFE	* *			
Metal Panel	15%	Now	$3,200	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%			2041	* *			
Parking/Driveway								
Asphalt	100%			2037	* *			

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								
Molded Case Bkrs	100%			2048	* *	5	$1,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : Main Service Disconnect Switch Rated At 1,200 Amperes								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2048	* *	5	$1,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : Nameplate Rating: 2 Sections With Main Bus Rating Of 1,200 Amperes.								
Raceway								
Conduit	100%			2048	* *	1		
Panelboards								
Fused Disc Sw	10%			2044	* *	5	$100	
Molded Case Bkrs	90%			2044	* *	5	$900	
Wiring								
Thermoplastic	100%			2048	* *	1		
Motor Controllers								
Variable Frequency Drive	100%			2041	* *			
Ground								

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FIRE DEPARTMENT - 057

FIRE ACADEMY CLASSROOM BLDG. #11

Asset # : 13552

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
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Water Meter Room								
Explanation : Connected To Metal Water Pipe								
Stand-by Power								
Transfer Switches								
Automatic	100%			2041	* *	1	$12,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : Asco 7,000 Series; No Available Nameplate Ampere Ratings								
Lighting								
Interior Lighting								
Fluorescent	85%			2033	* *	10	$31,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps And Controlled By Occupancy Sensors								
LED	15%			2033	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Cafeteria, Hallways								
Explanation : LED Light Fixtures Are Controlled By Occupancy Sensors								
Egress Lighting								
Emergency, Service	50%			2033	* *	1		
Emergency, Battery	10%			2033	* *	10	$1,000	
Exit, LED	40%			2056	* *	1		
Exterior Lighting								
HID	55%			2033	* *	10	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 6 HID Light Fixtures And Controlled By Photocells								
LED	45%			2033	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 5 LED Light Fixtures Are Controlled By Photocells								
Alarm								
Security System								
Generic	100%			2033	* *	1	$14,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 2 CCTV Surveillance Cameras								
Fire/Smoke Detection								
Generic, Digital	100%			2033	* *	1-3	$24,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : Strobe Lights, Horns, Manual Pull Stations, Smoke Detectors And Alarm Bells								

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FIRE DEPARTMENT - 057

FIRE ACADEMY CLASSROOM BLDG. #11

Asset # : 13552

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								
Fuel Oil No 2	100%			2048	* *	5	$12,300	
Conversion Equipment								
Hot Water Boiler	100%			2041	* *	1	$19,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Boiler Room								
Explanation : Two Units - Also Serviing Adjacent Building No.12 As Well.								
Distribution								
Hot Wtr Piping/Pump	100%			2044	* *	4	$2,000	
Terminal Devices								
Air Handler	80%			2033	* *	1	$19,700	
Convector/Radiator	20%			2041	* *	1	$2,600	
Air Conditioning								
Energy Source								
Electricity	100%			2044	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	80%			2028	$257,600	2	$2,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 2 Units								
No Component	20%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$22,200	
Exhaust Fans								
Roof	100%	Now	$3,300	2028	$66,000	2	$1,000	
Noisy/Vibrating, Extent : Severe, Area Affected : 60%								
Location : Roof								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2048	* *	1		
Water Heater								
Oil Fired	100%			2028	$33,000	1	$1,200	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Boiler Room								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Boiler Room								
Explanation : Two 250 Gallon Tanks								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		

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FIRE DEPARTMENT - 057
FIRE ACADEMY CLASSROOM BLDG. #11
Asset # : 13552

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%			2033	* *		1	$2,400	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Water Meter Room									
Explanation : Two Units. One For Sprinkler And One For Water Main.									
Fixtures									
Generic	100%								
Vertical Transport									
Elevators									
Geared Traction	100%			LIFE	* *				
Other Observation, Extent : Light, Area Affected : 100%									
Location : 1st To 4th Floor									
Explanation : One Unit									
Fire Suppression									
Sprinkler									
Generic	100%			2048	* *		1-2	$11,100	

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **10-Jul-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Roof, Floors 1,2**		
Block	: **1819** **Lot** : **40**	**BIN**	:

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$91,900
Total		**$91,900**
Importance Code A		$91,900
Total		**$91,900**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$26,400			
Interior Architecture				
Electrical		$100		
Mechanical			$100	
Total	**$26,400**	**$100**	**$100**	
Importance Code A	$26,400			
Importance Code B		$100	$100	
Importance Code C				
Total	**$26,400**	**$100**	**$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

FIRE ACADEMY FIRE TRAINING BLDG #3

Asset # : 1989

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	90%			LIFE	* *	5	$14,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Building Is Used As A Training Apparatus For The Fire Department								
Metal Coiling Doors	10%	0-2	$9,700	2034	* *	5	$2,500	
Deformed/Dented, Extent : Light, Area Affected : 10%								
Location : Throughout								
Windows								
Aluminum	100%	2-4	$16,700	2037	* *	5	$400	2
Broken/Missing Elements, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Building Is Used As A Training Apparatus For The Fire Department								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5	$400	
Masonry: Brick	90%			LIFE	* *	5	$500	
Roof								
Modified Bitumen	100%			2029	$91,900	10	$6,300	
Interior								
Floors								
Cast in Place Concrete	100%			LIFE	* *	5	$13,300	
Interior Walls								
Concrete Masonry Unit	100%			LIFE	* *	5	$4,700	
Ceilings								
Exposed Concrete	100%			LIFE	* *	5	$1,300	

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								
Raceway								
Conduit	100%			2039	* *	1		
Panelboards								
Molded Case Bkrs	100%			2028	$23,900	5	$100	
Wiring								
Thermoplastic	100%			2029	$19,800	1		
Lighting								
Exterior Lighting								
HID	100%			2034	* *	10		

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

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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	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								
Galvanized Steel	10%			2034	* *	1		
Other Observation, Extent : Light, Area Affected : 10%								
Location : 2 Floors								
Explanation : For Demonstration - Standpipe Only								
No Component	90%							
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Other Observation, Extent : Light, Area Affected : 10%								
Location : 1, 2, Roof								
Explanation : Roof Drains Only								
Fire Suppression								
Standpipe								
No Component	90%							
Generic	10%			2039	* *	1-5	$200	

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Print Date : 26-Oct-2020

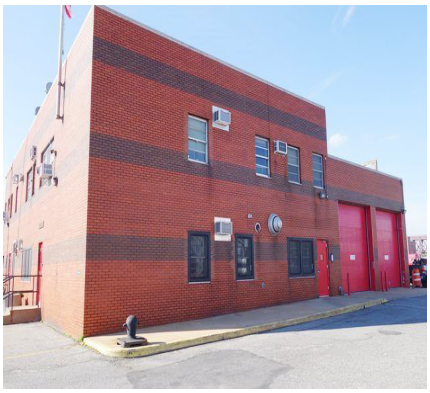
FIRE DEPARTMENT - FY 2021

Asset Name : **FIRE ACADEMY FIRST LINE SUPERVISORS BLDG #8**
Address : **RANDALLS ISLAND**
Borough : **MANHATTAN**
Program / Asset # : **FIR0003.070 / 1992**
Area Sq Ft : **9,594**
Date of Survey : **01-Nov-2016**
Areas Surveyed : **Roof, Floors 1,2**
Block : **1819** **Lot** : **40**

Agency's Number : **N/A**
Yr Built/Renovated : **1975 / 2008**
Project Type : **FIRE DEPARTMENT**
Landmark Status : **NONE**
BIN :

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$330,600	
Electrical		$48,400
Total	**$330,600**	**$48,400**
Importance Code A	$330,600	
Importance Code B		$48,400
Total	**$330,600**	**$48,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$24,200			
Interior Architecture	$21,100		$900	
Electrical	$2,100	$27,900	$300	$300
Mechanical	$2,000	$18,300	$1,900	$800
Site Pavements	$300			
Total	**$49,700**	**$46,200**	**$3,100**	**$1,100**
Importance Code A	$24,700	$500	$500	$500
Importance Code B	$24,500	$45,700	$2,600	$700
Importance Code C	$500			
Total	**$49,700**	**$46,200**	**$3,100**	**$1,100**



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Estimates are rounded to the nearest hundred dollars.
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FIRE DEPARTMENT - 057

FIRE ACADEMY FIRST LINE SUPERVISORS BLDG #8

Asset # : 1992

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 Cavity	83%	0-2	$139,600	LIFE	* *	5	$17,400	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : East/ South Façade At Windows, Base Of Building, Chimney Flue, Various Locations And West Façade At Entry Door								
Staining/Discoloring, Extent : Moderate, Area Affected : 15%								
Location : At Wall Pentrations								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Door Thresholds At South Facade								
Weathering Steel	7%			LIFE	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : North Facade								
Explanation : This Is An Exterior Egress Stair								
Wood Overhead Doors	10%	Now	$14,200	2033	* *	5	$5,300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : North Facade								
Deteriorated Finish, Extent : Moderate, Area Affected : 50%								
Location : North Facade								
Windows								
Aluminum	70%	Now	$5,000	2036	* *	5	$200	
Air Infiltration, Extent : Severe, Area Affected : 50%								
Location : All Windows								
Bent/Warped Elements, Extent : Severe, Area Affected : 20%								
Location : 2nd Floor Window Sills								
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor Windows								
Aluminum	30%			2036	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Ground Floor								
Explanation : Protective Metal Grilles								
Parapets								
Masonry: Brick Cavity	90%	0-2	$4,700	LIFE	* *	5	$1,900	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
Location : Various Locations - Exterior Parapet Wall								
Pre-Cast Concrete	10%	0-2	$400	LIFE	* *	5	$1,300	
Caulking Deteriorated, Extent : Moderate, Area Affected : 20%								
Location : Coping Stones								
Vegetation Growth, Extent : Light, Area Affected : 20%								
Location : Coping Stones								

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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

FIRE ACADEMY FIRST LINE SUPERVISORS BLDG #8

Asset # : 1992

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								
Modified Bitumen	100%	Now	$191,000	2038	* *			
Blisters, Extent : Severe, Area Affected : 25%								
Location : Various Locations Throughout								
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 15%								
Location : Perimeter Flashing, Lower Roof								
Ponding, Extent : Moderate, Area Affected : 30%								
Location : Upper And Lower Roofs								
Seams Open/Split, Extent : Moderate, Area Affected : 25%								
Location : Various Locations Throughout								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Bathroom And First Floor Room 1								
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Upper And Lower Roofs								
Interior								
Floors								
Cast in Place Concrete	30%	0-2	$8,100	LIFE	* *	5	$8,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Thresholds Below Overhead Doors And Apparatus Floor								
Ceramic Tile	5%			2037	* *	5	$600	
Quarry Tile	5%			2041	* *	5	$900	
Vinyl Tile	60%			2033	* *	3	$2,700	
Recent Replace Evident, Extent : Light, Area Affected : 40%								
Location : First Floor								
Interior Walls								
Ceramic Tile	5%			2037	* *	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%	2-4	$12,600	2041	* *	5	$3,600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : Meter Room, Logistics/ Hazmat, Office Area								
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Room 1								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Room 1, 2nd Floor Bathroom								
Exposed Struc: Steel	25%			LIFE	* *			
Gypsum Board	15%			LIFE	* *	5	$2,300	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2048	* *			
Site Pavements								

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FIRE DEPARTMENT - 057

FIRE ACADEMY FIRST LINE SUPERVISORS BLDG #8

Asset # : 1992

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								
On-Site Walkways								
Cast in Place Concrete	100%	Now	$300	2041	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 15%								
Location : Apron At Overhead Doors And Entry Pad (South)								
Parking/Driveway								
Asphalt	100%			2037	* *			

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%			2028	$2,700	5		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Electrical Room								
Explanation : 2- Main Service Switches Rated At 400 Amperes Each.								
Raceway								
Conduit	100%			2028	$14,800	1		
Panelboards								
Fused Disc Sw	10%			2027	$2,400	5		
Molded Case Bkrs	80%			2027	$19,200	5	$200	
Molded Case Bkrs	10%			2036	* *	5		
Wiring								
Thermoplastic	100%			2028	$19,800	1		
Motor Controllers								
Locally Mounted	100%			2026	$48,400	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Water Meter Room								
Explanation : Connected To Metal Water Pipe								
Stand-by Power								
Transfer Switches								
Automatic	100%			2026	$23,500	1	$3,000	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Electrical Room								
Explanation : No Available Amperage Nameplate Rating								
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 FIRST LINE SUPERVISORS BLDG #8

Asset # : 1992

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	75%			2023	$16,900	10	$6,600	
T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Fluorescent	20%			2028	$4,500	10	$1,800	
T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : Hallway And 2nd Floor								
Fluorescent	5%	Now	$1,100	2038	* *			
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Locker Room								
Explanation : Not Functional : T12 Lamps								
Egress Lighting								
Emergency, Service	80%			2023	$4,000	1		
Exit, Service	20%	Now	$600	2038	* *	1		
Not Functioning, Extent : Severe, Area Affected : 100%								
Location : 2nd Floor								
Exterior Lighting								
HID	100%			2036	* *	10		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 8 HID Light Fixtures Controlled By Photocell								

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								
Fuel Oil No 2	100%			2038	* *	5	$3,000	
Conversion Equipment								
Hot Water Boiler	100%			2033	* *	1	$4,700	
Boiler Used For Hot Water, Extent : Light, Area Affected : 100%								
Location : Boiler Room								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Boiler Room								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	100%			2036	* *	4	$500	
Terminal Devices								
Air Handler	20%			2028	$27,000	1	$1,200	
Convector/Radiator	70%			2033	* *	1	$2,200	
Unit Heater - Steam	10%			2028	$3,400	4	$100	
Air Conditioning								
Energy Source								
Electricity	100%			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

FIRE ACADEMY FIRST LINE SUPERVISORS BLDG #8

Asset # : 1992

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								
Conversion Equipment								
Window/Wall Unit	80%			2023	$16,000	1		
No Component	20%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$5,400	
Exhaust Fans								
Roof	20%			2028	$3,200	2	$100	
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2038	* *	1		
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sewage Ejector(s)								
Electric	100%	Now	$1,100	2033	* *	4	$400	
Broken, Extent : Moderate, Area Affected : 40%								
Location : Sewer Ejectors Located In Pit Adjacent To Building, One Pump Out Of Service And Another Has Float Problem								
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	85%							
Generic	15%			2038	* *	1-2	$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.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **01-Nov-2016**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Roof, Floors 1,2**		
Block	: **1819** **Lot** : **40**	**BIN**	:

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$51,200
Electrical		$129,100
Mechanical	$78,900	$81,200
Total	**$78,900**	**$261,500**
Importance Code A		$132,400
Importance Code B	$78,900	$129,100
Total	**$78,900**	**$261,500**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$32,900	$400		
Interior Architecture	$35,300			$300
Electrical	$2,600	$10,400	$800	$700
Mechanical	$1,100	$14,100	$2,200	$1,000
Site Pavements				
Total	**$72,000**	**$24,900**	**$3,000**	**$2,100**
Importance Code A	$33,400	$900	$500	$500
Importance Code B	$36,200	$24,000	$2,500	$1,500
Importance Code C	$2,300			
Total	**$72,000**	**$24,900**	**$3,000**	**$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

FIRE ACADEMY MASK SERVICE UNIT BLDG #7

Asset # : 1991

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 Cavity	57%			LIFE	* *	5	$4,000	
Masonry: Brick Cavity	25%	0-2	$6,900	LIFE	* *	5	$1,700	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
Location : 2nd Story And Rear Walls								
Caulking Deteriorated, Extent : Moderate, Area Affected : 25%								
Location : At Expansion Joints And Window Openings								
Staining/Discoloring, Extent : Moderate, Area Affected : 15%								
Location : Various Locations Throughout Side And Rear Elevations								
Metal Sect. OHD	15%			2041	* *	5	$3,300	
Window Wall	3%			2048	* *	5	$800	
Windows								
Aluminum	65%	Now	$2,100	2053	* *	5		1
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : 2nd Story And Rear Windows At Sills								
Misaligned/Bulging, Extent : Severe, Area Affected : 50%								
Location : 2nd Story								
Aluminum	35%			2044	* *	5		
Parapets								
Masonry: Brick Cavity	60%			LIFE	* *	5	$1,700	
Masonry: Brick Cavity	25%			LIFE	* *	5	$700	
Pre-Cast Concrete	10%			LIFE	* *	5	$1,800	
Pre-Cast Concrete	5%			LIFE	* *	5	$900	
Roof								
Built-Up (BUR)	30%			2028	$51,200	10	$3,500	
Other Observation, Extent : Moderate, Area Affected : 5%								
Location : Rear Yard								
Explanation : Wood Deck								
Modified Bitumen	70%	Now	$23,900	2033	* *			
Blisters, Extent : Moderate, Area Affected : 25%								
Location : Roof Above First Floor Offices								
Ponding, Extent : Moderate, Area Affected : 25%								
Location : Roof Above First Floor Offices								
Seams Open/Split, Extent : Moderate, Area Affected : 20%								
Location : Roof Above First Floor Offices								
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	* *	5	$5,500	
Cast in Place Concrete	10%			LIFE	* *	5	$1,400	
Ceramic Tile	5%			2037	* *	5	$300	
Quarry Tile	5%			2041	* *	5	$500	
Vinyl Tile	40%	0-2	$4,600	2028	$22,800	3	$900	
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Various Work Rooms Throughout, 2nd Story Stairs								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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%			2037	* *	5	$100	
Concrete Masonry Unit	42%			LIFE	* *	5	$500	
Gypsum Board	15%			LIFE	* *	5	$200	
SGFT/Glazed Masonry	40%	Now	$2,300	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Room								
Ceilings								
AcousTileSusp.Lay-In	40%			2041	* *	5	$2,500	
Exposed Struc: Steel	40%	0-2	$28,300	LIFE	* *			
Paint Peeling, Extent : Moderate, Area Affected : 50%								
Location : Throughout Ceiling Of Original Building								
Exposed Struc: Steel	10%			LIFE	* *			
Gypsum Board	10%			LIFE	* *	5	$800	
Site Pavements								
Parking/Driveway								
Asphalt	100%			2031	$16,800			

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%			2048	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : 2- Main Service Disconnect Switches Rated At 400 Amperes Each.								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2028	$86,600	5	$300	
Raceway								
Conduit	75%			2028	$17,700	1		
Conduit	25%			2048	* *	1		
Panelboards								
Fused Disc Sw	10%			2027	$3,200	5		
Molded Case Bkrs	65%			2027	$20,700	5	$200	
Molded Case Bkrs	25%			2044	* *	5	$100	
Wiring								
Thermoplastic	75%			2028	$19,400	1		
Thermoplastic	25%			2048	* *	1		
Motor Controllers								
Locally Mounted	100%			2033	* *	5	$100	
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 MASK SERVICE UNIT BLDG #7

Asset # : 1991

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
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Water Meter Room								
Explanation : Connected To Metal Water Pipe								
Stand-by Power								
Transfer Switches								
Automatic	100%			2041	* *	1	$3,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : No Available Amperage Nameplate Rating								
Generators								
Diesel	100%			2037	* *	1	$4,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : Emergency Generator Rated At 425 Kilovolt-ampere. Supplies Emergency Power To Buildings No. 6,7,8,10,14								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$400	
Fuel Storage								
Main Tank	100%			2056	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside/ Generator Area								
Explanation : Belly Tank; 700 Gallons Rated Capacity								
Lighting								
Interior Lighting								
Fluorescent	4%			2033	* *	10	$400	
T-5 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Office								
Fluorescent	92%			2033	* *	10	$8,900	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Fluorescent	2%			2033	* *	10	$200	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Hallway								
HID	2%			2033	* *	10		
Egress Lighting								
Emergency, Service	40%			2028	$2,200	1		
Emergency, Battery	20%			2028	$3,000	10	$500	
Exit, Service	40%			2028	$1,200	1		
Exterior Lighting								
HID	100%			2028	$42,500	10		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Outside								
Explanation : 12 HID Light Fixtures Controlled By Photocell								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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	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								
Fuel Oil No 2	100%			2038	* *	5	$3,300	
Conversion Equipment								
Hot Water Boiler	100%			2026	$81,200	1	$5,200	
Boiler Used For Hot Water, Extent : Light, Area Affected : 100%								
Location : Boiler Room								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Boiler Room								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	100%			2036	* *	4	$500	
Terminal Devices								
Convector/Radiator	30%			2026	$16,900	1	$1,000	
Fan Coil Unit/Heat	50%			2023	$78,900	1	$1,700	
Fan Coil Unit/Heat	20%			2036	* *	1	$700	
Air Conditioning								
Energy Source								
Electricity	100%			2036	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%			2036	* *	2	$100	
Recent Replace Evident, Extent : Light, Area Affected : 20%								
Location : Roof								
Other Observation, Extent : Moderate, Area Affected : 30%								
Location : Roof								
Explanation : Using 410a Refrigerant								
Split Unit	10%			2028	$22,500			
Window/Wall Unit	40%			2023	$8,800	1		
No Component	30%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2028	$14,000	1	$300	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	80%			LIFE	* *	2-5	$4,700	
Ductwork/Diffusers	20%			LIFE	* *	2-5	$1,200	
Recent Installation, Extent : Light, Area Affected : 20%								
Location : Throughout								
Exhaust Fans								
Roof	100%			2028	$17,500	2	$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2038	* *	1		
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 MASK SERVICE UNIT BLDG #7

Asset # : 1991

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%			2023	$2,700	1	$600	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor								
Explanation : Backflow Preventor Only With Sprinkler System.								
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	75%							
Generic	25%			2038	* *	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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **02-Nov-2016**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Roof, Floors 1**		
Block	: **1819** **Lot** : **40**	**BIN**	:

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture		$16,100		
Interior Architecture			$100	
Electrical		$5,200	$100	
Mechanical	$18,500	$1,400	$1,100	$600
Total	**$18,500**	**$22,800**	**$1,200**	**$600**
Importance Code A	$300	$16,400	$300	$300
Importance Code B	$18,200	$6,300	$1,000	$300
Importance Code C				
Total	**$18,500**	**$22,800**	**$1,200**	**$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 SUBWAY SIMULATOR, BLDG. 14

Asset # : 13719

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	5%			LIFE	* *	5	$3,800	
Other Observation, Extent : Light, Area Affected : 5%								
Location : East Side								
Explanation : Exterior Stairway To Roof.								
Concrete Masonry Unit	85%			LIFE	* *	5	$8,100	
Efflorescence, Extent : Light, Area Affected : 5%								
Location : Throughout								
Metal Coiling Doors	10%			2041	* *	5	$4,800	
Windows								
Metal Louvers	100%			2037	* *	10	$2,500	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5	$2,300	
Other Observation, Extent : Light, Area Affected : 5%								
Location : Top Of Parapet								
Explanation : Coping								
Concrete Masonry Unit	90%			LIFE	* *	5	$3,000	
Roof								
Built-Up (BUR)	80%			2033	* *	10	$12,900	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Explanation : Stone Ballast								
Built-Up (BUR)	20%			2033	* *	10	$3,200	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Explanation : Concrete Pavers								
Interior								
Floors								
Cast in Place Concrete	90%			LIFE	* *	5	$17,000	
Vinyl Tile	10%			2033	* *	3	$300	
Other Observation, Extent : Light, Area Affected : 20%								
Location : Classroom								
Explanation : The Classroom Floor Has Stains In Several Areas								
Interior Walls								
Concrete Masonry Unit	92%			LIFE	* *	5	$2,400	
Concrete Masonry Unit	8%			LIFE	* *	5	$200	
Other Observation, Extent : Moderate, Area Affected : 8%								
Location : At Train Platform								
Explanation : 6 X 6 Units								
Ceilings								
AcousTileSusp.Lay-In	10%			2041	* *	5	$900	
Exposed Struc: Steel	90%			LIFE	* *			

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

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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%			2048	* *	1		
Panelboards								
Molded Case Bkrs	100%			2044	* *	5	$200	
Wiring								
Thermoplastic	100%			2048	* *	1		
Motor Controllers								
Locally Mounted	100%			2041	* *	5		
Lighting								
Interior Lighting								
Fluorescent	85%			2033	* *	10	$4,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Fluorescent	10%			2033	* *	10	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Classrooms And Offices								
Explanation : T-5 Lamps								
Fluorescent	1%			2033	* *	10	$100	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Hallway								
HID	1%			2033	* *	10		
LED	3%			2033	* *			
Egress Lighting								
Emergency, Service	40%			2033	* *	1		
Emergency, Battery	10%			2033	* *	10	$100	
Exit, LED	50%			2056	* *	1		
Exterior Lighting								
HID	65%			2033	* *	10		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 11 HID Light Fixtures Controlled By Timer Switch								
LED	35%			2033	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 6 LED Light Fixtures Controlled By Timer Switch And Photocells								

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								
Fuel Oil No 2	100%			2048	* *	5	$1,800	
No. 2 Fuel Oil, Extent : Light, Area Affected : 100%								
Location : Oil Tank Above Ground Infront Of 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

FIRE ACADEMY SUBWAY SIMULATOR, BLDG. 14

Asset # : 13719

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								
Hot Water Boiler	100%			2048	* *	1	$2,800	
Repairs In Progress, Extent : Light, Area Affected : 100%								
Location : Boiler Room								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Boiler Room								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	100%			2044	* *	4	$300	
Terminal Devices								
Air Handler	40%			2033	* *	1	$1,400	
Convector/Radiator	20%			2041	* *	1	$400	
Unit Heater - Steam	40%			2033	* *	4	$200	
Air Conditioning								
Energy Source								
Electricity	100%			2050	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	10%			2033	* *	2		
R-22 Refrigerant, Extent : Light, Area Affected : 10%								
Location : Roof								
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%	0-2	$15,900	LIFE	* *	2-5	$3,200	
Needs Cleaning, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Exhaust Fans								
Roof	100%			2033	* *	2	$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2048	* *	1		
Water Heater								
Electric	100%			2026	$5,100	4	$100	
Sanitary Piping								
Cast Iron	100%	Now	$2,100	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 100%								
Location : Boiler Room								
Backflow Preventer								
No Component	90%							
Generic	10%			2033	* *	1		
Other Observation, Extent : Light, Area Affected : 10%								
Location : Boiler Room								
Explanation : For Boiler Only								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

Asset Name : **FIRE ACADEMY TRAINING BLDGS - FIELD HOUSE #12**
Address : **RANDALLS ISLAND**
Borough : **MANHATTAN**
Program / Asset # : **FIR0003.012 / 13553**
Area Sq Ft : **40,857**
Date of Survey : **31-Oct-2016**
Areas Surveyed : **Roof, Floors 1,1M,2M**
Block : **1819** **Lot** : **40**

Agency's Number : **N/A**
Yr Built/Renovated : **2003 /**
Project Type : **FIRE DEPARTMENT**
Landmark Status : **NONE**
BIN : **1085911**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$46,100	$64,800
Interior Architecture		$124,400
Total	**$46,100**	**$189,200**
Importance Code A	$46,100	$64,800
Importance Code B		$124,400
Total	**$46,100**	**$189,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$32,700	$20,900	$5,800	
Interior Architecture	$33,800		$7,100	
Electrical	$2,300	$33,200	$3,600	$2,300
Mechanical	$200	$200	$400	$300
Total	**$68,900**	**$54,300**	**$16,900**	**$2,600**
Importance Code A	$32,700	$20,900	$5,800	
Importance Code B	$35,800	$33,400	$4,000	$2,600
Importance Code C	$500		$7,100	
Total	**$68,900**	**$54,300**	**$16,900**	**$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 TRAINING BLDGS - FIELD HOUSE #12

Asset # : 13553

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 Cavity	30%	2-4	$46,100	LIFE	* *	5	$23,100	
Efflorescence, Extent : Moderate, Area Affected : 10%								
Location : North Facade								
Metal Panel	45%	Now	$13,300	2048	* *	5	$64,800	
Deteriorated Finish, Extent : Moderate, Area Affected : 15%								
Location : At Joints								
Staining/Discoloring, Extent : Moderate, Area Affected : 20%								
Location : South Facade								
Metal Sect. OHD	15%			2041	* *	5	$36,000	
Pre-Cast Concrete	3%			LIFE	* *	5	$7,500	
Window Wall	7%			2048	* *	5	$20,200	
Windows								
Aluminum	100%			2044	* *	5	$11,600	
Parapets								
Concrete Masonry Unit	15%	0-2	$1,600	LIFE	* *	5	$1,300	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 15%								
Location : North Parapets								
Vertical Cracks, Extent : Light, Area Affected : 5%								
Location : North Parapets								
Masonry: Brick Cavity	20%			LIFE	* *	5	$1,500	
Metal Rail	2%			2041	* *	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	$17,800	2041	* *			
Drains Clogged, Extent : Moderate, Area Affected : 5%								
Location : Where Angular Roof Planes Converge								
Modified Bitumen	20%			2033	* *	10	$10,800	
Interior								
Floors								
Cast in Place Concrete	68%	Now	$28,900	LIFE	* *	5	$91,000	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Trench Drain At Apron								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Simulated Street Area								
Explanation : Radiant Flooring								
Cast in Place Concrete	25%			LIFE	* *	5	$33,400	
Ceramic Tile	7%	2-4	$4,400	2037	* *	5	$2,100	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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%			2037	* *	5	$1,000	
Concrete Masonry Unit	75%			LIFE	* *	5	$14,300	
Gypsum Board	5%			LIFE	* *	5	$1,400	
Masonry: Brick	12%			LIFE	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Streetscape Mockup On Main Level								
Explanation : Simulated Brick Building Facade Mockups								
Metal Coiling Doors	6%			2044	* *	5	$14,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Streetscape Mockup								
Explanation : On Building Facade Mockups								
Ceilings								
Exposed Struc: Steel	95%			LIFE	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 5%								
Location : At Roof Drain Penetration								
Metal Panel	5%			LIFE	* *	5	$3,800	
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2041	* *			
Parking/Driveway								
Asphalt	100%			2037	* *			

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%			2048	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : Main Service Switch Rated At 2,000 Amperes.								
Transformers								
Dry Type	100%			2041	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : Nameplate Ratings, 30 Kilovolt-ampere, 208 Volts - 480/277 Volts								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2048	* *	5	$1,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : Nameplate Ratings: 1,200 Amperes Bus Rating								
Raceway								
Conduit	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 TRAINING BLDGS - FIELD HOUSE #12

Asset # : 13553

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								
Panelboards								
Fused Disc Sw	10%			2044	* *	5	$100	
Molded Case Bkrs	90%			2044	* *	5	$1,000	
Ground								
Grounding Devices								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : It Is Assumed That It Is Grounded To The Building Structure.								
Stand-by Power								
Transfer Switches								
Manual	100%			2048	* *	5	$200	
Lighting								
Interior Lighting								
Fluorescent	40%			2033	* *	10	$15,000	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Storage								
Fluorescent	40%			2033	* *	10	$15,000	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Simulation Rooms								
HID	10%			2033	* *	10	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Attrium								
Explanation : Metal Halide HID								
LED	10%			2033	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Hallways								
Explanation : LED								
Egress Lighting								
Emergency, Service	60%			2033	* *	1		
Exit, LED	40%			2056	* *	1		
Exterior Lighting								
HID	100%			2033	* *	10	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 25 LED Light Fixtures Controlled By Photocells								
Alarm								
Fire/Smoke Detection								
Generic, Digital	100%			2033	* *	1-3	$25,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : Addressable Fire Alarm System; Strobe Lights, Manual Pull Stations, Alarm Bells, Smoke Detectors, Horns								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
HTHW/HW	20%			2048	* *	1		
Other Observation, Extent : Light, Area Affected : 20%								
Location : 1st Floor								
Explanation : Hot Water Is Supplied From Adjacent Building No.11								
No Component	80%							
Distribution								
Hot Wtr Piping/Pump	20%			2044	* *	4	$400	
Other Observation, Extent : Light, Area Affected : 20%								
Location : 1st Floor								
Explanation : Hot Water From Adjacent Building No.11								
No Component	80%							
Terminal Devices								
Convector/Radiator	15%			2041	* *	1	$2,000	
Other Observation, Extent : Light, Area Affected : 15%								
Location : Ground Level								
Explanation : Radiant Heating Pipes In Floor								
Unit Heater - Steam	5%			2033	* *	4	$200	
No Component	80%							
Ventilation								
Exhaust Fans								
Roof	20%			2033	* *	2	$300	
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	20%			2048	* *	1		
No Component	80%							
Water Heater								
Electric	20%			2026	$7,200	4	$100	
Other Observation, Extent : Light, Area Affected : 20%								
Location : 1st Floor								
Explanation : 1 Unit								
No Component	80%							
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Two Bathrooms								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **02-Nov-2016**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2,3,4,5**		
Block	: **1819** **Lot** : **40**	**BIN**	:

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$36,100	
Electrical		$77,500
Mechanical		$42,500
Total	**$36,100**	**$120,000**
Importance Code A	$36,100	$42,500
Importance Code B		$77,500
Total	**$36,100**	**$120,000**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$1,500		$1,000	$2,900
Interior Architecture				
Electrical	$600	$400	$400	$400
Mechanical	$2,300	$1,800	$700	$200
Total	**$4,400**	**$2,300**	**$2,200**	**$3,500**
Importance Code A	$1,700		$1,200	$2,900
Importance Code B	$2,700	$2,300	$1,000	$700
Importance Code C				
Total	**$4,400**	**$2,300**	**$2,200**	**$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
FIRE ACADEMY TRAINING TOWER # 1
Asset # : 1988

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	50%			LIFE	* *	5	$11,200	
Masonry: Brick	50%	2-4	$36,100	LIFE	* *	5	$11,200	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : This Is A Demonstration Building. The Original Building Was 5,400 Sq.Ft. Another 6,600 Sq.Ft. Were Added In 2008.								
Windows								
Aluminum	100%			2050	* *	5	$5,700	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Throughout								
Parapets								
Masonry: Brick	70%			LIFE	* *	5	$2,800	
Masonry: Brick	30%	Now	$1,500	LIFE	* *	5	$1,200	
Other Observation, Extent : Light, Area Affected : 50%								
Location : Roof								
Explanation : This Is A Demonstration Building								
Roof								
Skylight, Metal/Glass	2%			2054	* *	10	$1,000	
Traffic Topping	98%			2036	* *	10	$24,800	
Interior								
Floors								
Cast in Place Concrete	95%			LIFE	* *	5	$33,300	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Steel Grating	5%			2048	* *	1		
Interior Walls								
Concrete Masonry Unit	100%			LIFE	* *	5	$15,100	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Ceilings								
Exposed Concrete	100%			LIFE	* *	5	$2,500	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Throughout								

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								
Raceway								
Conduit	100%			2028	$23,700	1		
Panelboards								
Molded Case Bkrs	100%			2027	$31,900	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
FIRE ACADEMY TRAINING TOWER # 1
Asset # : 1988

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								
Wiring								
Thermoplastic	100%			2028	$25,900	1		
Lighting								
Interior Lighting								
Fluorescent	15%			2028	$4,200	10	$1,700	
T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : Stair Case And 3rd Floor								
Fluorescent	85%			2028	$24,000	10	$9,400	
Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Exterior Lighting								
Fluorescent	20%			2028	$8,200	10	$200	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Outside								
Explanation : 3 Compact Fluorescent Light Fixtures								
HID	80%			2028	$38,700	10		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Outside								
Explanation : 13 HID Light Fixtures Controlled By Timer Switch And Photocells								
Alarm								
Security System								
Generic	100%			2028	$38,800	1	$4,500	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Roof								
Explanation : One CCTV Surveillance Camera								

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								
Electricity	20%			2048	* *	1		
No Component	80%							
Conversion Equipment								
Radiant Heater	20%			2028	$42,500	2	$1,100	
No Component	80%							
Ventilation								
Exhaust Fans								
Roof	20%			2033	* *	2	$100	
Wall Unit	80%			2028	$3,400	2	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Fan In Basement To Remove Methane Gas								
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 TRAINING TOWER # 1
Asset # : 1988

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								
Galvanized Steel	10%			2041	* *	1		
Other Observation, Extent : Light, Area Affected : 10%								
Location : B, 1-5								
Explanation : Standpipe Only								
No Component	90%							
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Other Observation, Extent : Light, Area Affected : 10%								
Location : 1-5								
Explanation : Roof Drains Only								
Sump Pump(s)								
Non-Submersible	100%	Now	$1,800	2038	* *	4	$300	
Not in Service, Extent : Light, Area Affected : 100%								
Location : Basement								
Fire Suppression								
Standpipe								
Generic	100%			2048	* *	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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 : **01-Nov-2016**
Landmark Status : **NONE**
Areas Surveyed : **Floors 1,2**
Block : **1819** **Lot** : **40** **BIN** :

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$48,700	
Interior Architecture	$102,400	
Electrical		$59,700
Total	**$151,200**	**$59,700**
Importance Code A	$48,700	
Importance Code B	$51,400	$59,700
Importance Code C	$51,100	
Total	**$151,200**	**$59,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$4,300		$6,700	
Interior Architecture	$48,100			$1,600
Electrical	$1,400	$6,800	$1,600	$1,300
Mechanical	$3,900	$9,900	$2,400	$1,400
Site Pavements	$3,300			
Elevators/Escalators	$3,900	$3,900	$3,900	$3,900
Total	**$65,000**	**$20,600**	**$14,600**	**$8,200**
Importance Code A	$5,100	$800	$7,400	$700
Importance Code B	$44,000	$19,900	$7,200	$7,400
Importance Code C	$15,800			
Total	**$65,000**	**$20,600**	**$14,600**	**$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

FIRE ACADEMY VEHICLE PREVENTIVE MAINT BLDG #6

Asset # : 1990

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 Cavity	70%	Now	$48,700	LIFE	* *	5	$6,100	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
Location : Various Locations Above Overhead Doors								
Misaligned/Bulging, Extent : Moderate, Area Affected : 5%								
Location : Above 2nd Story Window								
Patching Evident, Extent : Light, Area Affected : 20%								
Location : All Facades								
Caulking Deteriorated, Extent : Moderate, Area Affected : 20%								
Location : Base Of Building								
Weepholes Not Funct, Extent : Moderate, Area Affected : 15%								
Location : Mortar Saturated - North Facade								
Metal Sect. OHD	30%	4+	$4,300	2041	* *	5	$4,100	
Paint Peeling, Extent : Light, Area Affected : 15%								
Location : Door Frames								
Windows								
Aluminum	40%			2044	* *	5	$800	
Wood	60%			2044	* *	5	$12,600	
Parapets								
Not Accessible	100%							
Roof								
Not Accessible	100%							
Interior								
Floors								
Cast in Place Concrete	40%	Now	$10,200	LIFE	* *	5	$20,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Various Locations Throughout Apparatus Floor								
Cast in Place Concrete	20%			LIFE	* *	5	$10,000	
Ceramic Tile	5%			2037	* *	5	$1,100	
Vinyl Tile	35%	Now	$21,800	2033	* *	3	$3,000	
Broken/Missing Elements, Extent : Severe, Area Affected : 40%								
Location : Second Floor Office, Corridor, Locker Room, Kitchenette And Stair								
Uneven Substrate, Extent : Moderate, Area Affected : 40%								
Location : Throughout Second Floor								
Interior Walls								
Ceramic Tile	5%			2037	* *	5	$1,400	
Concrete Masonry Unit	75%	Now	$51,100	LIFE	* *	5	$8,600	
Vertical Cracks, Extent : Moderate, Area Affected : 15%								
Location : Stairwell To Second Floor								
SGFT/Glazed Masonry	20%	0-2	$11,900	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout Apparatus Area								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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%	0-2	$3,000	2033	* *	5	$1,700	
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Room 201, 202, 203 And Locker Rooms								
AcousTileSusp.Lay-In	5%			2045	* *	5	$1,100	
Exposed Struc: Steel	50%	Now	$51,400	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Floor, Original Building								
Exposed Struc: Steel	20%			LIFE	* *			
Gypsum Board	10%			LIFE	* *	5	$2,900	
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	0-2	$3,300	2033	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : At Overhead Door Thresholds And Curbs								
Parking/Driveway								
Asphalt	100%			2037	* *			

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%			2048	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : 2- Main Service Disconnect Switches Rated At 1,200 Amperes Each.								
Switchgear / Switchboard								
Fused Disc Sw	100%			2048	* *	5	$100	
Raceway								
Conduit	85%			2028	$20,100	1		
Conduit	15%			2048	* *	1		
Panelboards								
Fused Disc Sw	5%			2027	$1,600	5		
Molded Case Bkrs	80%			2027	$25,500	5	$300	
Molded Case Bkrs	15%			2044	* *	5	$100	
Wiring								
Thermoplastic	85%			2028	$22,000	1		
Thermoplastic	15%			2048	* *	1		
Motor Controllers								
Locally Mounted	20%			2041	* *	5		
Locally Mounted	80%			2033	* *	5	$100	
Ground								

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

FIRE ACADEMY VEHICLE PREVENTIVE MAINT BLDG #6

Asset # : 1990

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
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Water Meter Room								
Explanation : Connected To Metal Water Pipe.								
Stand-by Power								
Transfer Switches								
Automatic	100%			2041	* *	1	$4,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : No Available Amperage Nameplate Rating								
Lighting								
Interior Lighting								
Fluorescent	40%			2033	* *	10	$5,400	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
HID	60%			2028	$15,200	10	$300	
Egress Lighting								
Emergency, Service	65%			2033	* *	1		
Exit, LED	35%			2056	* *	1		
Exterior Lighting								
HID	100%			2028	$59,700	10		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Outside								
Explanation : 15 HID Light Fixtures Controlled By Photocells								
Alarm								
Fire/Smoke Detection								
Generic, Digital	100%			2033	* *	1-3	$9,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : Addressable Fire Alarm System; Manual Pull Station, Alarm Bells, Strobe Lights, Smoke Detectors, Horns								

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								
Fuel Oil No 2	100%			2038	* *	5	$4,600	

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FIRE DEPARTMENT - 057

FIRE ACADEMY VEHICLE PREVENTIVE MAINT BLDG #6

Asset # : 1990

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								
Furnace	20%			2028	$7,000	1	$1,500	
Not in Service, Extent : Severe, Area Affected : 20%								
Location : Roof								
Other Observation, Extent : Light, Area Affected : 20%								
Location : Roof								
Explanation : 1 Unit								
Hot Water Boiler	80%			2033	* *	1	$5,900	
Other Observation, Extent : Light, Area Affected : 80%								
Location : 1st Floor Boiler Room								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	100%	Now	$500	2036	* *	4	$700	
Leak Evident, Extent : Severe, Area Affected : 80%								
Location : Pum(P-6-1) In The 1st Floor Boiler Room.								
Terminal Devices								
Convector/Radiator	50%			2033	* *	1	$2,400	
Unit Heater - Steam	50%			2033	* *	4	$700	
Air Conditioning								
Energy Source								
Electricity	100%			2044	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%			2038	* *	2	$200	
Recent Installation, Extent : Light, Area Affected : 20%								
Location : 2 Units, On The Roof, Using 410 A Refrigerant.								
No Component	80%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$8,300	
Exhaust Fans								
Roof	85%			2028	$20,900	2	$400	
Wall Unit	15%			2028	$800	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%	Now	$2,200	2048	* *	1		
Corroded, Extent : Severe, Area Affected : 100%								
Location : Water Main.								
Water Heater								
Electric	50%			2023	$6,500	4	$100	
Electric	50%			2026	$6,500	4	$100	
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		

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FIRE DEPARTMENT - 057

FIRE ACADEMY VEHICLE PREVENTIVE MAINT BLDG #6

Asset # : 1990

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	90%							
Generic	10%			2033	* *	1	$100	
Other Observation, Extent : Light, Area Affected : 10%								
Location : Boiler Room								
Explanation : For Boiler Only								
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
No Component	80%							
Generic	20%			2038	* *	1-2	$800	

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$51,200	
Interior Architecture		$57,700
Total	**$51,200**	**$57,700**
Importance Code A	$51,200	
Importance Code B		$57,700
Total	**$51,200**	**$57,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture		$1,300		
Interior Architecture	$13,000	$500		$700
Electrical			$100	$6,000
Mechanical	$1,200	$400	$500	$9,400
Total	**$14,100**	**$2,200**	**$600**	**$16,200**
Importance Code A	$200	$1,500	$200	$200
Importance Code B	$10,500	$700	$400	$16,000
Importance Code C	$3,400			
Total	**$14,100**	**$2,200**	**$600**	**$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

FORT TOTTEN - BLDG. # 103 EMS BATTALION STATION

Asset # : 13737

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								
Alum/Vinyl Siding	5%			2040	* *	10	$300	
Cast in Place Concrete	10%			LIFE	* *	5	$8,600	
Masonry: Brick	85%	Now	$51,200	LIFE	* *	5	$14,600	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 25%								
Location : Various Locations								
Windows								
Aluminum	100%			2038	* *	5	$400	
Roof								
Asphalt Shingle	100%			2033	* *	10	$1,100	
Interior								
Floors								
Ceramic Tile	5%	0-2	$800	2033	* *	5	$200	
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : Bathroom								
Quarry Tile	10%			2043	* *	5	$1,000	
Worn/Eroded, Extent : Light, Area Affected : 50%								
Location : Front Entry								
Vinyl Tile	85%	0-2	$5,800	2030	$57,700	3	$2,200	
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Interior Walls								
Ceramic Tile	5%	2-4	$800	2033	* *	5	$200	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Toilets								
Concrete Masonry Unit	10%			LIFE	* *	5	$400	
Gypsum Board	50%	Now	$500	LIFE	* *	5	$2,900	
Cracking/Crumbling, Extent : Severe, Area Affected : 2%								
Location : Basement								
Masonry: Brick	5%	Now	$2,200	LIFE	* *			
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 50%								
Location : Basement								
Plaster	5%			LIFE	* *	5	$100	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Basement								
Deteriorated Finish, Extent : Light, Area Affected : 10%								
Location : Basement								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Wood	25%			LIFE	* *	5	$9,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Various Locations Throughout								
Explanation : Wood Panel Interior Finish								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	95%	Now	$3,100	2043	* *	5	$3,300	
Misaligned/Bulging, Extent : Light, Area Affected : 5%								
Location : Basement								
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	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%			2030	$1,700	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Electrical Room.								
Explanation : Two 200 Ampere Main Disconnect Switches								
Raceway								
Conduit	100%			2030	$4,300	1		
Panelboards								
Fused Disc Sw	5%			2029	$400	5		
Molded Case Bkrs	95%			2029	$8,200	5	$100	
Wiring								
Thermoplastic	100%			2030	$9,500	1		
Motor Controllers								
Locally Mounted	100%			2028	$8,300	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
Fluorescent	100%			2030	$11,700	10	$4,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Egress Lighting								
Emergency, Battery	50%			2030	$3,600	10	$600	
Exit, Service	50%			2030	$700	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

FORT TOTTEN - BLDG. # 103 EMS BATTALION STATION

Asset # : 13737

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								
Exterior Lighting								
HID	30%			2025	$6,000	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								
Energy Source								
Fuel Oil No 2	100%			2040	* *	5	$1,400	
Conversion Equipment								
Hot Water Boiler	100%			2043	* *	1	$2,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	100%	0-2	$400	2029	$7,800	4	$200	
Other Observation, Extent : Moderate, Area Affected : 30%								
Location : South Side								
Explanation : Insufficient Heat In The South Side Of The Building								
Terminal Devices								
Convector/Radiator	100%			2028	$26,700	1	$1,500	
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Split Unit	20%			2030	$21,300			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 1 Unit. R-22 Refrigerant								
Window/Wall Unit	80%			2025	$8,300	1		
Terminal Devices								
Fan Coil - 2 Pipe	20%			2030	$19,000	1	$300	
No Component	80%							
Heat Rejection								
Dry Cooler	20%			2030	$5,400	2	$600	
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	* *	1		
Water Heater								
Oil Fired	100%			2028	$4,100	1	$100	
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.
Maintenance $ are aggregated over a ten-year period. 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

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								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Electrical		$52,600
Mechanical		$542,300
Total		**$594,800**
Importance Code B		$594,800
Total		**$594,800**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$1,500			$600
Interior Architecture		$9,200	$1,400	
Electrical				$20,300
Mechanical	$3,700	$1,900	$3,900	$23,900
Site Enclosure	$3,100			
Site Pavements	$22,500			
Total	**$30,800**	**$11,200**	**$5,200**	**$44,800**
Importance Code A	$2,800	$1,200	$1,200	$1,800
Importance Code B	$2,500	$10,000	$2,700	$43,000
Importance Code C	$25,600		$1,400	
Total	**$30,800**	**$11,200**	**$5,200**	**$44,800**



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. # 107 CLASSROOM/ADMIN.

Asset # : 13738

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	87%			LIFE	* *	5	$10,600	
Diagonal Cracks, Extent : Light, Area Affected : 2%								
Location : Attached Storage Shed								
Staining/Discoloring, Extent : Light, Area Affected : 25%								
Location : Various Locations								
Masonry: Granite	5%			LIFE	* *	5	$500	
Masonry: Limestone	5%	Now	$1,500	LIFE	* *	5	$500	
Staining/Discoloring, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Metal Sect. OHD	3%			2035	* *	5	$1,100	
Windows								
Metal Louvers	2%			2039	* *	10	$200	
Wood	98%			2046	* *	5	$19,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : All Facades								
Explanation : Vinyl-clad Wood Wondows								
Roof								
Asphalt Shingle	100%			2039	* *	10	$5,500	
Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 2%								
Location : Gutters And Downspout Seams Open Leaking Water								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Asphalt Shingles Are Designed To Appear To Be Historic Slate								
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+	$3,100	2050	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Around Parking Lot								
Retaining Walls								
Cast in Place Concrete	100%	4+		2050	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Left Side Of 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

FORT TOTTEN - BLDG. # 107 CLASSROOM/ADMIN.

Asset # : 13738

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								
On-Site Walkways								
Asphalt	95%			2033	* *			
Cast in Place Concrete	5%			2035	* *			
Parking/Driveway								
Asphalt	100%	4+	$22,500	2033	* *			
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		
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	
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	$23,100	1		
Conduit	10%			2050	* *	1		
Panelboards								
Fused Disc Sw	5%			2046	* *	5		
Molded Case Bkrs	95%			2046	* *	5	$300	
Wiring								
Thermoplastic	100%			2050	* *	1		
Motor Controllers								
Locally Mounted	100%			2028	$52,600	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Lighting								
Interior Lighting								
Fluorescent	95%			2035	* *	10	$10,800	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Incandescent	5%			2025	$8,000	2		
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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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		
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%			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	$59,600			
Terminal Devices								
Convector/Radiator	70%			2028	$50,500	1	$2,800	
Convector/Radiator	30%			2043	* *	1	$1,200	
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Split Unit	70%			2030	$201,400			
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Outside								
Explanation : 3 Units. R-22 Refrigerant								
Window/Wall Unit	30%			2025	$8,400	1		
Terminal Devices								
Fan Coil - 2 Pipe	70%			2030	$179,500	1	$2,800	
No Component	30%							
Heat Rejection								
Dry Cooler	70%			2030	$51,300	2	$6,000	
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	70%			LIFE	* *	2-5	$4,800	
No Component	30%							
Exhaust Fans								
Interior	70%			2030	$33,600	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		
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								
Oil Fired	100%			2025	$11,200	1	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Mechanical Room								
Explanation : 1 Unit								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%	0-2	$500	2025	$500	4	$300	
Abandoned in Place, Extent : Moderate, Area Affected : 100%								
Location : Basement								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$93,000			
Interior Architecture	$4,600	$400		
Electrical	$100	$100	$100	$5,300
Mechanical	$1,100	$600	$1,300	$8,600
Site Pavements	$6,900			
Total	**$105,600**	**$1,100**	**$1,300**	**$13,900**
Importance Code A	$93,400	$500	$500	$500
Importance Code B	$4,500	$700	$900	$13,400
Importance Code C	$7,700			
Total	**$105,600**	**$1,100**	**$1,300**	**$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

FORT TOTTEN - BLDG. # 129 EMS CHAUFFEUR TRAINING SIMULATOR

Asset # : 13740

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	95%	4+	$28,600	LIFE	* *	5	$16,300	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Various Locations On The Facade								
Other Observation, Extent : Light, Area Affected : 100%								
Location : All Facades								
Explanation : Facades Have Been Coated With A Thin Layer Of Red Stucco								
Masonry: Limestone	5%	2-4	$32,700	LIFE	* *	5	$600	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Base Of Building								
Loose/Delam Surface, Extent : Moderate, Area Affected : 15%								
Location : Base Of Building								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Base Of Building								
Explanation : This Is Actually Bluestone								
Windows								
Aluminum	100%			2046	* *	5	$400	
Roof								
Slate	100%	4+	$31,700	LIFE	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : Mostly Above Gutter								
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Roof								
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	$1,800	2040	* *	3	$100	
Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
Location : Cracked And Deteriorated Throughout Entry Vestibule								
Wood	40%	0-2	$2,100	2058	* *	5	$2,600	
Deteriorated Finish, Extent : Moderate, Area Affected : 50%								
Location : Throughout 2nd Floor								
Interior Walls								
Cast in Place Concrete	85%			LIFE	* *			
Ceramic Tile	5%	Now	$800	2039	* *	5	$200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : 1st Floor Kitchen								
Plaster	10%			LIFE	* *	5	$300	
Ceilings								
Exposed Concrete	5%			LIFE	* *	5	$100	
Plaster	95%			LIFE	* *	5	$4,100	
Paint Peeling, Extent : Light, Area Affected : 15%								
Location : Throughout								
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		
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%			2050	* *			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	Now	$6,900	2043	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 60%								
Location : All Walkways And Stairs To Bunker								
Misaligned/Bulging, Extent : Severe, Area Affected : 5%								
Location : Various Locations On Walkways								
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Explanation : Vegetation Growth								
Parking/Driveway								
Asphalt	95%			2033	* *			
Cast in Place Concrete	5%			2035	* *			

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%			2050	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 100 Ampere Main Disconnect Switch								
Raceway								
Conduit	70%			2050	* *	1		
Conduit	30%			2030	$1,300	1		
Panelboards								
Fused Disc Sw	2%			2046	* *	5		
Molded Case Bkrs	98%			2046	* *	5	$100	
Wiring								
Thermoplastic	70%			2050	* *	1		
Thermoplastic	30%			2030	$2,800	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
Fluorescent	98%			2035	* *	10	$4,100	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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		
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%			2040	* *	5	$1,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Tanks								
Conversion Equipment								
Steam Boiler	100%			2043	* *	1	$4,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	100%			2040	* *			
Terminal Devices								
Convector/Radiator	100%			2028	$26,600	1	$1,500	
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Split Unit	30%			2030	$31,800			
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : 1 Unit, 1st Floor								
Window/Wall Unit	70%			2025	$7,200	1		
Distribution								
Ductwork/Diffusers	30%			LIFE	* *	2	$1,800	
No Component	70%							
Terminal Devices								
Fan Coil - 2 Pipe	30%			2030	$28,300	1	$400	
No Component	70%							
Heat Rejection								
Dry Cooler	30%			2030	$8,100	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		
System / Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
HW Heat Exchanger								
Steam Fired	100%			2050	* *	4	$700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Domestic Coil Inside Boiler								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$287,500	
Interior Architecture	$118,800	
Electrical	$56,800	
Total	**$463,200**	
Importance Code A	$287,500	
Importance Code B	$175,600	
Total	**$463,200**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$7,600			
Interior Architecture	$7,300		$700	$1,500
Electrical			$100	$12,400
Mechanical	$21,800	$300	$300	$300
Total	**$36,700**	**$300**	**$1,100**	**$14,200**
Importance Code A	$7,600			
Importance Code B	$21,800	$300	$1,100	$14,200
Importance Code C	$7,300			
Total	**$36,700**	**$300**	**$1,100**	**$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

FORT TOTTEN - BLDG. # 139 EMS MEDICAL FILE STORAGE

Asset # : 14323

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								
Alum/Vinyl Siding	50%	Now	$167,100	2060	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 40%								
Location : Front Facade								
Other Observation, Extent : Severe, Area Affected : 10%								
Location : Throughout Facade								
Explanation : Vegetation Growth And Fascia Board Is Deteriorated								
Masonry: Brick	50%	Now	$7,600	LIFE	* *	5	$4,300	
Vegetation Growth, Extent : Light, Area Affected : 10%								
Location : Throughout Exterior Facade.								
Windows								
Wood	100%	Now	$41,300	2055	* *	5	$6,300	1
Broken/Missing Elements, Extent : Severe, Area Affected : 20%								
Location : All Facades								
Dry Rot/Decay, Extent : Severe, Area Affected : 20%								
Location : All Facade								
Unit Inoperable, Extent : Severe, Area Affected : 50%								
Location : Facade Fenestration								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Facade Fenestration								
Explanation : Vinyl Clad Wood Windows								
Roof								
Asphalt Shingle	100%	Now	$79,100	2045	* *			1
Cracking/Crumbling, Extent : Severe, Area Affected : 80%								
Location : Roof								
Other Observation, Extent : Severe, Area Affected : 10%								
Location : Roof								
Explanation : Large Opening In Roof, Soffit Band Failing								
Interior								
Floors								
Cast in Place Concrete	5%			LIFE	* *	5	$1,600	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : No Access								
Ceramic Tile	10%			2039	* *	5	$1,400	
Vinyl Tile	85%	Now	$118,800	2040	* *	3	$4,500	
Loose/Delam Surface, Extent : Moderate, Area Affected : 40%								
Location : Throughout								
Other Observation, Extent : Severe, Area Affected : 75%								
Location : Throughout								
Explanation : Debris And Abandoned Storage Materials Everywhere								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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	$800	2039	* *	5	$100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Bathrooms.								
Gypsum Board	95%	Now	$6,500	LIFE	* *	5	$2,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : Toilet Room On 1st Floor								
Ceilings								
Gypsum Board	100%			LIFE	* *	5	$17,700	
Other Observation, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Explanation : Paint Peeling								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2035	* *			

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%			2030	$1,700	5		
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	$4,300	1		
Panelboards								
Molded Case Bkrs	100%			2029	$8,700	5	$200	
Wiring								
Thermoplastic	100%			2030	$9,500	1		
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
Incandescent	100%			2025	$56,800	2	$200	
Exterior Lighting								
HID	30%			2025	$12,300	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								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Building Unoccupied In Very Poor Condition. No Access To Basement								
Conversion Equipment								
Not Accessible	100%							
Distribution								
Not Accessible	100%							
Terminal Devices								
Convector/Radiator	100%	0-2	$21,800	2043	* *	1	$2,700	
Abandoned in Place, Extent : Moderate, Area Affected : 100%								
Location : Entire Building								
Plumbing								
H/C Water Piping								
Not Accessible	100%							
Water Heater								
Not Accessible	100%							
HW Heat Exchanger								
Not Accessible	100%							
Sanitary 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								
Generic	100%							
Abandoned in Place, Extent : Moderate, Area Affected : 100%								
Location : Entire 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.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

Asset Name : **FORT TOTTEN - BLDG. # 309 EMS HAZMAT/ PARAMEDIC TRAINING**
Address : **309 PRATT AVENUE**
Borough : **QUEENS**
Program / Asset # : **FIR0020.309 / 13755**
Area Sq Ft : **4,874**
Date of Survey : **26-Sep-2018**
Areas Surveyed : **Basement, Roof, Floors 1**
Block : **5917** **Lot** : **1**

Agency's Number : **N/A**
Yr Built/Renovated : **1897 /**
Project Type : **FIRE DEPARTMENT**
Landmark Status : **HISTORICAL LANDMARK DISTRICT**
BIN :

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$48,400	
Total	**$48,400**	
Importance Code A	$48,400	
Total	**$48,400**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture				
Interior Architecture	$48,700			$400
Electrical				$3,400
Mechanical	$700	$11,700	$600	$1,400
Site Pavements	$1,800			
Total	**$51,200**	**$11,700**	**$700**	**$5,200**
Importance Code A	$500	$500	$500	$500
Importance Code B	$43,200	$11,200	$200	$4,700
Importance Code C	$7,500			
Total	**$51,200**	**$11,700**	**$700**	**$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

FORT TOTTEN - BLDG. # 309 EMS HAZMAT/ PARAMEDIC TRAINING

Asset # : 13755

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	85%	0-2	$48,400	LIFE	* *	5	$13,800	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
Location : Various Locations								
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+	$3,000	LIFE	* *	5	$5,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout Basement Floor								
Mosaic Tile	5%			2035	* *	5	$900	
Quarry Tile	55%	0-2	$25,900	2035	* *	5	$2,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Vinyl Tile	5%			2030	$3,500	3	$100	
Interior Walls								
Ceramic Tile	10%	Now	$3,400	2033	* *	5	$300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : Bathrooms								
Gypsum Board	15%			LIFE	* *	5	$500	
Masonry: Brick	20%	Now	$2,400	LIFE	* *			
Efflorescence, Extent : Moderate, Area Affected : 5%								
Location : Throughout Basement Walls.								
SGFT/Glazed Masonry	5%			LIFE	* *			
Wood	50%			LIFE	* *	5	$10,500	
Ceilings								
AcousTileConcealSpLn	60%	Now	$7,900	2035	* *	5	$2,600	
Broken/Missing Elements, Extent : Severe, Area Affected : 20%								
Location : Throughout Main Floor Ceiling								
Exposed Struc: Wood	20%	Now	$5,100	LIFE	* *			
Split/Cracked, Extent : Severe, Area Affected : 15%								
Location : Various Locations Throughout Basement								
Plaster	20%	Now	$1,100	LIFE	* *	5	$900	
Water Penetration, Extent : Severe, Area Affected : 2%								
Location : Entrance Area								
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		
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%	Now	$1,800	2043	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : Entrance Stairs And Rear Stairs								

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%			2056	* *	5		
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	$400	5		
Molded Case Bkrs	20%			2029	$1,700	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	
Lighting								
Interior Lighting								
Fluorescent	20%			2025	$2,500	10	$900	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement								
Fluorescent	80%			2038	* *	10	$3,600	
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		
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

FORT TOTTEN - BLDG. # 309 EMS HAZMAT/ PARAMEDIC TRAINING

Asset # : 13755

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								
Fuel Oil No 2	100%			2040	* *	5	$1,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Tanks								
Conversion Equipment								
Steam Boiler	100%			2043	* *	1	$4,800	
Other Observation, Extent : Light, Area Affected : 50%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	100%			2040	* *			
Terminal Devices								
Convector/Radiator	100%			2028	$28,400	1	$1,600	
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Window/Wall Unit	100%			2023	$11,000	1		
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	* *	1		
Water Heater								
Electric	100%			2030	$4,700	4		
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : 1 Unit, Basement								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$950,600	
Total	**$950,600**	
Importance Code A	$950,600	
Total	**$950,600**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$30,600			
Site Pavements	$9,600			
Total	**$40,200**			
Importance Code A	$30,600			
Importance Code C	$9,600			
Total	**$40,200**			



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
FORT TOTTEN - BLDG. # 318 GENERAL STORAGE
Asset # : 13761

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	95%	Now	$802,700	LIFE	* *	5	$22,900	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 60%								
Location : All Facades								
Vegetation Growth, Extent : Severe, Area Affected : 80%								
Location : All Facades								
Masonry: Limestone	5%	Now	$30,600	LIFE	* *	5	$900	
Vegetation Growth, Extent : Severe, Area Affected : 50%								
Location : All Facades								
Windows								
Wood	100%	Now	$97,600	2055	* *	5	$15,000	1
Broken/Missing Elements, Extent : Severe, Area Affected : 90%								
Location : All Facades								
Dry Rot/Decay, Extent : Severe, Area Affected : 100%								
Location : All Facades								
Glazing Broken/Cracked, Extent : Severe, Area Affected : 60%								
Location : All Facades								
Other Observation, Extent : Light, Area Affected : 50%								
Location : All Facades								
Explanation : Boarded Up Windows								
Roof								
Asphalt Shingle	100%	Now	$50,400	2045	* *			1
Broken/Missing Elements, Extent : Severe, Area Affected : 100%								
Location : Main Roof								
Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
Location : Roof								
Miss/Damaged Flashings, Extent : Severe, Area Affected : 90%								
Location : Roof Fascia, Gutters And Leaders Missing								
Worn/Eroded, Extent : Severe, Area Affected : 100%								
Location : Roof								
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	$9,600	2035	* *			
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Walkways								
Explanation : Vegetation Growth								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Over 600 Volts								
Service Equipment								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Building Is Abandoned Not Occupied								
Transformers								
Not Accessible	100%							
Switchgear / Switchboard								
Not Accessible	100%							
Feeders								
Not Accessible	100%							
Raceway								
Not Accessible	100%							
Under 600 Volts								
Service Equipment								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Building Is Abandoned Not Occupied								
Transformers								
Not Accessible	100%							
Switchgear / Switchboard								
Not Accessible	100%							
Raceway								
Not Accessible	100%							
Panelboards								
Not Accessible	100%							
Wiring								
Not Accessible	100%							
Motor Controllers								
Not Accessible	100%							
Ground								
Grounding Devices								
Not Accessible	100%							
Stand-by Power								
Transfer Switches								
Not Accessible	100%							
Generators								
Not Accessible	100%							
Batteries								
Not Accessible	100%							
Fuel Storage								
Not Accessible	100%							
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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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		
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%							
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	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								
Not Accessible	100%							
Water Heater								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

Asset Name : **FORT TOTTEN - BLDG. # 325 EMS ACADEMY**
Address : **325 PRATT AVENUE**
Borough : **QUEENS**
Program / Asset # : **FIR0020.325 / 13739**
Area Sq Ft : **31,892**
Date of Survey : **17-Sep-2018**
Areas Surveyed : **Basement, Roof, Floors 1,2,3**
Block : **5917** **Lot** : **1**

Agency's Number : **N/A**
Yr Built/Renovated : **1894 /**
Project Type : **FIRE DEPARTMENT**
Landmark Status : **HISTORICAL LANDMARK DISTRICT**
BIN :

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$205,800	$47,600
Interior Architecture	$48,000	
Mechanical	$50,500	
Total	**$304,300**	**$47,600**
Importance Code A	$205,800	$47,600
Importance Code B	$98,500	
Total	**$304,300**	**$47,600**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$1,000	$10,400		$3,500
Interior Architecture	$14,600	$17,700		$6,700
Electrical	$3,500	$3,100	$5,200	$32,100
Mechanical	$22,800	$5,200	$5,100	$16,600
Total	**$41,900**	**$36,400**	**$10,300**	**$58,900**
Importance Code A	$20,200	$12,000	$1,600	$5,100
Importance Code B	$8,300	$23,100	$8,800	$53,700
Importance Code C	$13,400	$1,300		
Total	**$41,900**	**$36,400**	**$10,300**	**$58,900**



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. # 325 EMS ACADEMY
Asset # : 13739

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	$21,900	
Masonry: Brick	35%	Now	$205,800	LIFE	* *	5	$19,600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Front Elevation								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 5%								
Location : Front Elevation And Rear Elevation								
Loose/Delam Surface, Extent : Severe, Area Affected : 5%								
Location : Gymnasium/ Locker Room Wing								
Vegetation Growth, Extent : Moderate, Area Affected : 2%								
Location : Rear Elevation								
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	
Other Observation, Extent : Moderate, Area Affected : 2%								
Location : Front Elevation								
Explanation : Paint Peeling And Deteriorating Fascia Board								
Metal Panel	2%			2043	* *	10	$1,100	
Soffits								
Exposed Struc: Steel	50%	4+	$1,000	LIFE	* *	5	$600	
Corrosion/Rusting, Extent : Moderate, Area Affected : 20%								
Location : Underside Of Stair platform								
Wood	50%			2043	* *	5	$900	
Interior								
Floors								
Carpet	5%			2031	$36,000	3	$4,900	
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	$48,000	2040	* *	3	$1,800	
Loose/Delam Surface, Extent : Severe, Area Affected : 40%								
Location : 2nd And 3rd Floors								
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+	$13,400	LIFE	* *	5	$8,600	
Paint Peeling, Extent : Moderate, Area Affected : 10%								
Location : 3rd Floor								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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%			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	* *			
Cast in Place Concrete	25%			2035	* *			

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%			2050	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Electrical and Mechanical Room								
Explanation : One 600 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Fused Disc Sw	100%			2050	* *	5	$100	
Raceway								
Conduit	40%			2050	* *	1		
Conduit	60%			2030	$2,600	1		
Panelboards								
Fused Disc Sw	2%			2046	* *	5		
Fused Disc Sw	3%			2029	$500	5		
Molded Case Bkrs	30%			2046	* *	5	$300	
Molded Case Bkrs	65%			2029	$11,300	5	$500	
Wiring								
Braided Cloth	10%	2-4	$900	2055	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : Basement And 3rd Floor								
Thermoplastic	30%			2050	* *	1		
Thermoplastic	60%			2030	$5,700	1		
Motor Controllers								
Locally Mounted	100%			2028	$33,400	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		
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	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Water Main And Electrical Room								
Explanation : Ground Wires One For Ground Rod To Earth And One For Water Main								
Stand-by Power								
Transfer Switches								
Automatic	100%			2043	* *	1	$9,800	
Generators								
Diesel	100%			2039	* *	1	$12,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room Outside								
Explanation : One 250 Kilowatt								
Batteries								
Lead/Acid	100%			2024	$1,700	5	$1,200	
Fuel Storage								
Main Tank	100%			2058	* *	5	$900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room Outside								
Explanation : One 250 Gallons								
Lighting								
Interior Lighting								
Fluorescent	25%			2025	$20,300	10	$7,300	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : 3rd Floor And 2nd Floor Auditorium								
LED	75%			2035	* *			
Egress Lighting								
Emergency, Service	48%			2038	* *	1		
Emergency, Service	10%			2025	$1,800	1		
Emergency, Battery	2%			2038	* *	10	$200	
Exit, Service	40%			2038	* *	1		
Exterior Lighting								
HID	20%			2030	$27,900	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		
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
FORT TOTTEN - BLDG. # 325 EMS ACADEMY
Asset # : 13739

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								
Fuel Oil No 2	50%			2050	* *	5	$4,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Out Side								
Explanation : 1800 Gallon Double Wall Tank With Leak Detection Serves Front Building								
Fuel Oil No 2	50%			2050	* *	5	$4,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rear Side Basement								
Explanation : 500 Gallon Double Wall Tank With Leak Detection Serves Rear Building								
Conversion Equipment								
Hot Water Boiler	30%			2043	* *	1	$4,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Rear Building								
Hot Water Boiler	70%	Now	$18,700	2043	* *	1	$9,900	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Basement								
Explanation : Jacket Parts Missing Or Deteriorated. Leaking And Control Issue. General Condition Is Very Poor.								
Distribution								
Hot Wtr Piping/Pump	100%			2038	* *	4	$2,400	
Terminal Devices								
Convector/Radiator	100%			2043	* *	1	$10,300	
Air Conditioning								
Energy Source								
Electricity	100%			2046	* *	1		
Conversion Equipment								
Split Unit	30%			2038	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : 6 Units. R-410a. Serves Rear Building								
Window/Wall Unit	70%			2025	$50,500	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout Front Building								
Explanation : Serves Front Building								
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	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	30%			2038	* *	2	$300	
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2050	* *	1		
Water Heater								
Oil Fired	70%			2028	$20,100	1	$700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rear Of Basement								
Explanation : Two 90 Gallon Units								
Oil Fired	30%			2025	$8,600	1	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front Side Basement								
Explanation : 1 Unit								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2023	$1,200	4	$1,000	
Sewage Ejector(s)								
Electric	100%			2035	* *	4	$1,900	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$805,300	
Mechanical	$270,800	$255,400
Total	**$1,076,100**	**$255,400**
Importance Code A	$849,500	
Importance Code B	$226,600	$255,400
Total	**$1,076,100**	**$255,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$28,400			
Mechanical	$38,600	$600	$2,700	$600
Site Enclosure	$2,600			
Total	**$69,500**	**$600**	**$2,700**	**$600**
Importance Code A	$28,400	$600	$600	$600
Importance Code B	$41,200		$2,100	
Total	**$69,500**	**$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		
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	$89,400	LIFE	* *	5	$11,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Various Locations Around Building								
Masonry: Brick	85%	Now	$406,600	LIFE	* *	5	$19,400	
Vegetation Growth, Extent : Light, Area Affected : 75%								
Location : Various Locations Around Building								
Vertical Cracks, Extent : Moderate, Area Affected : 10%								
Location : Various Locations Around Building								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Entire Building								
Explanation : Building Is Abandoned. Not In Use.								
Wood	5%	Now	$69,300	2050	* *	5	$2,800	1
Dry Rot/Decay, Extent : Severe, Area Affected : 100%								
Location : Front Entry Columns								
Windows								
Wood	100%	Now	$60,900	2055	* *	5	$9,400	1
Broken/Missing Elements, Extent : Severe, Area Affected : 100%								
Location : Front, Side And Rear Facades								
Dry Rot/Decay, Extent : Severe, Area Affected : 100%								
Location : All Facades								
Glazing Broken/Cracked, Extent : Severe, Area Affected : 100%								
Location : All Facades								
Roof								
Slate	100%	Now	$179,100	LIFE	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Various Locations								
Soffits								
Stucco Cement	100%	Now	$28,400	2050	* *	5	$1,100	
Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
Location : Front Entrance								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Front Entrance								
Explanation : Fascia Of Entrance Canopy Is Deteriorating								
Interior								
Floors								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : First Floor								
Explanation : Entrances Boarded Closed.								
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		
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	$2,600	2080	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
Location : Left Side Of Building								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	60%			2028				
Pavers/Stone	40%			2033	* *			

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								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Building Is Abandoned								
Transformers								
Not Accessible	100%							
Switchgear / Switchboard								
Not Accessible	100%							
Raceway								
Not Accessible	100%							
Panelboards								
Not Accessible	100%							
Wiring								
Not Accessible	100%							
Motor Controllers								
Not Accessible	100%							
Ground								
Grounding Devices								
Not Accessible	100%							
Stand-by Power								
Transfer Switches								
Not Accessible	100%							
Generators								
Not Accessible	100%							
Batteries								
Not Accessible	100%							
Fuel Storage								
Not Accessible	100%							
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. # 332 FORMER THEATRE
Asset # : 13766

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								
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		
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%	Now	$18,000	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	$44,200	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	$20,700	2055	* *	1		
Abandoned in Place, Extent : Severe, Area Affected : 100%								
Location : 2nd Floor								
Conversion Equipment								
Interior Pkg Unit - Cooling	100%	Now	$153,300	2031	$255,400	2	$300	
Abandoned in Place, Extent : Severe, Area Affected : 100%								
Location : 2nd Floor								
Distribution								
Ductwork/Diffusers	100%	Now	$73,300	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	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								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$52,600	$60,400
Interior Architecture	$194,500	
Electrical	$22,400	$233,800
Mechanical		$208,300
Site Pavements	$156,700	
Total	**$426,100**	**$502,500**
Importance Code A	$52,600	$184,100
Importance Code B	$216,900	$318,400
Importance Code C	$156,700	
Total	**$426,100**	**$502,500**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$36,400	$24,100		
Interior Architecture	$68,100	$2,300	$700	$7,800
Electrical	$1,700	$1,700	$2,200	$42,900
Mechanical	$8,600	$2,300	$2,600	$20,300
Site Enclosure	$400			
Site Pavements	$3,200	$100	$100	$600
Total	**$118,400**	**$30,500**	**$5,600**	**$71,600**
Importance Code A	$42,600	$25,900	$1,700	$1,800
Importance Code B	$72,500	$4,400	$3,700	$69,300
Importance Code C	$3,200	$300	$100	$600
Total	**$118,400**	**$30,500**	**$5,600**	**$71,600**



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. # 333 QUARTERMASTER
Asset # : 13767

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								
Alum/Vinyl Siding	15%	Now	$2,500	2040	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 2%								
Location : Near Ramp								
Cast in Place Concrete	5%	Now	$14,000	LIFE	* *	5	$5,400	1
Cracking/Crumbling, Extent : Severe, Area Affected : 50%								
Location : Base Of Building								
Masonry: Brick	70%	Now	$52,600	LIFE	* *	5	$15,000	1
Broken/Missing Elements, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 10%								
Location : Throughout								
Vegetation Growth, Extent : Moderate, Area Affected : 25%								
Location : Various Locations								
Masonry: Fieldstone	8%	4+	$3,400	LIFE	* *	5	$1,300	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
Location : Various Locations								
Wood	2%	0-2	$10,500	2043	* *	5	$1,100	
Deteriorated Finish, Extent : Severe, Area Affected : 20%								
Location : Wood Columns At Entry								
Dry Rot/Decay, Extent : Severe, Area Affected : 5%								
Location : Basement								
Paint Peeling, Extent : Severe, Area Affected : 80%								
Location : Wood Columns								
Windows								
Wood	100%			2038	* *	5	$48,200	
Air Infiltration, Extent : Moderate, Area Affected : 75%								
Location : Various Locations, Due To Window Air Conditioning Units								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Basement								
Roof								
Asphalt Shingle	100%	Now	$6,000	2026	$60,400			
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Various Locations								
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		
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	$3,400	LIFE	* *	5	$12,200	
Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
Location : Basement								
Ceramic Tile	5%			2039	* *	5	$1,400	
Sheet Vinyl/Rubber	10%			2038	* *	5	$4,200	
Vinyl Tile	45%	Now	$123,500	2040	* *	3	$4,700	
Broken/Missing Elements, Extent : Severe, Area Affected : 40%								
Location : Basement, 1st Floor Office And Throughout								
Cracking/Crumbling, Extent : Severe, Area Affected : 80%								
Location : Basement, Tailor Shop And 1st Floor								
Vinyl Tile 9" X 9"	20%	Now	$71,100	2040	* *	3	$2,100	
Adhesion Failure, Extent : Severe, Area Affected : 50%								
Location : Basement								
Broken/Missing Elements, Extent : Severe, Area Affected : 50%								
Location : Basement								
Interior Walls								
Ceramic Tile	2%			2033	* *	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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Lobby								
Explanation : Wainscot								
Ceilings								
AcousTileSusp.Lay-In	40%			2035	* *	5	$11,100	
Embossed Metal	5%	Now	$14,200	LIFE	* *	5	$600	
Bent/Warped Elements, Extent : Light, Area Affected : 30%								
Location : Basement								
Paint Peeling, Extent : Light, Area Affected : 20%								
Location : Basement								
Gypsum Board	45%	Now	$29,400	LIFE	* *	5	$15,600	
Broken/Missing Elements, Extent : Light, Area Affected : 30%								
Location : Basement								
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Plaster	10%	Now	$21,200	LIFE	* *	5	$1,700	
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Basement								
Site Enclosure								
Retaining Walls								
Cast in Place Concrete	100%	Now	$400	2065	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 80%								
Location : Entry Ramp Wall								
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. # 333 QUARTERMASTER
Asset # : 13767

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								
On-Site Walkways								
Cast in Place Concrete	80%	4+	$2,600	2043	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Wood	20%			2028	$19,100	1-3	$2,800	
Parking/Driveway								
Asphalt	100%	0-2	$156,700	2045	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 40%								
Location : Parking Area								

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%			2040	* *	5	$100	
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	
Raceway								
Conduit	90%			2030	$3,900	1		
Conduit	10%			2040	* *	1		
Panelboards								
Molded Case Bkrs	80%			2029	$6,900	5	$400	
Molded Case Bkrs	20%			2038	* *	5	$100	
Wiring								
Thermoplastic	80%			2030	$7,600	1		
Thermoplastic	20%			2040	* *	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$300	
Stand-by Power								
Transfer Switches								
Automatic	100%			2035	* *	1	$5,400	
Lighting								
Interior Lighting								
Fluorescent	50%			2030	$22,400	10	$8,100	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement								
Fluorescent	50%			2025	$22,400	10	$8,100	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : 1st Floor								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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

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								
Egress Lighting								
Emergency, Battery	50%			2025	$13,800	10	$2,100	
Exit, Service	50%			2025	$2,800	1		
Exterior Lighting								
HID	10%			2025	$7,700	10		
Incandescent	10%			2025	$6,500	2		
No Component	80%							
Alarm								
Security System								
No Component	80%							
Generic	20%			2030	$12,400	1	$1,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Hallways								
Explanation : Intrusion Alarm Only. Motion Sensors								
Fire/Smoke Detection								
Generic, Digital	100%			2030	$211,500	1-3	$10,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : Strobe Lights, Manual Pull Stations Smoke Detectors And Bells								

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								
Fuel Oil No 2	100%			2056	* *	5	$5,500	
Conversion Equipment								
Steam Boiler	100%	0-2	$6,200	2028	$123,800	1	$15,700	
Damaged, Extent : Moderate, Area Affected : 30%								
Location : Basement Flue Duct Needs To Be Repaired / Replaced								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Mechanical Room								
Explanation : 1 Oil Fired Steam Boiler								
Distribution								
Steam Piping/Pump	100%	0-2	$1,700	2030	$84,600			
Insul. Deteriorating, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Terminal Devices								
Convector/Radiator	100%			2035	* *	1	$5,700	
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Split Unit	5%			2030	$20,400			
Window/Wall Unit	45%			2025	$17,900	1		
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. # 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	$9,100	1	$300	
No Component	95%							
Heat Rejection								
Dry Cooler	5%			2030	$2,600	2	$600	
No Component	95%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	* *	2-5	$1,000	
No Component	90%							
Exhaust Fans								
Roof	10%			2030	$3,200	2	$100	
No Component	90%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	* *	1		
Water Heater								
Electric	100%			2029	$16,800	4	$100	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$227,600	$440,600
Interior Architecture	$61,100	$243,800
Electrical		$158,200
Mechanical	$53,700	$138,000
Site Pavements	$188,500	
Total	**$530,900**	**$980,700**
Importance Code A	$227,600	$479,400
Importance Code B	$53,700	$501,300
Importance Code C	$249,600	
Total	**$530,900**	**$980,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$20,200			
Interior Architecture	$1,100	$25,100	$600	$3,300
Electrical	$3,300	$6,000	$3,300	$14,600
Mechanical	$6,000	$2,400	$2,900	$6,100
Site Pavements	$6,700			
Total	**$37,200**	**$33,500**	**$6,800**	**$23,900**
Importance Code A	$21,400	$1,200	$1,200	$1,200
Importance Code B	$9,100	$28,200	$5,600	$22,700
Importance Code C	$6,700	$4,200		
Total	**$37,200**	**$33,500**	**$6,800**	**$23,900**



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. # 336 FLSTP BILLETS
Asset # : 13768

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	2%	Now	$3,800	LIFE	* *	5	$5,800	
Cracking/Crumbling, Extent : Severe, Area Affected : 1%								
Location : Boiler Room Entrance, Steps At Entry								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Basement Laundry Room								
Cast Stone/Terra Cotta	2%			LIFE	* *	5	$9,100	
Masonry: Brick	96%	0-2	$98,100	LIFE	* *	5	$56,000	
Other Observation, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Explanation : Brick Open Joints								
Windows								
Steel	2%	Now	$16,400	2055	* *	5	$1,700	
Corrosion/Rusting, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Glazing Broken/Cracked, Extent : Severe, Area Affected : 2%								
Location : Basement								
Hardware Missing, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Caulking Deteriorated, Extent : Severe, Area Affected : 100%								
Location : Basement								
Wood	98%	0-2	$129,600	2046	* *	5	$66,300	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 5%								
Location : 2nd And 3rd Floors								
Dry Rot/Decay, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Other Observation, Extent : Light, Area Affected : 100%								
Location : All Facades								
Explanation : Vinyl-clad Wood Windows								
Roof								
Built-Up (BUR)	100%			2030	$318,300	10	$20,200	
Interior								
Floors								
Carpet	60%			2026	$391,800	3	$39,700	
Cast in Place Concrete	10%	Now	$1,100	LIFE	* *	5	$9,600	
Water Penetration, Extent : Moderate, Area Affected : 60%								
Location : Basement, Washroom Area								
Other Observation, Extent : Severe, Area Affected : 10%								
Location : Basement Boiler Room								
Explanation : Ground Water Leaking In								
Mosaic Tile	10%			2043	* *	5	$11,000	
Sheet Vinyl/Rubber	10%			2030	$151,800	5	$6,600	
Vinyl Tile	10%			2030	$43,500	3	$1,700	

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*** 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

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	10%	Now	$61,100	LIFE	* *			
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	* *	5	$8,300	
Concrete Masonry Unit	60%			LIFE	* *	5	$10,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Basement, Washroom Area								
Gypsum Board	10%			LIFE	* *	5	$2,500	
Ceilings								
AcousTileSusp.Lay-In	10%			2043	* *	5	$4,400	
Exposed Concrete	2%			LIFE	* *	5	$100	
Gypsum Board	88%			LIFE	* *	5	$48,500	
Site Enclosure								
Retaining Walls								
Cast in Place Concrete	100%			2050	* *			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	Now	$6,700	2043	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 40%								
Location : Walkways								
Parking/Driveway								
Asphalt	100%	Now	$188,500	2045	* *			
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		
System / Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Over 600 Volts								
Service Equipment								
Oil Fuse Cutout	100%			2030	$38,800	3	$100	
Transformers								
Dry Type	100%			2035	* *	3	$100	
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	$17,900	1		
Raceway								
Conduit	100%			2030	$47,500	1		
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
FORT TOTTEN - BLDG. # 336 FLSTP BILLETS
Asset # : 13768

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%		2040	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%							
Location : Basement							
Explanation : Main Service Disconnect Switch Rated At 800 Amperes.							
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	$25,000	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	* *	1	$9,200	
Other Observation, Extent : Light, Area Affected : 100%							
Location : Rear Of The Building							
Explanation : Emergency Generator Rated At 80 Kilovolt-ampere							
Batteries							
Lead/Acid	100%		2023	$1,700	5	$900	
Fuel Storage							
Main Tank	100%		2045	* *	5	$700	
Other Observation, Extent : Light, Area Affected : 100%							
Location : Rear Of The Building							
Explanation : 60 Gallons Rated Capacity							
Lighting							
Interior Lighting							
Fluorescent	50%		2035	* *	10	$10,900	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
Location : Throughout The Building							
Incandescent	50%		2030	$71,900	2	$300	
Egress Lighting							
Emergency, Service	50%		2030	$6,800	1		
Exit, Service	50%		2035	* *	1		
Exterior Lighting							
HID	30%		2030	$31,200	10		
No Component	70%						
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.
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*** 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

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
Alarm								
Security System								
No Component	70%							
Generic	30%			2030	$25,000	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		
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%			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	$2,000	2038	* *	4	$1,200	
Corroded, Extent : Moderate, Area Affected : 20%								
Location : Boiler Room								
Terminal Devices								
Convector/Radiator	100%			2028	$138,000	1	$7,700	
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Window/Wall Unit	100%			2025	$53,700	1		
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	* *	1		
Water Heater								
Electric	100%			2028	$22,700	4	$100	
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$900	4	$800	

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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

FORT TOTTEN - BLDG. # 336 FLSTP BILLETS

Asset # : 13768

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								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$136,900	$49,600
Interior Architecture		$391,500
Electrical	$50,100	
Mechanical	$43,100	
Site Pavements	$370,700	
Total	**$600,700**	**$441,100**
Importance Code A	$136,900	$49,600
Importance Code B	$93,100	$391,500
Importance Code C	$370,700	
Total	**$600,700**	**$441,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$8,200		$1,700	
Interior Architecture	$38,700	$4,800		$5,600
Electrical	$1,800	$2,300	$4,000	$43,900
Mechanical	$4,300	$3,600	$3,200	$7,100
Site Enclosure	$600			
Site Pavements	$6,200			
Total	**$59,700**	**$10,700**	**$8,900**	**$56,600**
Importance Code A	$10,400	$2,200	$3,900	$2,400
Importance Code B	$35,800	$8,100	$5,000	$54,200
Importance Code C	$13,500	$400		
Total	**$59,700**	**$10,700**	**$8,900**	**$56,600**



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. # 405 EMS ACADEMY - CFR TRAINING

Asset # : 13772

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	20%	Now	$8,200	LIFE	* *	5	$11,700	
Broken/Missing Elements, Extent : Severe, Area Affected : 1%								
Location : Building Extension At Rear, Front Entrance Area								
Diagonal Cracks, Extent : Moderate, Area Affected : 1%								
Location : Chimney								
Masonry: Brick	65%			LIFE	* *	5	$37,900	
Masonry: Granite	10%			LIFE	* *	5	$4,400	
Wood	5%	Now	$71,100	2043	* *	5	$7,300	
Dry Rot/Decay, Extent : Severe, Area Affected : 100%								
Location : Wood Columns At Entry								
Paint Peeling, Extent : Severe, Area Affected : 90%								
Location : Roof Eaves/ Soffits								
Split/Cracked, Extent : Severe, Area Affected : 70%								
Location : Roof Eaves/ Soffits, Entry Columns								
Windows								
Aluminum	10%	Now	$65,800	2055	* *	5	$700	
Air Infiltration, Extent : Severe, Area Affected : 100%								
Location : North Side								
Glazing Broken/Cracked, Extent : Moderate, Area Affected : 1%								
Location : North Side								
Water Penetration, Extent : Severe, Area Affected : 100%								
Location : North Side								
Aluminum	90%			2046	* *	5	$12,200	
Roof								
Asphalt Shingle	90%			2039	* *	10	$3,000	
Roll Roofing	10%			2029	$9,700	5	$3,400	
Soffits								
Alum/Vinyl Siding	40%			2050	* *	10		
Stucco Cement	60%			2035	* *	5		
Interior								
Floors								
Carpet	3%	4+	$400	2026	$19,600	3	$2,000	
Staining/Discoloring, Extent : Moderate, Area Affected : 30%								
Location : 1st Floor A/v Conference Room								
Cast in Place Concrete	5%			LIFE	* *	5	$4,800	
Mosaic Tile	2%	4+	$1,200	2035	* *	5	$1,100	
Broken/Missing Elements, Extent : Severe, Area Affected : 2%								
Location : Toilet Room								
Vinyl Tile	90%	4+	$7,800	2030	$391,500	3	$14,900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%								
Location : 1st Floor Cafeteria								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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	* *	5	$800	
Concrete Masonry Unit	2%			LIFE	* *	5	$300	
Masonry: Brick	2%			LIFE	* *			
Plaster	94%	Now	$7,300	LIFE	* *	5	$11,700	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Stairways								
Water Penetration, Extent : Severe, Area Affected : 3%								
Location : Basement Room B03, Second Floor, Meeting Room								
Ceilings								
AcousTile,Adhered	10%	0-2	$1,000	2035	* *	5	$2,200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 8%								
Location : Second Floor, Rooms 203, 210 And Hallway								
AcousTileSusp.Lay-In	20%			2043	* *	5	$8,800	
AcousTileSusp.Lay-In	10%	4+	$800	2035	* *	5	$2,200	
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : 3rd Floor, Toilet Rooms								
Plaster	60%	Now	$20,100	LIFE	* *	5	$16,500	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : 2nd Floor Hallway And Stairway								
Paint Peeling, Extent : Light, Area Affected : 10%								
Location : 2nd Floor Classrooms								
Water Penetration, Extent : Moderate, Area Affected : 12%								
Location : Basement Room B03, 2nd Floor Offices.								
Site Enclosure								
Retaining Walls								
Masonry: Brick	100%	0-2	$600	2040	* *			
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
Location : Front Of Building								
Site Pavements								
On-Site Walkways								
Asphalt	25%			2033	* *			
Cast in Place Concrete	75%	Now	$6,200	2043	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 40%								
Location : Front Entrance Walkways And Steps, Property Sidewalks								
Parking/Driveway								
Asphalt	100%	Now	$370,700	2045	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
Location : Parking Area								

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

FORT TOTTEN - BLDG. # 405 EMS ACADEMY - CFR TRAINING

Asset # : 13772

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	30%			2050	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : One 400 Ampere Main Disconnect Switch For Generator								
Molded Case Bkrs	70%			2050	* *	5	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect Switch For The Building								
Transformers								
Dry Type	100%			2043	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Next To Generator Room								
Explanation : One 112.5 Kilovolt-ampere 208 Volts Primary - 120 Volts Secondary								
Raceway								
Conduit	30%			2050	* *	1		
Conduit	70%			2030	$3,000	1		
Panelboards								
Fused Disc Sw	5%			2029	$900	5		
Molded Case Bkrs	95%			2046	* *	5	$600	
Wiring								
Thermoplastic	70%			2050	* *	1		
Thermoplastic	30%			2030	$2,800	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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : One 80 Kilowatt								
Batteries								
Lead/Acid	100%			2024	$1,700	5	$800	
Fuel Storage								
Main Tank	100%			2058	* *	5	$700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Generator Room								
Explanation : One - 45 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

FORT TOTTEN - BLDG. # 405 EMS ACADEMY - CFR TRAINING

Asset # : 13772

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	88%			2025	$50,100	10	$18,100	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Fluorescent	10%			2035	* *	10	$2,100	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Hallway								
Incandescent	2%			2025	$2,700	2		
Egress Lighting								
Emergency, Service	50%			2025	$6,400	1		
Emergency, Service	10%			2035	* *	1		
Exit, Service	40%			2025	$2,800	1		
Exterior Lighting								
HID	10%			2025	$9,800	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		
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%			2050	* *	5	$6,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2,000 Gallon Tank								
Conversion Equipment								
Steam Boiler	100%			2035	* *	1	$22,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	100%			2040	* *			
Terminal Devices								
Convector/Radiator	100%			2035	* *	1	$7,200	
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. # 405 EMS ACADEMY - CFR TRAINING

Asset # : 13772

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								
Conversion Equipment								
Split Unit	15%			2035	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor Training Room								
Explanation : 3 Units. Refrigerant 410a								
Window/Wall Unit	85%			2025	$43,100	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								
Oil Fired	100%			2028	$20,200	1	$700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$800	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.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Mechanical		$28,800
Site Pavements		$88,400
Total		**$117,100**
Importance Code B		$28,800
Importance Code C		$88,400
Total		**$117,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$1,100	$3,600		
Interior Architecture	$84,800	$1,400		
Electrical	$3,100	$300	$300	$10,400
Mechanical	$1,900	$1,200	$2,000	$21,900
Site Pavements	$2,400	$2,700	$400	$400
Total	**$93,300**	**$9,200**	**$2,700**	**$32,600**
Importance Code A	$1,800	$4,300	$700	$800
Importance Code B	$56,400	$1,800	$1,600	$31,500
Importance Code C	$35,100	$3,000	$400	$400
Total	**$93,300**	**$9,200**	**$2,700**	**$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

FORT TOTTEN - BLDG. # 415 FLSTP - DINING HALL

Asset # : 13777

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%			LIFE	* *	5	$9,000	
Recent Repair Evident, Extent : Light, Area Affected : 100%								
Location : Facade Pointing								
Masonry: Granite	20%			LIFE	* *	5	$1,900	
Wood	10%			2043	* *	5	$6,400	
Recent Repair Evident, Extent : Light, Area Affected : 100%								
Location : Porch Entablature, Balustrade And Roof Eaves								
Windows								
Wood	100%			2052	* *	5	$2,200	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : All Facades								
Other Observation, Extent : Light, Area Affected : 100%								
Location : All Facades								
Explanation : Vinyl-clad Wood Windows								
Roof								
Modified Bitumen	30%			2038	* *	10	$8,400	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Porch Roof								
Slate	70%			LIFE	* *			
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Main Roof								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Main Roof								
Explanation : Synthetic/ Polymer Slate Roof								
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	* *	5	$300	
Vinyl Tile	35%			2038	* *	3	$1,900	
Wood	40%	0-2	$22,700	2058	* *	5	$5,600	
Deteriorated Finish, Extent : Severe, Area Affected : 40%								
Location : Section B								
Interior Walls								
Ceramic Tile	3%			2043	* *	5	$400	
Ceramic Tile	2%			2033	* *	5	$300	
Gypsum Board	45%			LIFE	* *	5	$3,900	
Masonry: Brick	5%			LIFE	* *			
Metal Panel	5%			LIFE	* *			
Plaster	40%	Now	$32,700	LIFE	* *	5	$1,800	
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : Section B 2nd Floor, Bathrooms, Stair Walls								
Deteriorated Finish, Extent : Severe, Area Affected : 60%								
Location : Section B, Stair Walls And Corridors, Bathrooms								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
System / Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
AcousTileSusp.Lay-In	65%			2047	* *	5	$9,600	
Embossed Metal	8%			LIFE	* *	5	$500	
Embossed Metal	7%	4+	$2,100	LIFE	* *	5	$500	
Paint Peeling, Extent : Severe, Area Affected : 20%								
Location : Section B								
Plaster	20%	Now	$22,500	LIFE	* *	5	$1,900	
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+	$2,000	2035	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Entry Walkway								
Wood	60%			2029	$88,400	1-3	$10,600	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Entry Porch Floor And Steps								
Parking/Driveway								
Asphalt	100%			2033	* *			

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	70%			2050	* *	5		
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		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Ampere Main Disconnect Switch For The Portable Generator								
Raceway								
Conduit	50%			2030	$2,200	1		
Conduit	40%			2050	* *	1		
Conduit	10%			2060	* *	1		
Panelboards								
Fused Disc Sw	5%			2046	* *	5		
Molded Case Bkrs	95%			2046	* *	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.
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*** 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

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								
Wiring								
Braided Cloth	30%	0-2	$2,800	2055	* *	1		
Insulation Aged, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
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	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : 1st and 2nd Floor								
Fluorescent	60%			2035	* *	10	$5,400	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
LED	30%			2040	* *			
Exterior Lighting								
HID	20%			2035	* *	10		
Incandescent	10%			2025	$3,700	2		
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								
Energy Source								
Fuel Oil No 2	100%			2056	* *	5	$3,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : A And B Side. Basement								
Explanation : 2 Tanks In Each Side.								
Conversion Equipment								
Hot Water Boiler	50%			2047	* *	1	$2,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : A Side Basement								
Explanation : 1 Unit								
Steam Boiler	50%			2047	* *	1	$4,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : B Side Basement								
Explanation : 1 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.*

FIRE DEPARTMENT - 057

FORT TOTTEN - BLDG. # 415 FLSTP - DINING HALL

Asset # : 13777

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	50%			2052	* *	4	$200	
Steam Piping/Pump	50%			2030	$23,800			
Terminal Devices								
Convector/Radiator	50%			2050	* *	1	$1,600	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : A Side Throughout								
Convector/Radiator	50%			2028	$28,800	1	$1,600	
Air Conditioning								
Energy Source								
Electricity	100%			2046	* *	1		
Conversion Equipment								
Split Unit	50%			2040	* *			
Recent Installation, Extent : Light, Area Affected : 100%								
Location : 4 Units In A Side. Refrigerant R-410a.								
Window/Wall Unit	50%			2025	$11,200	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout B Side.								
Explanation : Multiple Units								
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		
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : A Side								
Brass/Copper	50%			2040	* *	1		
Water Heater								
Electric	100%			2025	$9,500	4	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : A And B Side Baement								
Explanation : 1 Unit In Each Side								
Sanitary Piping								
Cast Iron	50%			LIFE	* *	1		
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : A Side								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$81,100	
Total	**$81,100**	
Importance Code A	$81,100	
Total	**$81,100**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$66,600			
Interior Architecture	$7,200	$4,900	$100	
Electrical	$100			$5,700
Mechanical	$500	$400	$500	$600
Site Pavements	$12,500			
Total	**$86,900**	**$5,200**	**$500**	**$6,300**
Importance Code A	$66,900	$200	$200	$200
Importance Code B	$4,400	$5,000	$300	$6,100
Importance Code C	$15,600		$100	
Total	**$86,900**	**$5,200**	**$500**	**$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

FORT TOTTEN - BLDG.# 134 A AND B 1B MEDICAL BOARD

Asset # : 13741

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	10%	Now	$27,600	LIFE	* *	5	$7,000	
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : Exterior Stairs And Railing								
Spalling, Extent : Moderate, Area Affected : 30%								
Location : Exterior Stairs								
Cement-Fiber Panel	5%	Now	$2,300	2035	* *			
Worn/Eroded, Extent : Moderate, Area Affected : 40%								
Location : Throughout								
Masonry: Brick	55%	Now	$81,100	LIFE	* *	5	$7,700	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Vegetation Growth, Extent : Moderate, Area Affected : 5%								
Location : Front And Side Elevations								
Masonry: Brick	15%			LIFE	* *	5	$2,100	
Pre-Cast Concrete	5%			LIFE	* *	5	$2,300	
Wood	10%	Now	$34,200	2043	* *	5	$3,500	1
Deteriorated Finish, Extent : Severe, Area Affected : 40%								
Location : Eaves, Soffits, Gables								
Dry Rot/Decay, Extent : Severe, Area Affected : 20%								
Location : Fascia Boards								
Paint Peeling, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Windows								
Aluminum	100%			2046	* *	5	$4,200	
Roof								
Asphalt Shingle	85%			2039	* *	10	$1,600	
Copper/Terne	15%	Now	$2,600	2058	* *			
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : Roof Surface								
Explanation : Flashing Misaligned And Deteriorated.								
Interior								
Floors								
Cast in Place Concrete	10%			LIFE	* *	5	$1,300	
Ceramic Tile	5%	Now	$300	2039	* *	5	$100	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : 2nd Floor Bathroom								
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		
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	$200	
Gypsum Board	40%			LIFE	* *	5	$800	
Masonry: Brick	10%	Now	$2,800	LIFE	* *			
Paint Peeling, Extent : Moderate, Area Affected : 60%								
Location : Basement								
Spalling, Extent : Moderate, Area Affected : 30%								
Location : Basement								
Plaster	45%	4+	$300	LIFE	* *	5	$400	
Paint Peeling, Extent : Light, Area Affected : 2%								
Location : Basement Stairwell								
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : Basement								
Ceilings								
AcousTileSusp.Lay-In	15%			2043	* *	5	$900	
Plaster	85%	Now	$3,800	LIFE	* *	5	$3,100	
Water Penetration, Extent : Severe, Area Affected : 2%								
Location : 1st Floor Entry At Waiting Area, Office In Section B								
Site Enclosure								
Retaining Walls								
Cast in Place Concrete	100%			2050	* *			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	Now	$12,500	2043	* *			
Misaligned/Bulging, Extent : Severe, Area Affected : 4%								
Location : Walkways To Entrances, Stairs In The Rear								

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%			2056	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Section A And B								
Explanation : Two 100 Ampere Main Disconnect Switches								
Raceway								
Conduit	90%			2056	* *	1		
Conduit	10%			2030	$400	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		
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	
Lighting								
Interior Lighting								
Fluorescent	100%			2038	* *	10	$4,000	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Egress Lighting								
Emergency, Battery	50%			2038	* *	10	$500	
Exit, Service	50%			2038	* *	1		
Exterior Lighting								
HID	30%			2025	$5,700	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								
Energy Source								
Fuel Oil No 2	100%			2056	* *	5	$1,300	
Conversion Equipment								
Hot Water Boiler	100%			2043	* *	1	$2,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : A And B Side Basement								
Explanation : 1 Unit For Each Side								
Distribution								
Hot Wtr Piping/Pump	100%			2038	* *	4	$300	
Terminal Devices								
Convector/Radiator	100%			2047	* *	1	$1,400	
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Window/Wall Unit	100%			2029	$9,800	1		
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2050	* *	1		
Water Heater								
Electric	50%			2028	$2,100	4		
Other Observation, Extent : Light, Area Affected : 100%								
Location : B Side Basement								
Explanation : 1 Unit								
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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
HW Heat Exchanger								
Steam Fired	50%			2056	* *	4	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : A Side Basement								
Explanation : Domestic Coil In Boiler								
No Component	50%							
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2025	$200	4	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1 Unit In Each Side Basement								
Explanation : 2 Units								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$25,600			
Interior Architecture	$11,900	$4,000		
Electrical	$100			$5,800
Mechanical	$900	$400	$600	$10,100
Total	**$38,500**	**$4,400**	**$600**	**$15,900**
Importance Code A	$25,800	$200	$200	$200
Importance Code B	$1,700	$4,100	$400	$15,700
Importance Code C	$10,900			
Total	**$38,500**	**$4,400**	**$600**	**$15,900**



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.# 316 A AND B COMMUNICATIONS

Asset # : 13759

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								
Cement-Fiber Panel	15%	Now	$400	2035	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Throughout								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Explanation : Paint Peeling								
Masonry: Brick	75%	0-2	$7,600	LIFE	* *	5	$4,400	
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Basement Walls								
Wood	10%	Now	$17,700	2043	* *	5	$1,500	
Deteriorated Finish, Extent : Severe, Area Affected : 70%								
Location : Fascia Board								
Paint Peeling, Extent : Severe, Area Affected : 100%								
Location : Fascia Board And Frieze								
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	$1,000	LIFE	* *	5	$3,400	
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Basement Floor								
Mosaic Tile	5%			2043	* *	5	$800	
Vinyl Tile	8%			2035	* *	3	$200	
Vinyl Tile 9" X 9"	2%			2030	$1,600	3		
Worn/Eroded, Extent : Moderate, Area Affected : 5%								
Location : Rear Entry Foyer								
Wood	60%			2058	* *	5	$7,100	
Interior Walls								
Ceramic Tile	5%	Now	$2,900	2033	* *	5	$200	
Misaligned/Bulging, Extent : Moderate, Area Affected : 20%								
Location : Bathrooms								
Masonry: Brick	10%	Now	$8,100	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 30%								
Location : Basement								
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		
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		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 100 Ampere Main Disconnect Switch For Section A And B								
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	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Incandescent	4%			2025	$1,000	2		
Exterior Lighting								
Incandescent	30%			2025	$4,800	2		
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								
Energy Source								
Fuel Oil No 2	100%			2056	* *	5	$1,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : B Side Basement								
Explanation : 2 New Tanks								
Conversion Equipment								
Hot Water Boiler	100%			2043	* *	1	$2,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : B Side Basement								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	100%	0-2	$400	2038	* *	4	$200	
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Back Corner Office.								
Explanation : Not Sufficient Heat In 2nd Floor Back Corner Office.								
Terminal Devices								
Convector/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		
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								
Window/Wall Unit	100%			2025	$9,700	1		
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	* *	1		
HW Heat Exchanger								
Steam Fired	100%			2050	* *	4	$600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : B Side Basement								
Explanation : Domestic Coil Inside Boiler								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2024	$200	4	$100	
Fixtures								
Generic	100%							
Other Observation, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Mens Room								
Explanation : Bathtub Piping Is Disconnected.								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$57,400	
Site Enclosure	$107,900	
Site Pavements	$153,700	$153,700
Total	**$319,100**	**$153,700**
Importance Code A	$57,400	
Importance Code C	$261,700	$153,700
Total	**$319,100**	**$153,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$29,200			
Interior Architecture	$23,000			$7,600
Electrical	$4,100	$300	$300	$35,500
Mechanical	$3,000	$1,400	$1,400	$20,800
Site Pavements		$600	$600	$4,600
Total	**$59,400**	**$2,400**	**$2,400**	**$68,500**
Importance Code A	$30,300	$1,100	$1,100	$1,100
Importance Code B	$26,600	$700	$700	$62,800
Importance Code C	$2,500	$600	$600	$4,600
Total	**$59,400**	**$2,400**	**$2,400**	**$68,500**



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

FORT TOTTEN - BLDG.# 400 A AND B FIRE PREVENTION DISTRICT OFFICE

Asset # : 13771

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	80%			LIFE	* *	5	$15,100	
Granite Panels	10%			LIFE	* *	5	$1,400	
Wood	10%	Now	$57,400	2043	* *	5	$4,700	
Dry Rot/Decay, Extent : Severe, Area Affected : 60%								
Location : Wood Fascia, Wood Columns, Porch Entablature								
Paint Peeling, Extent : Severe, Area Affected : 100%								
Location : Wood Columns, Wood Fascia								
Worn/Eroded, Extent : Severe, Area Affected : 60%								
Location : Roof Eaves, Cornice Entablature								
Windows								
Wood	100%	Now	$29,200	2046	* *	5	$11,200	1
Air Infiltration, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Dry Rot/Decay, Extent : Severe, Area Affected : 80%								
Location : Throughout								
Thermally Inefficient, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Paint Peeling, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Caulking Deteriorated, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
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	$400	2039	* *	5	$400	
Broken/Missing Elements, Extent : Severe, Area Affected : 2%								
Location : Throughout.								
Vinyl Tile	15%	Now	$4,600	2035	* *	3	$900	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Kitchen And Various Offices								
Worn/Eroded, Extent : Severe, Area Affected : 30%								
Location : Corridors, Kitchen								
Wood	50%			2045	* *	5	$14,600	
Worn/Eroded, Extent : Severe, Area Affected : 70%								
Location : 3rd Floor Attic Space, 2nd Floor Offices								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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	$100	2039	* *	5	$100	
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%								
Location : Bathrooms								
Masonry: Brick	10%			LIFE	* *			
Granite Panels	10%			LIFE	* *			
Plaster	75%	Now	$2,300	LIFE	* *	5	$1,500	
Broken/Missing Elements, Extent : Severe, Area Affected : 2%								
Location : Basement Gymnasium Room								
Paint Peeling, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 2%								
Location : Basement Gymnasium Room								
Wood	2%			LIFE	* *	5	$500	
Ceilings								
Embossed Metal	34%			LIFE	* *	5	$2,400	
Paint Peeling, Extent : Moderate, Area Affected : 5%								
Location : 1st Floor								
Plaster	66%	Now	$15,600	LIFE	* *	5	$6,400	
Paint Peeling, Extent : Moderate, Area Affected : 15%								
Location : Rooms 20, 21, And Stairway Ceiling								
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : 2nd Floor Rooms 20 And 21								
Site Enclosure								
Fence/Gates								
Wood	100%	Now	$107,900	2035	* *			
Dry Rot/Decay, Extent : Severe, Area Affected : 100%								
Location : Entrance								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Entrance								
Explanation : Railing Of Entry Porch								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	60%			2035	* *			
Wood	40%	Now	$153,700	2030	$153,700	1-3	$17,800	
Rotting/Splitting, Extent : Severe, Area Affected : 100%								
Location : Front Entry Porch Floor								

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.
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*** 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

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%			2050	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 100 Ampere Main Disconnect Switches For Section A and B								
Raceway								
Conduit	70%			2030	$3,000	1		
Conduit	30%			2050	* *	1		
Panelboards								
Fused Disc Sw	5%			2029	$400	5		
Molded Case Bkrs	95%			2046	* *	5	$300	
Wiring								
Braided Cloth	40%	2-4	$3,800	2055	* *	1		
On Extended Life, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Thermoplastic	30%			2030	$2,800	1		
Thermoplastic	30%			2050	* *	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2043	* *	1	$3,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : Using Portable Generator								
Lighting								
Interior Lighting								
Fluorescent	30%			2035	* *	10	$3,000	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Fluorescent	50%			2025	$13,900	10	$5,000	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Incandescent	20%			2025	$13,200	2	$100	
Exterior Lighting								
HID	30%			2035	* *	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								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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

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								
Fuel Oil No 2	100%			2050	* *	5	$3,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 275 Gallon Tanks Each Side								
Conversion Equipment								
Steam Boiler	100%			2043	* *	1	$10,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Boiler Each Side								
Distribution								
Steam Piping/Pump	100%	0-2	$1,100	2040	* *			
Leak Evident, Extent : Moderate, Area Affected : 2%								
Location : A Side Basement File Room								
Terminal Devices								
Convector/Radiator	100%			2035	* *	1	$3,500	
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Window/Wall Unit	50%			2025	$12,400	1		
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	* *	1		
Water Heater								
Electric	50%			2025	$5,200	4		
Other Observation, Extent : Light, Area Affected : 100%								
Location : A Side Basement								
Explanation : 1 Unit								
No Component	50%							
HW Heat Exchanger								
Steam Fired	100%			2050	* *	4	$1,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Domestic Coil With 40 Gallon Storage Each Side								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Mechanical		$225,400
Total		**$225,400**
Importance Code B		$225,400
Total		**$225,400**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$29,600			
Interior Architecture	$13,600	$5,700	$1,000	$100
Electrical	$100	$100	$100	$8,600
Mechanical	$22,200	$7,000	$2,200	$28,000
Site Pavements	$8,400	$100	$100	$1,000
Total	**$73,900**	**$13,000**	**$3,400**	**$37,700**
Importance Code A	$51,300	$1,200	$1,200	$1,200
Importance Code B	$12,800	$11,600	$2,000	$35,500
Importance Code C	$9,800	$100	$300	$1,000
Total	**$73,900**	**$13,000**	**$3,400**	**$37,700**



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.# 401 A AND B FIRE/LIFE SAFETY EDUCATION BLDG.

Asset # : 13769

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%			LIFE	* *	5	$16,900	
Granite Panels	25%			LIFE	* *	5	$4,500	
Wood	5%	0-2	$14,700	2043	* *	5	$3,000	
Deteriorated Finish, Extent : Severe, Area Affected : 30%								
Location : Porch Columns And Rails								
Paint Peeling, Extent : Moderate, Area Affected : 30%								
Location : Porch Entablature, Porch Balustrade								
Windows								
Wood	100%			2046	* *	5	$30,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : All Facades								
Explanation : Vinyl-clad Wood Windows								
Roof								
Asphalt Shingle	100%	Now	$5,000	2039	* *			
Miss/Damaged Flashings, Extent : Severe, Area Affected : 15%								
Location : Roof								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : 3rd Floor Front Office And Storage								
Soffits								
Wood	100%	4+	$9,800	2043	* *	5	$4,000	
Deteriorated Finish, Extent : Moderate, Area Affected : 20%								
Location : Porch Ceiling								
Interior								
Floors								
Cast in Place Concrete	10%			LIFE	* *	5	$3,800	
Ceramic Tile	10%			2039	* *	5	$1,700	
Vinyl Tile	5%	Now	$200	2035	* *	3	$300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : Throughout								
Wood	40%	Now	$5,300	2058	* *	5	$6,500	
Deteriorated Finish, Extent : Light, Area Affected : 40%								
Location : Throughout								
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	$1,400	LIFE	* *	5	$2,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : Throughout								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
Plaster	52%	Now	$6,800	LIFE	* *	5	$5,500	
Paint Peeling, Extent : Moderate, Area Affected : 5%								
Location : 3rd Floor Ceiling Over Training Area								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : 3rd Floor Ceiling Over Training Area								
Plaster	48%			LIFE	* *	5	$5,100	
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	40%	Now	$1,500	2043	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Entry Walkway And Perimeter Walks								
Wood	60%			2028	$33,400	1-3	$4,900	
Parking/Driveway								
Asphalt	100%	0-2	$5,900	2039	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Parking Area								

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%			2050	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two Main Service Disconnect Switches Rated At 100 Amperes Each								
Raceway								
Conduit	75%			2030	$3,300	1		
Conduit	25%			2050	* *	1		
Panelboards								
Molded Case Bkrs	100%			2046	* *	5	$300	
Wiring								
Thermoplastic	75%			2030	$7,100	1		
Thermoplastic	25%			2050	* *	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.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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

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	95%			2030	$29,100	10	$10,500	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Fluorescent	3%			2030	$900	10	$300	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Hallways								
LED	2%			2038	* *			
Exterior Lighting								
HID	20%			2030	$10,600	10		
No Component	80%							
Alarm								
Security System								
No Component	80%							
Generic	20%			2025	$8,500	1	$900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor								
Explanation : Intrusion Alarm Only. Motion Sensors								

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								
Fuel Oil No 2	100%			2050	* *	5	$3,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : A And B Side, Basement								
Explanation : 2 Tanks Each Side								
Conversion Equipment								
Steam Boiler	50%	2-4	$21,200	2043	* *	1	$5,400	
Malfunctioning, Extent : Moderate, Area Affected : 10%								
Location : Boiler Control, B Side Basement								
On Extended Life, Extent : Moderate, Area Affected : 100%								
Location : Both Units, A And B Side Basement								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Both A And B Side Basement								
Explanation : 1 Old Unit Each Side								
Steam Boiler	50%			2043	* *	1	$6,000	
Distribution								
Steam Piping/Pump	100%			2030	$57,800			
Terminal Devices								
Convector/Radiator	100%			2028	$70,000	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	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								
Conversion Equipment								
Window/Wall Unit	90%			2025	$24,500	1		
No Component	10%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2030	$97,500	1		
Water Heater								
Oil Fired	50%			2029	$5,400	1	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : B Side Basement								
Explanation : 1 Unit								
Oil Fired	50%			2023	$5,400	1	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : A Side Basement								
Explanation : 1 Unit								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2024	$400	4	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : A And B Side Basement								
Explanation : 1 Unit On Each Side								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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

Total

Importance Code

Total

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$9,600		$1,100	
Interior Architecture	$7,500	$10,700	$700	
Electrical				
Mechanical	$3,500	$1,600	$1,600	$40,400
Site Pavements	$34,300	$100	$100	$1,000
Total	**$54,900**	**$12,500**	**$3,500**	**$41,400**
Importance Code A	$10,800	$1,200	$2,200	$1,200
Importance Code B	$7,500	$10,700	$1,100	$39,200
Importance Code C	$36,600	$500	$100	$1,000
Total	**$54,900**	**$12,500**	**$3,500**	**$41,400**



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.# 402 A AND B FIRE MARSHALS

Asset # : 13770

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	80%			LIFE	* *	5	$19,300	
Granite Panels	15%			LIFE	* *	5	$2,700	
Wood	5%	0-2	$7,300	2043	* *	5	$3,000	
Deteriorated Finish, Extent : Moderate, Area Affected : 15%								
Location : Porch Entablature, Railings And Columns, Facade Fascia Boards								
Paint Peeling, Extent : Moderate, Area Affected : 10%								
Location : Porch Entablature, Railings And Columns								
Windows								
Wood	100%			2046	* *	5	$30,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : All Facades								
Explanation : Vinyl-clad Wood Windows								
Roof								
Asphalt Shingle	90%	4+	$2,300	2039	* *			
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Chimney Flashing								
Roll Roofing	10%			2029	$6,100	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	$2,300	LIFE	* *	5	$700	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Kitchen, Basement								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : 3rd Floor And Down The Chimney Chase Walls								
Wood	2%			LIFE	* *	5	$1,300	
Ceilings								
AcousTileSusp.Lay-In	6%			2043	* *	5	$1,000	
Embossed Metal	25%			LIFE	* *	5	$1,900	
Paint Peeling, Extent : Moderate, Area Affected : 10%								
Location : Throughout 1st Floor								
Gypsum Board	29%			LIFE	* *	5	$6,200	
Plaster	40%	Now	$5,200	LIFE	* *	5	$4,300	
Water Penetration, Extent : Severe, Area Affected : 2%								
Location : Water Damage In 1st Floor Office And Third Floor By Chimney Chase Walls								
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		
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	40%	Now	$3,100	2043	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 40%								
Location : Walkways And Stair Step								
Wood	60%	0-2	$3,300	2028	$33,400	1-3	$3,900	
Other Observation, Extent : Moderate, Area Affected : 20%								
Location : Porch Floor								
Explanation : Deteriorated Finish								
Parking/Driveway								
Cast in Place Concrete	100%	0-2	$27,900	2043	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Throughout								

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%			2050	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two Main Service Disconnect Switches Rated At 100 Amperes Each.								
Raceway								
Conduit	65%			2040	* *	1		
Conduit	35%			2050	* *	1		
Panelboards								
Molded Case Bkrs	100%			2046	* *	5	$300	
Wiring								
Thermoplastic	65%			2040	* *	1		
Thermoplastic	35%			2050	* *	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Lighting								
Interior Lighting								
Fluorescent	100%			2030	$30,600	10	$11,000	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Egress Lighting								
Emergency, Battery	50%			2030	$9,400	10	$1,500	
Exit, Service	50%			2030	$1,900	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		
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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : A And B Side Basement								
Explanation : 2 Tanks Each Side								
Conversion Equipment								
Steam Boiler	100%			2047	* *	1	$11,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : A And B Side Basement								
Explanation : 1 Boiler On Each Side								
Distribution								
Steam Piping/Pump	100%			2040	* *			
Terminal Devices								
Convector/Radiator	100%			2035	* *	1	$3,900	
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Window/Wall Unit	100%			2025	$27,300	1		
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	* *	1		
Water Heater								
Electric	100%			2025	$11,500	4	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : A And B Side Basement								
Explanation : 1 Unit For Each Side								
Sanitary Piping								
Cast Iron	100%	0-2	$1,900	LIFE	* *	1		
Leak Evident, Extent : Moderate, Area Affected : 100%								
Location : B Side 2nd Floor Bathrooms								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$48,900	$80,000
Interior Architecture	$65,600	
Total	**$114,500**	**$80,000**
Importance Code A	$48,900	$80,000
Importance Code B	$65,600	
Total	**$114,500**	**$80,000**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$4,900			
Interior Architecture	$49,100	$700	$100	
Electrical	$400	$400	$500	$15,900
Mechanical	$3,100	$1,800	$1,800	$32,900
Site Enclosure	$200			
Total	**$57,700**	**$2,900**	**$2,400**	**$48,800**
Importance Code A	$6,900	$1,400	$1,400	$1,400
Importance Code B	$42,800	$1,600	$1,100	$47,400
Importance Code C	$8,100			
Total	**$57,700**	**$2,900**	**$2,400**	**$48,800**



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.# 409 A AND B EMS ADMIN, RESEARCH AND DEVELOP.

Asset # : 13774

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	75%			LIFE	* *	5	$20,200	
Masonry: Granite	10%			LIFE	* *	5	$2,000	
Wood	15%	Now	$4,900	2035	* *	5	$10,100	
Broken/Missing Elements, Extent : Moderate, Area Affected : 1%								
Location : Wood Screen At Rear Porch 409b								
Dry Rot/Decay, Extent : Severe, Area Affected : 10%								
Location : Porch Cornice Entablature And Columns								
Paint Peeling, Extent : Moderate, Area Affected : 15%								
Location : Porches And Eave Located At Rear Facade								
Windows								
Wood	100%			2046	* *	5	$80,000	
Broken/Missing Elements, Extent : Moderate, Area Affected : 1%								
Location : B Section Kitchen 1st Floor								
Other Observation, Extent : Light, Area Affected : 100%								
Location : All Facades								
Explanation : Vinyl-clad Wood Windows								
Roof								
Roll Roofing	10%			2026	$6,600	5	$2,300	
Slate	90%	Now	$48,900	LIFE	* *			1
Water Penetration, Extent : Severe, Area Affected : 30%								
Location : Main Roof At 3rd Floor								
Interior								
Floors								
Carpet	2%			2026	$6,100	3	$600	
Cast in Place Concrete	5%			LIFE	* *	5	$2,200	
Mosaic Tile	2%			2043	* *	5	$1,000	
Vinyl Tile	2%			2030	$4,100	3	$200	
Wood	89%	Now	$35,000	2045	* *	5	$17,100	
Deteriorated Finish, Extent : Moderate, Area Affected : 10%								
Location : First Floor								
Interior Walls								
Ceramic Tile	2%	Now	$600	2039	* *	5	$500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Second Floor Bathroom								
Concrete Masonry Unit	2%			LIFE	* *	5	$400	
Masonry: Brick	10%			LIFE	* *			
Plaster	86%	Now	$7,300	LIFE	* *	5	$11,800	
Horizontal Cracks, Extent : Severe, Area Affected : 2%								
Location : Throughout								
Water Penetration, Extent : Severe, Area Affected : 1%								
Location : 2nd Floor Office								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
Embossed Metal	30%	4+	$6,300	LIFE	* *	5	$2,800	
Paint Peeling, Extent : Moderate, Area Affected : 5%								
Location : 1st Floor Offices								
Plaster	70%	Now	$65,600	LIFE	* *	5	$9,000	
Spalling, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : 2nd And 3rd Floor, Various Spaces								
Site Enclosure								
Fence/Gates								
Wood	100%	Now	$200	2028	$1,800			
Broken/Missing Elements, Extent : Severe, Area Affected : 2%								
Location : Porch Balustrade Of B Section								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2035	* *			

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%			2050	* *	5	$100	
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		
Conduit	80%			2030	$3,500	1		
Panelboards								
Fused Disc Sw	5%			2029	$400	5		
Molded Case Bkrs	65%			2029	$5,600	5	$200	
Molded Case Bkrs	30%			2046	* *	5	$100	
Wiring								
Thermoplastic	20%			2050	* *	1		
Thermoplastic	80%			2030	$7,600	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2043	* *	1	$4,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : Using Portable Generator Only								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Interior Lighting								
Fluorescent	96%			2035	* *	10	$12,100	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Incandescent	4%			2025	$3,300	2		
Exterior Lighting								
Incandescent	30%			2035	* *	2		
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								
Energy Source								
Fuel Oil No 2	100%			2056	* *	5	$4,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 275 Gallon Tanks For Both A And B Side								
Conversion Equipment								
Steam Boiler	100%	0-2	$1,900	2043	* *	1	$12,200	
Malfunctioning, Extent : Moderate, Area Affected : 5%								
Location : A Side Boiler Water Auto Feeding								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units. A And B Sides Have Separate Boiler.								
Distribution								
Steam Piping/Pump	100%			2040	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : A And B Sides Have Independent Systems								
Terminal Devices								
Convector/Radiator	100%			2035	* *	1	$4,400	
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Window/Wall Unit	100%			2025	$31,100	1		
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : A And B Sides Have Separate Systems Including Service								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Water Heater								
Electric	50%			2028	$6,600	4		
Other Observation, Extent : Light, Area Affected : 100%								
Location : A Side Basement								
Explanation : 1 Unit								
No Component	50%							
HW Heat Exchanger								
Steam Fired	100%			2050	* *	4	$2,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : B Side Basement								
Explanation : Domestic Coil In Steam Boiler For B Side								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

Asset Name : **FORT TOTTEN - BLDG.# 411 A AND B TERRORISM CENTER**
Address : **411 SHORE ROAD**
Borough : **QUEENS**
Program / Asset # : **FIR0020.411 / 13775**
Area Sq Ft : **13,728**
Date of Survey : **20-Sep-2018**
Areas Surveyed : **Basement, Roof, Floors 1,2,3**
Block : **5917** **Lot** : **1**

Agency's Number : **N/A**
Yr Built/Renovated : **1906 /**
Project Type : **FIRE DEPARTMENT**
Landmark Status : **HISTORICAL LANDMARK DISTRICT**
BIN :

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$80,000
Interior Architecture	$90,700	
Mechanical		$39,900
Site Pavements		$130,200
Total	**$90,700**	**$250,100**
Importance Code A		$80,000
Importance Code B	$50,000	$39,900
Importance Code C	$40,700	$130,200
Total	**$90,700**	**$250,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$13,400			
Interior Architecture	$14,300	$500		$100
Electrical	$1,000	$1,200	$3,000	$30,800
Mechanical	$3,500	$1,800	$2,500	$32,900
Site Pavements	$17,400	$500	$500	$3,900
Total	**$49,600**	**$4,000**	**$6,000**	**$67,800**
Importance Code A	$16,500	$1,400	$1,400	$1,400
Importance Code B	$15,100	$2,100	$4,100	$62,500
Importance Code C	$18,000	$500	$500	$3,900
Total	**$49,600**	**$4,000**	**$6,000**	**$67,800**



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.# 411 A AND B TERRORISM CENTER

Asset # : 13775

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	80%			LIFE	* *	5	$21,600	
Masonry: Granite	10%			LIFE	* *	5	$2,000	
Wood	10%	2-4	$8,200	2043	* *	5	$6,700	
Paint Peeling, Extent : Moderate, Area Affected : 10%								
Location : Wood Columns								
Split/Cracked, Extent : Moderate, Area Affected : 10%								
Location : Wood Columns At Front Entrance								
Windows								
Wood	100%			2046	* *	5	$80,000	
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : 3rd Floor Front Office A Unit								
Other Observation, Extent : Light, Area Affected : 100%								
Location : All Facades								
Explanation : Vinyl-clad Wood Windows								
Roof								
Roll Roofing	5%			2026	$3,300	5	$1,200	
Slate	95%	Now	$5,200	LIFE	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 2%								
Location : Main Roof At 3rd Floor								
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+	$200	2035	* *	3	$400	
Broken/Missing Elements, Extent : Light, Area Affected : 1%								
Location : 1st Floor Corridor								
Wood	86%	2-4	$13,500	2045	* *	5	$16,600	
Dry Rot/Decay, Extent : Light, Area Affected : 2%								
Location : Basement Stair Has Termite Damage								
Worn/Eroded, Extent : Moderate, Area Affected : 15%								
Location : 3rd Floor								
Interior Walls								
Ceramic Tile	2%	Now	$600	2039	* *	5	$500	
Broken/Missing Elements, Extent : Light, Area Affected : 2%								
Location : Second Floor Bathroom								
Masonry: Brick	2%			LIFE	* *			
Plaster	96%	Now	$40,700	LIFE	* *	5	$13,100	
Deteriorated Finish, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Water Penetration, Extent : Light, Area Affected : 15%								
Location : Basement Washroom, 3rd Floor Bathroom								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Ceilings								
Embossed Metal	20%			LIFE	* *	5	$1,800	
Paint Peeling, Extent : Light, Area Affected : 10%								
Location : 1st Floor, Throughout								
Plaster	80%	Now	$50,000	LIFE	* *	5	$10,300	
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	$13,500	2043	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 50%								
Location : Front Entrance Walkway								
Wood	50%			2028	$130,200	1-3	$19,000	

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%			2050	* *	5	$100	
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		
Conduit	80%			2030	$3,500	1		
Panelboards								
Fused Disc Sw	5%			2029	$400	5		
Molded Case Bkrs	95%			2046	* *	5	$300	
Wiring								
Thermoplastic	30%			2050	* *	1		
Thermoplastic	70%			2030	$6,600	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2043	* *	1	$4,200	
Generators								
Diesel	100%			2039	* *	1	$5,300	
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		
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%			2024	$1,700	5	$500	
Fuel Storage								
Main Tank	100%			2058	* *	5	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room Outside								
Explanation : One 250 Gallon Belly Tank								
Lighting								
Interior Lighting								
Fluorescent	90%			2035	* *	10	$11,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Incandescent	10%			2025	$8,300	2		
Egress Lighting								
Emergency, Service	60%			2035	* *	1		
No Component	40%							
Exterior Lighting								
HID	10%			2035	* *	10		
Incandescent	20%			2025	$10,200	2		
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								
Energy Source								
Fuel Oil No 2	100%			2056	* *	5	$4,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 275 Gallon Tanks For Both Sides A And B								
Conversion Equipment								
Steam Boiler	50%			2043	* *	1	$6,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : A Side Basement								
Explanation : 1 Unit Serves A Side								
Steam Boiler	50%	0-2	$2,400	2035	* *	1	$6,100	
Malfunctioning, Extent : Moderate, Area Affected : 5%								
Location : Auto Water Feeding								
Other Observation, Extent : Light, Area Affected : 100%								
Location : B Side Basement								
Explanation : 1 Unit Serves B Side								
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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Terminal Devices								
Convector/Radiator	50%			2035	* *	1	$2,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : A Side								
Explanation : Units In A Side								
Convector/Radiator	50%			2028	$39,900	1	$2,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : B Side								
Explanation : Units In B Side								
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Window/Wall Unit	100%			2025	$31,100	1		
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : A And B Sides Have Separate Systems Including Service								
HW Heat Exchanger								
Steam Fired	100%			2040	* *	4	$1,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Domestic Coil In Steam Boiler / No Storage / Both A And B Sides								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
Leaking Connections, Extent : Moderate, Area Affected : 2%								
Location : The Sink In Restroom Of A Side 3rd Floor								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

Asset Name : **FORT TOTTEN - BLDG.# 413 A AND B COUNSELING UNIT**
Address : **413 SHORE ROAD**
Borough : **QUEENS**
Program / Asset # : **FIR0020.413 / 13776**
Area Sq Ft : **13,728**
Date of Survey : **21-Sep-2018**
Areas Surveyed : **Basement, Roof, Floors 1,2,3**
Block : **5917** **Lot** : **1**

Agency's Number : **N/A**
Yr Built/Renovated : **1906 /**
Project Type : **FIRE DEPARTMENT**
Landmark Status : **HISTORICAL LANDMARK DISTRICT**
BIN :

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$105,600	$40,000
Mechanical		$145,800
Site Pavements		$156,200
Total	**$105,600**	**$342,000**
Importance Code A	$105,600	$40,000
Importance Code B		$145,800
Importance Code C		$156,200
Total	**$105,600**	**$342,000**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture				
Interior Architecture	$91,500	$15,400		$100
Electrical	$3,300	$400	$400	$23,600
Mechanical	$1,800	$1,800	$2,100	$41,600
Site Pavements	$700	$4,700	$700	$700
Total	**$97,300**	**$22,400**	**$3,200**	**$66,000**
Importance Code A	$1,400	$1,400	$1,400	$1,400
Importance Code B	$42,000	$16,300	$1,200	$63,900
Importance Code C	$53,900	$4,700	$700	$700
Total	**$97,300**	**$22,400**	**$3,200**	**$66,000**



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		
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	$18,900	
Masonry: Granite	20%			LIFE	* *	5	$4,000	
Wood	10%	Now	$65,700	2043	* *	5	$6,700	
Recent Repair Evident, Extent : N/A, Area Affected : 100%								
Location : Porch Entablature, Columns, Railings Fascia Board								
Windows								
Wood	100%			2052	* *	5	$80,000	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : All Facades								
Other Observation, Extent : Light, Area Affected : 100%								
Location : All Facades								
Explanation : Vinyl-clad Wood Windows								
Roof								
Modified Bitumen	30%			2038	* *	10	$4,100	
Slate	70%			LIFE	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Main Roof								
Explanation : Synthetic Slate Roof								
Soffits								
Wood	100%			2043	* *	5		
Interior								
Floors								
Cast in Place Concrete	10%	0-2	$500	LIFE	* *	5	$4,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : Basement								
Ceramic Tile	5%	Now	$4,600	2039	* *	5	$500	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Bathrooms								
Vinyl Tile	5%	Now	$5,100	2035	* *	3	$400	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Kitchen Area And Throughout								
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		
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%	2-4	$2,900	2039	* *	5	$500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Bathrooms								
Masonry: Brick	5%	4+	$20,600	LIFE	* *			
Paint Peeling, Extent : Moderate, Area Affected : 80%								
Location : Basement								
Granite Panels	21%			LIFE	* *			
Plaster	70%	Now	$29,700	LIFE	* *	5	$9,600	
Cracking/Crumbling, Extent : Severe, Area Affected : 25%								
Location : Basement								
Paint Peeling, Extent : Severe, Area Affected : 25%								
Location : Basement								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Various Locations								
Wood	2%			LIFE	* *	5	$3,600	
Ceilings								
Embossed Metal	10%			LIFE	* *	5	$900	
Paint Peeling, Extent : Moderate, Area Affected : 5%								
Location : 1st Floor								
Plaster	90%	Now	$28,100	LIFE	* *	5	$11,500	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Throughout								
Paint Peeling, Extent : Severe, Area Affected : 10%								
Location : Basement, Bathrooms								
Worn/Eroded, Extent : Severe, Area Affected : 10%								
Location : Basement								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	40%			2035	* *			
Wood	60%			2029	$156,200	1-3	$18,700	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Entry Porch Floor								

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%			2050	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 100 Amperes For A And B Section And One 200 Amperes For The Portable Generator Disconnect Switch								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Raceway								
Conduit	70%			2030	$3,000	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	$2,800	2055	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Thermoplastic	70%			2050	* *	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2047	* *	1	$4,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : No Permanent Generator Only Portable								
Lighting								
Interior Lighting								
Fluorescent	70%			2035	* *	10	$8,800	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : 1st, 2nd Floor And Basement								
Incandescent	10%			2025	$8,300	2		
LED	20%			2035	* *			
Exterior Lighting								
HID	10%			2025	$6,000	10		
LED	20%			2038	* *			
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								
Energy Source								
Fuel Oil No 2	50%			2040	* *	5	$2,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : B Side Basement								
Explanation : 2 Tanks								
Fuel Oil No 2	50%			2050	* *	5	$2,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : A Side Basement								
Explanation : 2 Tanks								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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	
Other Observation, Extent : Light, Area Affected : 100% Location : A side Basement Explanation : 1 Unit								
Steam Boiler	50%			2035	* *	1	$6,800	
Other Observation, Extent : Light, Area Affected : 100% Location : B Side Basement Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	100%			2030	$66,000			
Terminal Devices								
Convector/Radiator	100%			2028	$79,900	1	$4,400	
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Window/Wall Unit	100%			2025	$31,100	1		
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	* *	1		
Water Heater								
Electric	50%			2025	$6,600	4		
Other Observation, Extent : Light, Area Affected : 100% Location : A Side Basement Explanation : 1 Unit								
No Component	50%							
HW Heat Exchanger								
Steam Fired	50%			2040	* *	4	$700	
Other Observation, Extent : Light, Area Affected : 100% Location : On B Side Basement. Explanation : Domestic Coils In Boilers								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

Asset Name : **FORT TOTTEN - BLDG.# 418 A AND B SCUBA SUPPORT/FT TOTTEN OPER.**
Address : **418 WEAVER ROAD**
Borough : **QUEENS**
Program / Asset # : **FIR0020.418 / 13778**
Area Sq Ft : **10,935**
Date of Survey : **21-Sep-2018**
Areas Surveyed : **Basement, Roof, Floors 1,2,3**
Block : **5917** **Lot** : **1**

Agency's Number : **N/A**
Yr Built/Renovated : **1906 /**
Project Type : **FIRE DEPARTMENT**
Landmark Status : **HISTORICAL LANDMARK DISTRICT**
BIN :

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$1,041,900	
Site Pavements	$153,700	$153,700
Total	**$1,195,700**	**$153,700**
Importance Code A	$1,041,900	
Importance Code C	$153,700	$153,700
Total	**$1,195,700**	**$153,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture				
Interior Architecture	$52,300	$4,500		$200
Electrical	$300	$300	$300	$34,000
Mechanical	$2,400	$1,200	$1,200	$25,900
Site Pavements	$31,800	$600	$600	$4,600
Total	**$86,800**	**$6,700**	**$2,100**	**$64,800**
Importance Code A	$800	$800	$800	$800
Importance Code B	$51,300	$5,200	$700	$59,300
Importance Code C	$34,700	$600	$600	$4,600
Total	**$86,800**	**$6,700**	**$2,100**	**$64,800**



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.# 418 A AND B SCUBA SUPPORT/FT TOTTEN OPER.

Asset # : 13778

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	75%			LIFE	* *	5	$14,200	
Granite Panels	10%			LIFE	* *	5	$1,400	
Wood	15%	Now	$68,900	2035	* *	5	$7,100	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Porch								
Paint Peeling, Extent : Moderate, Area Affected : 100%								
Location : Wood Columns, Wood Fascia, Wood Siding, Porch Entablature And Balustrade								
Split/Cracked, Extent : Severe, Area Affected : 100%								
Location : Wood Columns, Porch Balustrade								
Windows								
Aluminum	10%			2046	* *	5	$200	
Wood	90%	Now	$65,800	2055	* *	5	$10,100	
Air Infiltration, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Glazing Broken/Cracked, Extent : Moderate, Area Affected : 50%								
Location : 2nd Floor Bathroom								
Thermally Inefficient, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Caulking Deteriorated, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : 2nd Floor Scuba Office								
Roof								
Modified Bitumen	35%	Now	$72,200	2040	* *			
Alligatoring, Extent : Moderate, Area Affected : 100%								
Location : Porch Roofs, Throughout								
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 30%								
Location : Porch Roofs, Throughout								
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : Porch Roofs, Throughout								
Slate	65%	Now	$50,200	LIFE	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Throughout								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : 3rd Floor And 2nd Floor Ceiling A Section Office Space								
Soffits								
Wood	100%	Now	$784,900	2050	* *	5	$32,200	
Dry Rot/Decay, Extent : Severe, Area Affected : 80%								
Location : Exterior Porch Ceiling								
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		
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	$900	LIFE	* *	5	$3,400	
Horizontal Cracks, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Ceramic Tile	5%	Now	$1,700	2039	* *	5	$400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Bathrooms.								
Vinyl Tile	10%	4+	$1,500	2030	$15,300	3	$600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : 1st Floor Kitchen On B Side, 3rd Floor Attic								
Wood	45%	Now	$26,800	2058	* *	5	$6,600	
Deteriorated Finish, Extent : Severe, Area Affected : 100%								
Location : 1st Floor, B Side, Throughout.								
Wood	30%			2058	* *	5	$8,700	
Interior Walls								
Ceramic Tile	5%	Now	$500	2039	* *	5	$200	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Bathrooms.								
Masonry: Brick	10%			LIFE	* *			
Granite Panels	5%			LIFE	* *			
Plaster	75%	Now	$2,300	LIFE	* *	5	$1,500	
Horizontal Cracks, Extent : Light, Area Affected : 5%								
Location : Throughout.								
Paint Peeling, Extent : Light, Area Affected : 5%								
Location : Throughout.								
Wood	5%			LIFE	* *	5	$1,300	
Ceilings								
AcousTileSusp.Lay-In	2%			2043	* *	5	$300	
Embossed Metal	20%			LIFE	* *	5	$1,400	
Paint Peeling, Extent : Light, Area Affected : 5%								
Location : 1st Floor, Throughout								
Plaster	78%	Now	$18,500	LIFE	* *	5	$7,600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : Basement A Section								
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : 1st Floor Corridor, 2nd Floor Section A Office Space								
Water Penetration, Extent : Light, Area Affected : 3%								
Location : 1st Floor Bathroom								
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		
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	60%	0-2	$31,800	2043	* *			
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	$153,700	2030	$153,700	1-3	$17,800	
Rotting/Splitting, Extent : Severe, Area Affected : 100%								
Location : Porch Floor								
Parking/Driveway								
Asphalt	100%			2033	* *			

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	70%			2050	* *	5		
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		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Ampere Main Disconnect Switch For Generator								
Raceway								
Conduit	50%			2030	$2,200	1		
Conduit	40%			2050	* *	1		
Conduit	10%			2060	* *	1		
Panelboards								
Fused Disc Sw	5%			2046	* *	5		
Molded Case Bkrs	95%			2046	* *	5	$300	
Wiring								
Thermoplastic	60%			2050	* *	1		
Thermoplastic	30%			2030	$2,800	1		
Thermoplastic	10%			2060	* *	1		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Stand-by Power								
Transfer Switches								
Automatic	100%			2050	* *	1	$3,400	
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.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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

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	75%			2035	* *	10	$7,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Incandescent	25%			2025	$16,600	2	$100	
Exterior Lighting								
HID	20%			2025	$9,600	10		
LED	10%			2040	* *			
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								
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	$400	
Steam Piping/Pump	50%	0-2	$500	2040	* *			
Other Observation, Extent : Moderate, Area Affected : 30%								
Location : B Side 2nd Floor								
Explanation : B Side 2nd Floor Is Too Cold								
Terminal Devices								
Convector/Radiator	100%			2035	* *	1	$3,500	
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Window/Wall Unit	100%			2025	$24,800	1		
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.# 418 A AND B SCUBA SUPPORT/FT TOTTEN OPER.

Asset # : 13778

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								
HW Heat Exchanger								
Steam Fired	100%			2050	* *	4	$1,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Domestic Hot Water Coil In Boiler								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$142,000	
Interior Architecture	$297,400	
Site Pavements	$327,100	$230,600
Total	**$766,500**	**$230,600**
Importance Code A	$142,000	
Importance Code B	$297,400	
Importance Code C	$327,100	$230,600
Total	**$766,500**	**$230,600**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture				
Interior Architecture	$26,100	$400	$200	$3,800
Electrical	$100			$14,400
Mechanical	$1,400	$1,400	$1,400	$36,700
Site Pavements	$7,900	$1,000	$1,000	$7,000
Total	**$35,600**	**$2,800**	**$2,600**	**$61,800**
Importance Code A	$1,100	$1,100	$1,100	$1,100
Importance Code B	$26,300	$800	$400	$53,800
Importance Code C	$8,200	$1,000	$1,100	$7,000
Total	**$35,600**	**$2,800**	**$2,600**	**$61,800**



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.# 420 A AND B FIRE BOROUGH CMD/EMS BOROUGH CMD

Asset # : 13779

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	75%			LIFE	* *	5	$14,200	
Granite Panels	15%			LIFE	* *	5	$2,100	
Wood	10%	Now	$68,900	2043	* *	5	$4,700	
Paint Peeling, Extent : Severe, Area Affected : 100%								
Location : Siding And Soffits								
Worn/Eroded, Extent : Severe, Area Affected : 20%								
Location : Siding And Fascia								
Windows								
Wood	100%	Now	$73,100	2055	* *	5	$11,200	
Air Infiltration, Extent : Severe, Area Affected : 10%								
Location : Throughout.								
Thermally Inefficient, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : Basement Windows A Section								
Worn/Eroded, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Roof								
Asphalt Shingle	70%			2039	* *	10	$1,500	
Roll Roofing	30%			2026	$18,800	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	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Basement Storage								
Vinyl Tile	2%			2038	* *	3	$100	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Laundry Room								
Wood	50%	Now	$297,400	2070	* *	5	$7,300	
Deteriorated Finish, Extent : Moderate, Area Affected : 50%								
Location : B Side, 3rd Floor Attic								
Dry Rot/Decay, Extent : Severe, Area Affected : 80%								
Location : 3rd Floor Attic								
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		
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	$300	
Masonry: Brick	25%			LIFE	* *			
Granite Panels	5%			LIFE	* *			
Plaster	55%			LIFE	* *	5	$1,100	
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : Stairs, Offices, Halls								
Paint Peeling, Extent : Moderate, Area Affected : 10%								
Location : Stairwell								
Wood	10%	Now	$300	LIFE	* *	5	$2,700	
Worn/Eroded, Extent : Light, Area Affected : 5%								
Location : Attic Bedroom								
Ceilings								
Embossed Metal	10%	4+	$3,200	LIFE	* *	5	$700	
Paint Peeling, Extent : Moderate, Area Affected : 5%								
Location : Throughout Embossed Ceiling								
Plaster	80%	4+	$18,900	LIFE	* *	5	$7,800	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Copy Room On 2nd Floor								
Paint Peeling, Extent : Light, Area Affected : 10%								
Location : Various Locations								
Wood	10%			LIFE	* *	5	$13,600	
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	40%	Now	$53,000	2050	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 80%								
Location : Throughout								
Wood	60%	Now	$230,600	2030	$230,600	1-3	$26,700	
Rotting/Splitting, Extent : Severe, Area Affected : 100%								
Location : Porch Floor And Steps								
Parking/Driveway								
Asphalt	90%	Now	$43,400	2045	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 80%								
Location : Parking Area								
Cast in Place Concrete	10%	Now	$7,900	2050	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 80%								
Location : Parking Area								

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

FORT TOTTEN - BLDG.# 420 A AND B FIRE BOROUGH CMD/EMS BOROUGH CMD

Asset # : 13779

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%			2056	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 100 Ampere Main Disconnect Switches								
Raceway								
Conduit	50%			2030	$2,200	1		
Conduit	50%			2056	* *	1		
Panelboards								
Fused Disc Sw	5%			2052	* *	5		
Molded Case Bkrs	95%			2052	* *	5	$300	
Wiring								
Thermoplastic	30%			2030	$2,800	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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Egress Lighting								
Emergency, Battery	50%			2038	* *	10	$1,300	
Exit, Service	50%			2038	* *	1		
Exterior Lighting								
HID	30%			2025	$14,400	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								
Energy Source								
Fuel Oil No 2	100%			2056	* *	5	$3,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : A And B Sides Each Has 2 Tanks								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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%			2043	* *	1	$10,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Each A And B Side Has 1 Unit								
Distribution								
Steam Piping/Pump	100%			2040	* *			
Terminal Devices								
Convector/Radiator	100%			2035	* *	1	$3,500	
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Window/Wall Unit	100%			2025	$24,800	1		
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	* *	1		
Water Heater								
Electric	100%			2025	$10,500	4	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units. 1 In Each Side.								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

Asset Name : **LADDER CO. 114**
Address : **5209 5TH AVENUE**
Borough : **BROOKLYN**
Program / Asset # : **FIRSLAD.114 / 13223**
Area Sq Ft : **3,202**
Date of Survey : **06-Jun-2018**
Areas Surveyed : **Basement, Roof, Floors 1,2**
Block : **808** **Lot** : **6**

Agency's Number : **N/A**
Yr Built/Renovated : **1897 /**
Project Type : **FIRE DEPARTMENT**
Landmark Status : **NONE**
BIN : **3013940**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Interior Architecture	$70,800	
Electrical		$89,200
Total	**$70,800**	**$89,200**
Importance Code B	$70,800	$89,200
Total	**$70,800**	**$89,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$27,000		$6,600	
Interior Architecture	$58,700	$200		$200
Electrical	$10,200	$100	$6,300	
Mechanical	$1,100	$400	$400	$400
Total	**$97,100**	**$700**	**$13,300**	**$700**
Importance Code A	$27,400	$300	$6,900	$300
Importance Code B	$54,400	$200	$6,300	$400
Importance Code C	$15,300	$200		
Total	**$97,100**	**$700**	**$13,300**	**$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
LADDER CO. 114
Asset # : 13223

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	80%	Now	$21,100	LIFE	* *	5	$13,100	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : East Facade								
Paint Peeling, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 5%								
Location : East Facade								
Masonry: Limestone	10%			LIFE	* *	5	$1,200	
Metal Sect. OHD	10%			2042	* *	5	$5,100	
Windows								
Aluminum	100%	Now	$3,400	2045	* *	5	$400	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%								
Location : 1st Floor Bath And 2nd Floor East, Throughout								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5	$1,400	
Masonry: Brick	90%			LIFE	* *	5	$1,600	
Roof								
Modified Bitumen	100%			2034	* *	10	$6,600	
Interior								
Floors								
Cast in Place Concrete	65%	Now	$26,100	LIFE	* *	5	$8,600	
Cracking/Crumbling, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Other Observation, Extent : Severe, Area Affected : 50%								
Location : Apparatus Floor								
Explanation : Structurally Insufficient								
Ceramic Tile	5%	0-2	$100	2038	* *	5	$200	
Misaligned/Bulging, Extent : Moderate, Area Affected : 2%								
Location : 2nd Floor Bathroom								
Vinyl Tile	30%	0-2	$3,300	2034	* *	3	$700	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Interior Walls								
Ceramic Tile	5%			2038	* *	5	$400	
Gypsum Board	10%			LIFE	* *	5	$500	
Masonry: Brick	30%	Now	$10,400	LIFE	* *			
Water Penetration, Extent : Light, Area Affected : 20%								
Location : Throughout								
SGFT/Glazed Masonry	30%			LIFE	* *			
Wood	25%	Now	$4,900	LIFE	* *	5	$8,300	
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : 2nd Floor Throughout								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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. 114
Asset # : 13223

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	40%	Now	$10,400	2042	* *	5	$1,200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Kitchen And 2nd Floor								
Staining/Discoloring, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Throughout								
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Embossed Metal	30%	4+	$3,400	LIFE	* *	5	$800	
Deformed/Dented, Extent : Light, Area Affected : 10%								
Location : Throughout								
Masonry:Vault Struct	30%	Now	$70,800	LIFE	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Cellar								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Cellar								
Explanation : Structurally Insufficient And Beams Corroded								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2034	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2034	* *			

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%			2029	$5,200	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%			2029	$52,200	5	$100	
Raceway								
Conduit	100%			2029	$33,500	1		
Panelboards								
Fused Disc Sw	10%			2028	$4,100	5		
Molded Case Bkrs	90%			2028	$37,000	5	$100	
Wiring								
Thermoplastic	100%			2029	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	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
LADDER CO. 114
Asset # : 13223

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
Ground								
Grounding Devices								
Generic	100%	2-4	$10,200	LIFE	* *	5		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Water Main								
Explanation : Corroded								
Lighting								
Interior Lighting								
Fluorescent	100%			2034	* *	10	$2,900	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Exterior Lighting								
HID	25%			2024	$3,200	10		
No Component	75%							
Alarm								
Security System								
No Component	70%							
Generic	30%			2037	* *	1	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front And Rear Of The Building								
Explanation : CCTV Surveillance Cameras								

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%	0-2		2029	$400	1		
Corroded, Extent : Severe, Area Affected : 100%								
Location : Cellar								
Conversion Equipment								
Steam Boiler	100%			2049	* *	1	$3,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Brand New Unit								
Distribution								
Steam Piping/Pump	100%			2029	$14,200			
Terminal Devices								
Convector/Radiator	100%			2027	$17,100	1	$1,000	
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Window/Wall Unit	50%			2027	$3,300	1		
No Component	50%							
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
LADDER CO. 114
Asset # : 13223

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	50%			2039	* *	1		
Galvanized Steel	50%	0-2	$700	2027	$7,000	1		
Corroded, Extent : Moderate, Area Affected : 5%								
Location : Water Main Valve, Basement								
Water Heater								
Gas Fired	100%			2027	$2,000	2		
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.
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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Electrical		$163,400
Mechanical		$319,800
Total		**$483,200**
Importance Code B		$483,200
Total		**$483,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$69,400		$1,500	
Interior Architecture	$123,200		$10,100	$1,600
Electrical	$18,100	$2,000	$2,300	$3,600
Mechanical	$17,900	$4,400	$7,900	$4,200
Elevators/Escalators	$3,900	$3,900	$3,900	$3,900
Total	**$232,500**	**$10,300**	**$25,800**	**$13,400**
Importance Code A	$70,800	$1,400	$2,900	$1,400
Importance Code B	$109,500	$8,900	$22,900	$12,000
Importance Code C	$52,200			
Total	**$232,500**	**$10,300**	**$25,800**	**$13,400**



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

LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT

Asset # : 13218

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	3%	Now	$3,500	LIFE	* *	5	$1,500	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Above Overhead Doors								
Exposed Reinforcement, Extent : Moderate, Area Affected : 20%								
Location : Street Facade At Underside Of Concrete Band Course								
Spalling, Extent : Moderate, Area Affected : 15%								
Location : Street Facade								
Staining/Discoloring, Extent : Moderate, Area Affected : 10%								
Location : Above Overhead Doors								
Masonry: Brick	87%	Now	$27,200	LIFE	* *	5	$8,400	
Diagonal Cracks, Extent : Moderate, Area Affected : 15%								
Location : South West Corner, 3rd Story Street Facade								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
Location : Bulkheads								
Metal Sect. OHD	10%			2044	* *	5	$3,000	
Other Observation, Extent : Severe, Area Affected : 5%								
Location : Aparatus Door								
Explanation : Air Infiltration								
Windows								
Aluminum	95%	Now	$27,100	2056	* *	5	$300	1
Air Infiltration, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Misaligned/Bulging, Extent : Severe, Area Affected : 25%								
Location : Various Windows Throughout								
Steel	5%	Now	$1,800	2056	* *	5	$200	1
Deteriorated Finish, Extent : Moderate, Area Affected : 25%								
Location : Stairs								
Misaligned/Bulging, Extent : Severe, Area Affected : 20%								
Location : Stairwells								
Parapets								
Masonry: Brick	95%			LIFE	* *	5-10	$9,500	
Pre-Cast Concrete	5%	Now	$1,700	LIFE	* *	5	$500	
Caulking Deteriorated, Extent : Light, Area Affected : 20%								
Location : Coping Joints								
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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Carpet	10%			2030	$58,900	3	$6,500	
Cast in Place Concrete	25%	Now	$24,000	LIFE	* *	5	$23,600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Ladder Apparatus Floor								
Uneven Surface, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Floor								
Ceramic Tile	5%			2040	* *	5	$2,200	
Terrazzo	2%			LIFE	* *	5	$1,400	
Vinyl Tile	10%	4+	$7,800	2036	* *	3	$1,600	
Misaligned/Bulging, Extent : Severe, Area Affected : 30%								
Location : Third And Fourth Floor Counselors Offices								
Vinyl Tile	45%			2036	* *	3	$7,300	
Wood	3%			2059	* *	5	$2,400	
Interior Walls								
Ceramic Tile	2%	0-2	$10,500	2044	* *	5	$600	
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : Toilet Rooms								
Explanation : Patching Evident								
Concrete Masonry Unit	10%	Now	$7,000	LIFE	* *	5	$2,400	
Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Parking Garage								
Vertical Cracks, Extent : Moderate, Area Affected : 15%								
Location : Cellar, Stairwells								
Gypsum Board	20%			LIFE	* *	5-10	$20,200	
Plaster	48%			LIFE	* *	5-10	$24,200	
SGFT/Glazed Masonry	20%			LIFE	* *	10	$5,900	
Ceilings								
AcousTileConcealSpLn	35%			2036	* *	5	$18,900	
AcousTileSusp.Lay-In	20%			2044	* *	5	$8,600	
Exposed Concrete	20%	Now	$14,800	LIFE	* *	5	$1,400	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Stair 3 At Cellar								
Gypsum Board	25%			LIFE	* *	5-10	$37,100	
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	* *			

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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

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								
Molded Case Bkrs	100%			2031	$5,200	5	$800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room Basement								
Explanation : One 400 Amperes Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	$52,200	5	$800	
Raceway								
Conduit	90%			2031	$30,100	1		
Conduit	10%			2051	* *	1		
Panelboards								
Fused Disc Sw	5%			2047	* *	5		
Molded Case Bkrs	75%			2030	$30,900	5	$600	
Molded Case Bkrs	20%			2047	* *	5	$200	
Wiring								
Thermoplastic	20%			2051	* *	1		
Thermoplastic	80%			2031	$23,700	1		
Motor Controllers								
Locally Mounted	100%			2029	$15,400	5	$200	
Ground								
Grounding Devices								
Generic	100%	0-2	$10,200	LIFE	* *	5	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Water Main Basement								
Explanation : Corroded								
Stand-by Power								
Transfer Switches								
Automatic	100%			2029	$5,200	1	$8,900	
Generators								
Diesel	100%			2027	$70,300	1	$11,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room Basement								
Explanation : One 30 Kilowatts								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$1,100	
Fuel Storage								
Day Tank	50%			2030	$1,100	5	$2,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room								
Explanation : One 10 Gallons Rated Capacity								
Main Tank	50%			2034	* *	5	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 275 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

LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT

Asset # : 13218

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	2%			2026	$1,700	10	$500	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Basement								
Fluorescent	10%			2026	$8,400	10	$2,600	
T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : Hallway 3rd Floor								
Fluorescent	58%			2036	* *	10	$15,400	
T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : 2nd Floor								
LED	30%			2036	* *			
Egress Lighting								
Emergency, Service	50%			2036	* *	1		
Exit, Service	50%			2036	* *	1		
Exterior Lighting								
Fluorescent	20%			2026	$19,800	10	$500	
Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%								
Location : Outside								
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%			2041	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2036	* *	1	$14,300	
Other Observation, Extent : Light, Area Affected : 85%								
Location : Basement Boiler Room								
Explanation : 1 Unit								
Distribution								
Hot Wtr Piping/Pump	85%	0-2	$1,900	2039	* *	4	$1,200	
Corroded, Extent : Moderate, Area Affected : 5%								
Location : Basement. Corroded Header Piping								
Leak Evident, Extent : Moderate, Area Affected : 100%								
Location : Basement. Circulating Pump Laking								
Hot Wtr Piping/Pump	15%			2047	* *	4	$300	
Recent Replace Evident, Extent : Light, Area Affected : 15%								
Location : 2nd Floor Division 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. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT

Asset # : 13218

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								
Convector/Radiator	45%			2036	* *	1	$4,200	
Convector/Radiator	15%			2044	* *	1	$1,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor Division 1								
Explanation : Radiators In Good Condition								
Fan Coil Unit/Heat	20%			2031	$86,500	1	$1,900	
Unit Heater - Hot Water	20%			2036	* *			
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Reciprocating Compr/Chiller	30%			2031	$73,500	1	$4,000	
R-22 Refrigerant, Extent : Light, Area Affected : 30%								
Location : Penthouse								
Window/Wall Unit	50%			2029	$30,100	1		
No Component	20%							
Distribution								
CW & CHW Wtr Pipe/Pump	30%	Now	$800	2041	* *	4	$400	
Insul. Deteriorating, Extent : Severe, Area Affected : 5%								
Location : Mechanical Room On Roof								
No Component	70%							
Terminal Devices								
Fan Coil - 2 Pipe	15%			2036	* *	1	$1,400	
Other Observation, Extent : Light, Area Affected : 15%								
Location : 2nd Floor Division 1								
Explanation : Recent Installation								
Fan Coil - 4 Pipe	15%			2031	$81,100	1	$1,400	
No Component	70%							
Heat Rejection								
Evaporative Condenser	15%			2039	* *	2	$3,000	
Recent Installation, Extent : Light, Area Affected : 15%								
Location : Lower Roof								
Dry Cooler	30%			2026	$37,700	2	$6,000	
No Component	55%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$25,500	
Exhaust Fans								
Interior	40%			2031	$41,100	2	$400	
Roof	60%	Now	$600	2031	$28,800	2	$400	
Other Observation, Extent : Moderate, Area Affected : 3%								
Location : Lower Roof								
Explanation : 1 Cover Is Missing								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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

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								
Electric	15%			2030	$3,800	4		
Other Observation, Extent : Light, Area Affected : 15%								
Location : 2nd Floor Division 1								
Explanation : 1 Unit								
Gas Fired	85%			2026	$15,000	2	$400	
Other Observation, Extent : Light, Area Affected : 85%								
Location : Basement								
Explanation : Two 80 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%	Now	$600	2024	$1,000	4	$600	
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Basement. Defective Motor And Electrical Defects								
Backflow Preventer								
Generic	100%			2039	* *	1	$1,800	
Fixtures								
Generic	100%							
Vertical Transport								
Elevators								
Geared Traction	100%			LIFE	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement To 4th Floor								
Explanation : 1 - Unit								
Fire Suppression								
Sprinkler								
No Component	50%							
Generic	50%			2041	* *	1-2	$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.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$37,800	$189,100
Interior Architecture	$70,100	
Total	**$107,900**	**$189,100**
Importance Code A	$37,800	$189,100
Importance Code B	$70,100	
Total	**$107,900**	**$189,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$81,300	$3,100		
Interior Architecture	$89,400			$3,900
Electrical	$2,200	$900	$1,100	$2,500
Mechanical	$17,900	$2,000	$30,500	$2,000
Total	**$190,700**	**$6,100**	**$31,500**	**$8,500**
Importance Code A	$82,000	$3,800	$700	$700
Importance Code B	$64,600	$2,300	$30,900	$4,900
Importance Code C	$44,100			$2,900
Total	**$190,700**	**$6,100**	**$31,500**	**$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
LADDER CO. 25/ENGINE CO. 74/ HOOK 25
Asset # : 13219

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	$31,400	
Masonry: Brick	66%	4+	$17,100	LIFE	* *	5	$26,500	
Efflorescence, Extent : Moderate, Area Affected : 2%								
Location : Interior Of Kitchen Area								
Water Penetration, Extent : Moderate, Area Affected : 2%								
Location : Front Door								
Masonry: Limestone	20%			LIFE	* *	5	$12,000	
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	$18,800	2047	* *	5	$1,100	
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 20%								
Location : 2nd And 3rd Floor Windows								
Parapets								
Cast Stone/Terra Cotta	20%	Now	$2,100	LIFE	* *	5	$6,100	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : North West Corner Of Parapet Wall								
Masonry: Brick	45%	Now	$10,900	LIFE	* *	5	$1,800	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : North West Corner Of Parapet Wall								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Rear Wall. Stepped Down Roof Above Kitchen								
Metal Panel	35%			2051	* *	5	$5,300	
Roof								
Modified Bitumen	93%	0-2	$37,800	2031	$189,100			
Blisters, Extent : Moderate, Area Affected : 70%								
Location : Various Locations Throughout								
Patching Evident, Extent : Moderate, Area Affected : 10%								
Location : Several Locations Along Lap Joints								
Ponding, Extent : Moderate, Area Affected : 10%								
Location : Middle Of Roof								
Water Penetration, Extent : Moderate, Area Affected : 2%								
Location : Roof Skylight								
Skylight, Plastic	2%	4+	$1,400	2044	* *	1		
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : 3rd Floor Locker Room								
Sloped Glazing	5%			LIFE	* *	5	$18,700	
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	* *	5	$34,800	
Ceramic Tile	10%			2040	* *	5	$2,000	
Wood	50%	2-4	$70,100	2059	* *	5	$9,300	
Deteriorated Finish, Extent : Severe, Area Affected : 75%								
Location : All Wood Flooring On 2nd Floor								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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

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	20%			2040	* *	5	$5,900	
Concrete Masonry Unit	5%			LIFE	* *	5	$1,200	
Glass: Single Pane	3%			LIFE	* *	5	$1,300	
Gypsum Board	5%			LIFE	* *	5-10	$2,500	
Masonry: Brick	25%	Now	$30,700	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	* *	5-10	$5,500	
Wood	20%	4+	$7,000	LIFE	* *	5	$23,600	
Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Ceilings								
Exposed Struc: Steel	30%			LIFE	* *	10	$11,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Below Apparatus Floor								
Explanation : Material Is Actually Metal Decking								
Metal Panel	20%			LIFE	* *	5	$10,000	
Plaster	50%			LIFE	* *	5-10	$17,100	
Site Pavements								
Public Sidewalk								
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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 600 Amperes.								
Switchgear / Switchboard								
Fused Disc Sw	100%			2051	* *	5	$100	
Raceway								
Conduit	100%			2051	* *	1		
Panelboards								
Fused Disc Sw	5%			2047	* *	5		
Molded Case Bkrs	95%			2047	* *	5	$300	
Wiring								
Thermoplastic	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

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								
Motor Controllers								
Locally Mounted	100%			2044	* *	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$400	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	* *	1	$4,100	
Generators								
Diesel	100%			2040	* *	1	$5,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 80 Kilovolt-ampere								
Batteries								
Lead/Acid	100%			2025	$1,600	5	$500	
Fuel Storage								
Day Tank	50%			2047	* *	5	$1,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 25 Gallons								
Main Tank	50%			2059	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 550 Gallons								
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		
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		

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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	
Other Observation, Extent : Light, Area Affected : 40%								
Location : Roof								
Explanation : 5 Rooftop Units								
Hot Water Boiler	60%			2044	* *	1	$4,000	
Other Observation, Extent : Light, Area Affected : 60%								
Location : Basement								
Explanation : Hydro Thermostat Multi Temp. 3 Boilers Packaged								
Distribution								
Hot Wtr Piping/Pump	60%			2047	* *	4	$600	
Hot Wtr Piping/Pump	40%	0-2	$4,100	2047	* *	4	$300	
Controller Not Working, Extent : Severe, Area Affected : 100%								
Location : Defective Thermostat. Unable To Control Heating								
Terminal Devices								
Convector/Radiator	20%			2044	* *	1	$900	
Convector/Radiator	10%	0-2	$700	2044	* *	1	$400	
Leak Evident, Extent : Moderate, Area Affected : 100%								
Location : 3rd Floor Radiator Leaking								
Unit Heater - Steam	40%			2036	* *	4	$500	
No Component	30%							
Air Conditioning								
Energy Source								
Electricity	100%			2047	* *	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	100%			2036	* *	2	$800	
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : 5 Units. Roof								
Ventilation								
Distribution								
Ductwork/Diffusers	80%			LIFE	* *	2-5	$9,400	
No Component	20%							
Exhaust Fans								
Roof	80%			2031	$17,700	2	$300	
Wall Unit	20%			2036	* *	2	$100	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2051	* *	1		
Water Heater								
Gas Fired	100%			2029	$8,100	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two Units 99 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. 25/ENGINE CO. 74/ HOOK 25
Asset # : 13219

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								
Sanitary Piping								
Cast Iron	60%			LIFE	* *	1		
Cast Iron	40%	0-2	$7,800	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 100%								
Location : Basement. Frequent Sewer Back Up Causing Unsanitary Condition In Basement								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%			2031	$2,000	4	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Pits With Pumps								
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2051	* *	1-2	$3,700	
Chemical System								
Generic	100%			2024	$27,900	1-3	$4,000	
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.
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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **18-Jul-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1**		
Block	: **558** **Lot** : **11**	**BIN**	: **1009010**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$107,900
Total		**$107,900**
Importance Code A		$107,900
Total		**$107,900**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$52,900			$700
Interior Architecture	$24,400	$1,000	$200	
Electrical	$400	$2,100	$3,600	$500
Mechanical	$6,900	$800	$3,900	$700
Site Pavements	$200			
Total	**$84,800**	**$3,900**	**$7,700**	**$1,900**
Importance Code A	$53,400	$500	$500	$1,200
Importance Code B	$28,100	$3,200	$7,100	$700
Importance Code C	$3,400	$300		
Total	**$84,800**	**$3,900**	**$7,700**	**$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
LADDER CO. 3
Asset # : 13215

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	77%			LIFE	* *	5	$15,000	
Masonry: Granite	2%			LIFE	* *	5	$300	
Masonry: Limestone	10%	Now	$22,700	LIFE	* *	5	$1,500	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
Location : North Elevation								
Metal Sect. OHD	10%	Now	$6,500	2042	* *	5	$3,000	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Top Return Panel Is Missing At Front Of Building								
Slate Panels	1%	Now	$2,200	LIFE	* *	5	$100	
Cracking/Crumbling, Extent : Light, Area Affected : 100%								
Location : 1st Floor Window Sill In East Alleyway								
Windows								
Aluminum	100%			2045	* *	5	$1,300	
Parapets								
Masonry: Brick	90%			LIFE	* *	5	$3,000	
Masonry: Sandstone	10%			LIFE	* *	5	$400	
Roof								
Modified Bitumen	100%	Now	$21,600	2029	$107,900			
Blisters, Extent : Moderate, Area Affected : 10%								
Location : East Side								
Ponding, Extent : Moderate, Area Affected : 10%								
Location : East Side								
Seams Open/Split, Extent : Moderate, Area Affected : 10%								
Location : East Side								
Interior								
Floors								
Cast in Place Concrete	50%	Now	$21,300	LIFE	* *	5	$8,400	
Recent Repair Evident, Extent : Light, Area Affected : 10%								
Location : Front Of Apparatus Floor								
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Apparatus Floor								
Water Penetration, Extent : Light, Area Affected : 10%								
Location : At Recent Patch Through The Apparatus Floor								
Ceramic Tile	10%			2038	* *	5	$800	
Recent Replace Evident, Extent : Light, Area Affected : 50%								
Location : 1st Floor Toilet								
Vinyl Tile	40%			2029	$27,800	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
LADDER CO. 3
Asset # : 13215

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%			2038	* *	5	$500	
Recent Replace Evident, Extent : Light, Area Affected : 50%								
Location : 1st Floor Toilet								
Gypsum Board	5%			LIFE	* *	5	$300	
Masonry: Brick	20%			LIFE	* *			
Plaster	35%	Now	$3,200	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 Truck Office								
SGFT/Glazed Masonry	25%			LIFE	* *			
Wood	10%			LIFE	* *	5	$4,200	
Ceilings								
AcousTileSusp.Lay-In	5%			2034	* *	5	$400	
Exposed Struc: Steel	40%			LIFE	* *			
Gypsum Board	5%			LIFE	* *	5	$500	
Plaster	50%			LIFE	* *	5	$2,400	
Site Enclosure								
Fence/Gates								
Iron Picket	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%	Now	$200	2034	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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%			2049	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Main Service Switch Rated At 200 Amperes								
Raceway								
Conduit	100%			2029	$33,500	1		
Panelboards								
Molded Case Bkrs	100%			2045	* *	5	$100	
Wiring								
Thermoplastic	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
LADDER CO. 3
Asset # : 13215

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
Ground							
Grounding Devices							
Generic	100%		LIFE	* *	5	$100	
Stand-by Power							
Transfer Switches							
Automatic	100%		2042	* *	1	$1,600	
Generators							
Diesel	100%		2038	* *	1	$2,000	
	Other Observation, Extent : Light, Area Affected : 100%						
	Location : Basement						
	Explanation : Generator Rated At 40 Kilowatts						
Batteries							
Lead/Acid	100%		2023	$1,600	5	$200	
Fuel Storage							
Day Tank	10%		2045	* *	5	$100	
	Other Observation, Extent : Light, Area Affected : 100%						
	Location : Basement At Generator						
	Explanation : 50 Gallon Capacity						
Day Tank	10%		2045	* *	5	$100	
	Other Observation, Extent : Light, Area Affected : 100%						
	Location : Basement Adjacent To Generator						
	Explanation : 75 Gallon Capacity						
Main Tank	80%		2057	* *	5	$100	
	Other Observation, Extent : Light, Area Affected : 100%						
	Location : Basement						
	Explanation : 550 Gallon Capacity						
Lighting							
Interior Lighting							
Fluorescent	80%		2029	$11,900	10	$3,800	
	T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%						
	Location : Throughout The Building						
Fluorescent	10%		2024	$1,500	10	$500	
	T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%						
	Location : 2nd Floor Offices						
Incandescent	5%		2034	* *	2		
	Other Observation, Extent : Light, Area Affected : 100%						
	Location : Basement						
	Explanation : Halogen Lamps						
LED	5%		2034	* *			
	Other Observation, Extent : Light, Area Affected : 100%						
	Location : 2nd Floor Locker Room						
	Explanation : LED Lighting						
Egress Lighting							
Emergency, Battery	100%		2034	* *	10	$1,200	
Exterior Lighting							
HID	95%		2029	$19,700	10		
Incandescent	5%		2034	* *	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
LADDER CO. 3
Asset # : 13215

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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$5,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Central Plant Steam Piping/Pmp	100%			2039	* *	4	$400	
Terminal Devices								
Convector/Radiator	100%			2027	$27,600	1	$1,700	
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		
Conversion Equipment								
Window/Wall Unit	50%	Now	$500	2022	$5,400	1		
Malfunctioning, Extent : Severe, Area Affected : 5%								
Location : Throughout								
No Component	50%							
Ventilation								
Exhaust Fans								
Roof	15%			2034	* *	2		
No Component	85%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2024	$3,100	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units, 75 Gallons Each								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2022	$200	4	$200	
Backflow Preventer								
Generic	100%			2034	* *	1	$300	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	2%			2027	$600	1-3	$100	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$216,800	
Electrical		$10,300
Total	**$216,800**	**$10,300**
Importance Code A	$216,800	
Importance Code B		$10,300
Total	**$216,800**	**$10,300**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$10,900	$3,600		
Interior Architecture	$60,000	$800		
Electrical	$27,900			$36,500
Mechanical	$12,900	$900	$900	$11,100
Total	**$111,700**	**$5,300**	**$1,000**	**$47,600**
Importance Code A	$11,500	$4,300	$600	$600
Importance Code B	$84,700	$1,100	$300	$47,000
Importance Code C	$15,500			
Total	**$111,700**	**$5,300**	**$1,000**	**$47,600**



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

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%	4+	$65,400	LIFE	* *	5	$20,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Masonry: Granite	20%			LIFE	* *	5	$4,400	
Masonry: Limestone	5%	4+	$8,500	LIFE	* *	5	$1,100	
Staining/Discoloring, Extent : Moderate, Area Affected : 5%								
Location : Front Elevation								
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	$151,400	2040	* *			1
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Water Penetration, Extent : Severe, Area Affected : 50%								
Location : 2nd Through 3rd Floor								
Roll Roofing	5%	Now	$2,400	2032	* *	5	$500	1
Broken/Missing Elements, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Interior								
Floors								
Cast in Place Concrete	38%	0-2	$20,000	LIFE	* *	5	$7,900	
Cracking/Crumbling, Extent : Severe, Area Affected : 70%								
Location : Throughout								
Ceramic Tile	5%	4+	$1,000	2033	* *	5	$200	
Horizontal Cracks, Extent : Light, Area Affected : 2%								
Location : Toilet Rooms								
Quarry Tile	2%	4+	$600	2035	* *	5	$100	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Sheet Vinyl/Rubber	20%	4+	$12,000	2035	* *	5	$1,400	
Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 30%								
Location : Throughout								
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		
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%	4+	$1,000	2039	* *	5	$300	
Vertical Cracks, Extent : Moderate, Area Affected : 2%								
Location : Throughout								
Concrete Masonry Unit	10%	4+	$1,500	LIFE	* *	5	$500	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Staining/Discoloring, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Gypsum Board	30%	Now	$900	LIFE	* *	5	$2,300	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Throughout								
Masonry: Brick	20%	Now	$5,400	LIFE	* *			
Loose/Delam Surface, Extent : Severe, Area Affected : 5%								
Location : Basement								
Plaster	30%	4+	$6,700	LIFE	* *	5	$1,200	
Staining/Discoloring, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Steel Plate	5%			LIFE	* *	5	$400	
Ceilings								
AcousTileSusp.Lay-In	10%			2043	* *	5	$900	
Gypsum Board	40%	4+	$8,200	LIFE	* *	5	$4,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Plaster	40%	Now	$2,700	LIFE	* *	5	$2,400	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Throughout								
Water Penetration, Extent : Severe, Area Affected : 2%								
Location : 2nd Floor								
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		
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
LADDER CO. 47
Asset # : 13232

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								
Raceway								
Conduit	30%			2050	* *	1		
Conduit	70%			2030	$23,400	1		
Panelboards								
Fused Disc Sw	5%			2029	$2,100	5		
Molded Case Bkrs	70%			2046	* *	5	$100	
Molded Case Bkrs	25%			2029	$10,300	5		
Wiring								
Braided Cloth	60%	2-4	$17,800	2055	* *	1		
On Extended Life, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Thermoplastic	30%			2050	* *	1		
Thermoplastic	10%			2030	$3,000	1		
Motor Controllers								
Locally Mounted	100%			2028	$15,400	5		
Ground								
Grounding Devices								
Generic	100%	2-4	$10,200	LIFE	* *	5	$100	
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Water Main								
Lighting								
Interior Lighting								
Fluorescent	90%			2035	* *	10	$5,200	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
LED	10%			2038	* *			
Egress Lighting								
Emergency, Battery	50%			2025	$4,600	10	$800	
Exit, Service	50%			2025	$400	1		
Exterior Lighting								
HID	100%			2025	$25,600	10		

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%			2050	* *	1		
Conversion Equipment								
Steam Boiler	100%			2043	* *	1	$6,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Unit								
Distribution								
Steam Piping/Pump	100%			2030	$28,000			

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. 47
Asset # : 13232

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								
Convector/Radiator	5%	0-2	$1,000	2035	* *	1	$100	
Not in Service, Extent : Moderate, Area Affected : 50%								
Location : 1st Floor TV Room								
Convector/Radiator	75%			2028	$25,500	1	$1,500	
Fan Coil Unit/Heat	20%			2030	$19,000	1	$400	
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Split Unit	5%	0-2	$6,800	2040	* *			
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : 2 Units, Lunch Room								
Unit Inoperable, Extent : Moderate, Area Affected : 100%								
Location : 2 Old Condemn Units, Lunch Room								
Window/Wall Unit	40%			2025	$5,300	1		
No Component	55%							
Ventilation								
Distribution								
Ductwork/Diffusers	10%			LIFE	* *	2-5	$400	
No Component	90%							
Exhaust Fans								
Roof	10%	0-2	$100	2030	$1,100	2		
Not in Service, Extent : Moderate, Area Affected : 5%								
Location : 1st Floor Bathroom								
No Component	90%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%	0-2	$2,400	2040	* *	1		
Pump(s) Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Booster Pump And Tank, Basement								
Water Heater								
Gas Fired	100%			2025	$3,900	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%	0-2	$900	LIFE	* *	1		
Corroded, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Storm Drain Piping								
Cast Iron	100%	0-2	$700	LIFE	* *	1		
Corroded, Extent : Moderate, Area Affected : 100%								
Location : Basement								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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%	0-2	$200	2025	$200	4	$100	
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Basement								
On Extended Life, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Backflow Preventer								
Generic	100%			2030	$1,600	1	$400	
Fixtures								
Generic	100%							
Obsolete Fixtures, Extent : Moderate, Area Affected : 10%								
Location : Bathroom On 1st Floor								
Fire Suppression								
Chemical System								
No Component	97%							
Generic	3%			2025	$800	1-3	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Model Rg-4gs								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Electrical		$16,500
Total		**$16,500**
Importance Code B		$16,500
Total		**$16,500**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$11,900	$2,400	$5,900	
Interior Architecture	$32,000		$600	$200
Electrical	$900	$400	$500	$2,100
Mechanical	$11,300	$1,200	$1,800	$1,300
Total	**$56,000**	**$4,000**	**$8,800**	**$3,600**
Importance Code A	$12,500	$3,000	$6,500	$600
Importance Code B	$25,200	$1,100	$2,300	$2,700
Importance Code C	$18,300			$200
Total	**$56,000**	**$4,000**	**$8,800**	**$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.*

FIRE DEPARTMENT - 057
LADDER CO. 79
Asset # : 13222

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								
Alum/Vinyl Siding	28%			2041	* *	10	$1,300	
Masonry: Brick	60%			LIFE	* *	5	$18,300	
Painted Surfaces, Extent : Light, Area Affected : 100%								
Location : Throughout								
Masonry: Granite	2%			LIFE	* *	5	$500	
Metal Sect. OHD	10%			2048	* *	5	$4,800	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Main Apparatus Entrance Door								
Windows								
Aluminum	25%			2047	* *	5	$400	
Wood	75%			2039	* *	5	$11,900	
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	* *	5-10	$900	
Masonry: Brick	30%			LIFE	* *	5-10	$1,300	
Metal Panel	5%			2041	* *	5	$100	
Wood Cornice	30%			2041	* *	5-10	$2,600	
Paint Peeling, Extent : Light, Area Affected : 20%								
Location : South Facade								
No Component	30%							
Roof								
Asphalt Shingle	10%	Now	$200	2034	* *			
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : Dining Room, Weight Room, And Barbecue Area								
Roll Roofing	5%			2032	* *	5	$500	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Over Shed Roof								
Not Accessible	85%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Main Roof								
Explanation : Modified Bitumen								
Interior								
Floors								
Cast in Place Concrete	35%			LIFE	* *	5	$10,200	
Ceramic Tile	5%	4+	$100	2034	* *	5	$200	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Bathroom On 1st Floor								
Terrazzo	10%			LIFE	* *	5	$1,000	
Vinyl Tile	30%			2039	* *	3	$800	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Second Floor								
Wood	20%			2066	* *	5	$2,500	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Chief's Office On Second Floor								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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	$300	LIFE	* *	5	$800	
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : 1st Floor Areas Located Below Asphalt Shingle Roof								
Masonry: Brick	10%			LIFE	* *	10	$300	
Plaster	25%			LIFE	* *	5-10	$1,900	
Wood	45%			LIFE	* *	5	$33,000	
Deteriorated Finish, Extent : Light, Area Affected : 10%								
Location : Throughout Apparatus Area								
Ceilings								
AcousTileSusp.Lay-In	10%			2044	* *	5	$700	
Embossed Metal	30%			LIFE	* *	5	$1,800	
Deformed/Dented, Extent : Light, Area Affected : 20%								
Location : Apparatus Area								
Exposed Struc: Steel	25%			LIFE	* *	10	$3,300	
Gypsum Board	15%			LIFE	* *	5-10	$3,400	
Plaster	20%			LIFE	* *	5-10	$2,300	
Site Enclosure								
Fence/Gates								
Chain Link	98%			2041	* *			
Other Observation, Extent : Light, Area Affected : 25%								
Location : Throughout								
Explanation : Vegetation Growth								
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%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : East Parking Area								
Explanation : This Is Actually A Gravel And Macadam Surfaced Parking Area								

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								
Molded Case Bkrs	100%			2031	$5,200	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : First Floor								
Explanation : 200 Ampere Main Circuit Breaker								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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%			2041	* *	1		
Panelboards								
Fused Disc Sw	10%			2030	$4,100	5		
Molded Case Bkrs	50%			2039	* *	5	$100	
Molded Case Bkrs	40%			2030	$16,500	5	$100	
Wiring								
Thermoplastic	70%			2031	$20,700	1		
Thermoplastic	30%			2051	* *	1		
Motor Controllers								
Locally Mounted	100%			2029	$15,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Ground Observed								
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	* *	1	$1,800	
Generators								
Diesel	100%			2040	* *	1	$2,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 40 Kilowatts								
Batteries								
Lead/Acid	100%			2025	$1,600	5	$200	
Fuel Storage								
Day Tank	50%			2047	* *	5	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 50 Gallons								
Main Tank	50%			2059	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 216 Gallons								
Lighting								
Interior Lighting								
Fluorescent	90%			2031	$15,200	10	$4,800	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout								
Incandescent	10%			2031	$4,000	2		
Egress Lighting								
Emergency, Service	70%			2031	$2,100	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		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Exterior Lighting								
HID	50%			2031	$11,700	10		
No Component	50%							

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%			2051	* *	1		
Corroded, Extent : Light, Area Affected : 100%								
Location : Cellar								
Conversion Equipment								
Steam Boiler	100%			2036	* *	1	$5,800	
Distribution								
Steam Piping/Pump	100%			2041	* *			
Terminal Devices								
Convector/Radiator	100%			2036	* *	1	$1,900	
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Split Unit	10%			2031	$12,400			
Window/Wall Unit	50%			2026	$6,100	1		
No Component	40%							
Distribution								
Ductwork/Diffusers	50%			LIFE	* *	2	$4,700	
No Component	50%							
Terminal Devices								
Air Handler/Dir Expansion	50%			2031	$19,500	1		
No Component	50%							
Heat Rejection								
Air Cooled Condenser Unit	50%			2031	$3,500	2	$2,000	
No Component	50%							
Ventilation								
Exhaust Fans								
Interior	80%	Now	$800	2031	$16,600	2	$100	
Broken, Extent : Severe, Area Affected : 10%								
Location : 1st Floor Bathroom								
Malfunctioning, Extent : Moderate, Area Affected : 10%								
Location : 1st Floor Bathroom								
Wall Unit	20%	Now	$100	2031	$400	2		
Broken, Extent : Severe, Area Affected : 30%								
Location : Kitchen Hood								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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								
Gas Fired	100%			2026	$3,600	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 75 Gallons								
Sanitary Piping								
Cast Iron	100%	Now	$8,500	LIFE	* *	1		
Blockage /Clogged, Extent : Severe, Area Affected : 30%								
Location : Backs Up In Basement								
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	$2,800	1-3	$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.*

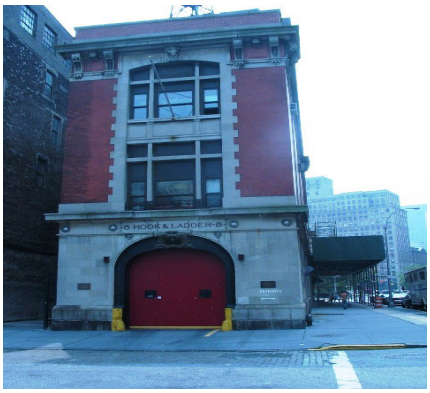
Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **25-Jun-2018**	**Landmark Status**	: **HISTORICAL LANDMARK DISTRICT**
Areas Surveyed	: **Basement, Roof, Floors 1,2,3**		
Block	: **189** **Lot** : **35**	**BIN**	: **1002150**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$42,200	
Interior Architecture	$45,800	
Total	**$88,000**	
Importance Code A	$42,200	
Importance Code B	$45,800	
Total	**$88,000**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$3,500		$7,800	
Interior Architecture	$39,200		$5,500	
Electrical	$400	$400	$600	$400
Mechanical	$700	$700	$900	$600
Site Enclosure	$5,500			
Site Pavements	$2,000			
Total	**$51,100**	**$1,000**	**$14,800**	**$900**
Importance Code A	$3,800	$300	$8,100	$300
Importance Code B	$2,100	$700	$6,300	$600
Importance Code C	$45,200		$300	
Total	**$51,100**	**$1,000**	**$14,800**	**$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. 8
Asset # : 13216

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%			LIFE	* *	5	$21,000	
Recent Repair Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Masonry: Granite	5%			LIFE	* *	5	$1,100	
Recent Repair Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Masonry: Limestone	10%	Now	$42,200	LIFE	* *	5	$2,300	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : West Facades								
Recent Repair Evident, Extent : Light, Area Affected : 50%								
Location : Throughout								
Metal Sect. OHD	15%			2049	* *	5	$14,100	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Main Apparatus Door								
Windows								
Aluminum	100%			2054	* *	5	$1,500	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Parapets								
Masonry: Brick	87%			LIFE	* *	5	$2,300	
Recent Repair Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Masonry: Limestone	8%			LIFE	* *	5	$300	
Slate	5%	Now	$3,500	LIFE	* *	5	$100	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Roof								
Modified Bitumen	100%			2039	* *	10	$5,900	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Interior								
Floors								
Cast in Place Concrete	20%			LIFE	* *	5	$4,100	
Recent Replace Evident, Extent : Light, Area Affected : 60%								
Location : Apparatus Floor								
Cast in Place Concrete	20%			LIFE	* *	5	$4,100	
Sheet Vinyl/Rubber	5%			2039	* *	5	$700	
Traffic Topping	5%			2039	* *	5	$600	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Wood	50%			2069	* *	5	$8,800	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Throughout								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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. 8
Asset # : 13216

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%			2044	* *	5	$600	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Concrete Masonry Unit	2%			LIFE	* *	5	$100	
Recent Construction, Extent : Light, Area Affected : 100%								
Location : Basement								
Fiberglass Panel	5%			LIFE	* *			
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Mezzanine								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Mezzanine								
Explanation : Foam Insulation Covering								
Gypsum Board	33%			LIFE	* *	5	$2,600	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Masonry: Brick	20%	Now	$23,300	LIFE	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Plaster	10%			LIFE	* *	5	$400	
Recent Repair Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
SGFT/Glazed Masonry	25%	Now	$14,500	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Room								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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. 8
Asset # : 13216

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	3%			2049	* *	5	$300	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Embossed Metal	40%			LIFE	* *	5	$1,700	
Recent Repair Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Exposed Concrete	2%	Now	$1,400	LIFE	* *	5		
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Basement								
Exposed Struc: Steel	20%	Now	$45,800	LIFE	* *			
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Basement								
Gypsum Board	30%			LIFE	* *	5	$3,500	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Wood	5%			LIFE	* *	5	$4,100	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Site Enclosure								
Fence/Gates								
Iron Picket	100%			2064	* *			
Free Standing Walls								
Masonry: Brick	100%	Now	$5,500	2039	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Side Yard								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2042	* *			
Parking/Driveway								
Cast in Place Concrete	100%	Now	$2,000	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Front Driveway Apron								

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%			2059	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : The Service Equipment Consists Of One 200 Ampere Main Disconnect Switch.								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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. 8
Asset # : 13216

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								
Raceway								
Conduit	100%			2059	* *	1		
Panelboards								
Molded Case Bkrs	100%			2054	* *	5	$200	
Wiring								
Thermoplastic	100%			2059	* *	1		
Motor Controllers								
Locally Mounted	100%			2049	* *	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Lighting								
Interior Lighting								
Fluorescent	5%			2039	* *	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%			2039	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout Building								
Explanation : New LED Fixtures Are Installed Throughout The Building.								
Egress Lighting								
Emergency, Battery	50%			2039	* *	10	$800	
Exit, LED	50%			2069	* *	1		
Exterior Lighting								
LED	100%			2039	* *			
Alarm								
Fire/Smoke Detection								
Generic, Analog	100%			2039	* *	1-3	$3,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout Building								
Explanation : There Are Individual Smoke Detectors Installed Throughout The Building.								

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%			2059	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2049	* *	1	$3,100	
Distribution								
Hot Wtr Piping/Pump	100%			2054	* *	4	$500	
Terminal Devices								
Convector/Radiator	100%			2049	* *	1	$2,000	
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
LADDER CO. 8
Asset # : 13216

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%			2054	* *	1		
Conversion Equipment								
Split Unit	70%			2039	* *			
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	70%			LIFE	* *	2-5	$2,400	
No Component	30%							
Exhaust Fans								
Wall Unit	30%			2039	* *	2	$100	
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	95%			2059	* *	1		
Galvanized Steel	5%			2049	* *	1		
Water Heater								
Gas Fired	100%			2029	$4,100	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 74 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%			2039	* *	4	$200	
Backflow Preventer								
Generic	100%			2039	* *	1	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Installed On Steam Boiler Connection								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	2%			2029	$600	1-3	$100	
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **28-Jun-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **254** **Lot** : **1**	**BIN**	: **4003451**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$1,497,000	$593,300
Interior Architecture	$907,900	$433,900
Electrical	$188,000	$20,600
Mechanical	$272,200	$3,277,800
Site Pavements	$49,000	
Total	**$2,914,200**	**$4,325,600**
Importance Code A	$1,497,000	$593,300
Importance Code B	$760,900	$3,690,700
Importance Code C	$656,300	$41,600
Total	**$2,914,200**	**$4,325,600**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$38,800			$1,500
Interior Architecture	$28,100	$6,400		$6,400
Electrical	$23,700	$26,900	$26,500	$31,800
Mechanical	$56,000	$32,000	$77,900	$34,100
Site Pavements	$6,500			
Total	**$153,000**	**$65,200**	**$104,400**	**$73,900**
Importance Code A	$60,600	$16,200	$16,700	$17,800
Importance Code B	$70,500	$49,000	$87,700	$56,100
Importance Code C	$21,900			
Total	**$153,000**	**$65,200**	**$104,400**	**$73,900**



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
MAINTENANCE GARAGE LIC
Asset # : 2010

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	75%	Now	$263,500	LIFE	* *	5	$437,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Over Bay Doors East And West Sides								
Spalling, Extent : Moderate, Area Affected : 5%								
Location : Over Bay Doors								
Metal Panel	15%			2055	* *	5-10	$120,400	
Metal Sect. OHD	3%	Now	$11,700	2042	* *	5	$5,500	
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : East Facade Entrance								
Explanation : Bent Warped								
Metal Coiling Doors	5%	Now	$17,700	2042	* *	5	$9,100	
Bent/Warped Elements, Extent : Moderate, Area Affected : 10%								
Location : East Side Of Building								
Wood Overhead Doors	2%	Now	$47,300	2034	* *	5	$5,800	
Deteriorated Finish, Extent : Light, Area Affected : 100%								
Location : At Loading Docks								
Dry Rot/Decay, Extent : Moderate, Area Affected : 10%								
Location : At Loading Docks								
Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%								
Location : At Loading Docks								
Windows								
Aluminum	95%	Now	$58,600	2051	* *	5	$3,300	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Second Floor Offices And Machine Shop								
Metal Louvers	5%	Now	$5,500	2038	* *			
Corrosion/Rusting, Extent : Light, Area Affected : 25%								
Location : Throughout								
Parapets								
Cast in Place Concrete	95%			LIFE	* *	5	$155,600	
Metal Panel	5%			2055	* *	5	$3,100	
Roof								
Modified Bitumen	95%	Now	$661,100	2037	* *			
Ponding, Extent : Moderate, Area Affected : 35%								
Location : Flat Roofs								
Seams Open/Split, Extent : Moderate, Area Affected : 5%								
Location : Flat Roofs								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor Offices								
Skylight, Metal/Glass	5%	Now	$378,800	2049	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Main Maintenence Bay								
Other Observation, Extent : Light, Area Affected : 10%								
Location : Main Maintenence Bay								
Explanation : Broken Glazing Coverd With Plywood								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
MAINTENANCE GARAGE LIC
Asset # : 2010

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								
Soffits								
Cast in Place Concrete	100%	Now	$3,900	LIFE	* *	5	$3,300	
Horizontal Cracks, Extent : Moderate, Area Affected : 10%								
Location : Main Entrance								
Interior								
Floors								
Cast in Place Concrete	70%	4+	$99,600	LIFE	* *	5	$392,300	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Ceramic Tile	5%			2038	* *	5	$12,800	
Terrazzo	5%	4+	$12,700	LIFE	* *	5	$10,000	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : 1st Floor Lobby								
Vinyl Tile	20%	Now	$46,500	2034	* *	3	$19,200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Throughout 1st Floor								
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout 1st Floor								
Interior Walls								
Cast in Place Concrete	35%	Now	$656,300	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Window Lintel Second Floor Offices								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Lintels At 2nd Floor Offices								
Concrete Masonry Unit	10%			LIFE	* *	5	$11,100	
Gypsum Board	25%	Now	$15,400	LIFE	* *	5	$41,600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Throughout 1st Floor								
Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%								
Location : Throughout 1st Floor								
Masonry: Brick	5%			LIFE	* *			
Plaster	5%			LIFE	* *	5	$4,200	
SGFT/Glazed Masonry	20%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	25%			2046	* *	5	$64,000	
Exposed Concrete	60%	Now	$105,600	LIFE	* *	5	$24,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Concrete Beam At Ceiling Over Storage Area								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Offices								
Exposed Struc: Steel	5%			LIFE	* *			
Plaster	10%			LIFE	* *	5	$16,000	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2049	* *			

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FIRE DEPARTMENT - 057
MAINTENANCE GARAGE LIC
Asset # : 2010

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 Enclosure								
Retaining Walls								
Concrete Masonry Unit	100%			2049	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	$49,000	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Grade Beam Holding Up Grating								
Spalling, Extent : Moderate, Area Affected : 10%								
Location : Grade Beam Holding Up Grating								
On-Site Walkways								
Cast in Place Concrete	100%	Now	$6,500	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Steps To 1st Floor Entrance, West Side								
Parking/Driveway								
Cast in Place Concrete	100%			2042	* *			

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%			2049	* *	5	$900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room Basement								
Explanation : Two 3,000 Ampere Main Disconnect Switches								
Transformers								
Dry Type	100%			2042	* *	5	$800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : One 225 And One 112.5 Kilovolt-ampere, 480/277 High Voltage - 208/120 Low Voltage								
Switchgear / Switchboard								
Air Circuit Breaker	50%			2049	* *	5	$500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room								
Explanation : Low Voltage Power Circuit Breaker								
Fused Disc Sw	50%			2049	* *	5	$400	
Raceway								
Conduit	50%			2049	* *	1		
Conduit	50%			2029	$16,700	1		
Panelboards								
Fused Disc Sw	5%			2045	* *	5	$200	
Fused Disc Sw	5%			2028	$2,100	5	$200	
Molded Case Bkrs	50%			2028	$20,600	5	$2,700	
Molded Case Bkrs	40%			2045	* *	5	$2,200	

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FIRE DEPARTMENT - 057
MAINTENANCE GARAGE LIC
Asset # : 2010

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								
Wiring								
Thermoplastic	50%			2049	* *	1		
Thermoplastic	50%			2029	$14,800	1		
Motor Controllers								
Locally Mounted	70%			2042	* *	5	$1,000	
Locally Mounted	30%			2027	$4,600	5	$400	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$3,000	
Stand-by Power								
Transfer Switches								
Automatic	100%			2042	* *	1	$63,100	
Generators								
Diesel	100%			2038	* *	1	$79,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room Basement								
Explanation : Two 750 Kilowatts								
Batteries								
Lead/Acid	100%			2023	$1,600	5	$7,600	
Fuel Storage								
Day Tank	50%			2045	* *	5	$19,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room Basement								
Explanation : One 620 Gallon								
Main Tank	50%			2057	* *	5	$3,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Underground								
Explanation : One 2,500 Gallon								
Lighting								
Interior Lighting								
Fluorescent	30%			2034	* *	10	$56,400	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Offices, Storage And Basement								
Fluorescent	70%			2034	* *	10	$131,600	
T-5 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Repair Shops And Garage								
Egress Lighting								
Emergency, Service	60%			2034	* *	1		
Emergency, Battery	10%			2034	* *	10	$4,900	
Exit, Service	30%			2034	* *	1		
Exterior Lighting								
HID	100%			2034	* *	10	$600	
Alarm								

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FIRE DEPARTMENT - 057
MAINTENANCE GARAGE LIC
Asset # : 2010

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
Alarm								
Security System								
No Component	70%							
Generic	30%			2034	* *	1	$23,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Inside And Outside								
Explanation : CCTV Surveillance Camera								
Fire/Smoke Detection								
No Component	70%							
Generic, Digital	30%			2034	* *	1-3	$39,000	

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	40%			2049	* *	1		
Interruptible Gas/Dual Fuel	60%			2049	* *	1		
Conversion Equipment								
Furnace	40%	0-2	$9,700	2034	* *	1	$36,500	
Malfunctioning, Extent : Severe, Area Affected : 40%								
Location : Roof								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 4 Units								
Steam Boiler	60%			2042	* *	1	$121,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Boiler Room								
Explanation : 3 Units								
Distribution								
Central Plant Steam Piping/Pmp	60%	Now	$208,200	2029	$2,081,700	4	$6,100	
Leak Evident, Extent : Severe, Area Affected : 60%								
Location : Throughout								
No Component	40%							
Terminal Devices								
Convector/Radiator	40%	Now	$21,900	2034	* *	1	$23,800	
Other Observation, Extent : Severe, Area Affected : 40%								
Location : Throughout								
Explanation : Steam Traps Faulty								
Fan Coil Unit/Heat	20%			2029	$614,000	1	$13,200	
No Component	40%							
Air Conditioning								
Energy Source								
Electricity	100%			2037	* *	1		

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FIRE DEPARTMENT - 057
MAINTENANCE GARAGE LIC
Asset # : 2010

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								
Conversion Equipment								
Exterior Pkg Unit - Cooling	5%			2029	$83,000	2	$600	
R-22 Refrigerant, Extent : Light, Area Affected : 100%								
Location : Roof								
Split Unit	10%			2034	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : Refrigerant R-410 A								
Window/Wall Unit	15%			2024	$64,100	1		
No Component	70%							
Terminal Devices								
Fan Coil - 2 Pipe	10%			2034	* *	1	$6,600	
No Component	90%							
Heat Rejection								
Dry Cooler	10%			2034	* *	2	$14,300	
No Component	90%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$114,300	
Exhaust Fans								
Interior	5%			2034	* *	2	$300	
Roof	95%			2029	$323,300	2	$6,000	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2027	$125,000	2	$3,000	
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%			2029	$31,300	4	$4,300	
Backflow Preventer								
Generic	100%			2037	* *	1	$12,600	
Fixtures								
Generic	100%							
Fire Suppression								
Standpipe								
Generic	100%			2039	* *	1-5	$103,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 34th Street Side Wall								
Explanation : Connection								
Sprinkler								
No Component	50%							
Generic	50%			2039	* *	1-2	$28,700	

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FIRE DEPARTMENT - 057
MAINTENANCE GARAGE LIC
Asset # : 2010

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								
Generic	100%			2027	$27,900	1-3	$3,700	

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	:	**17-Nov-2016**	**Landmark Status**	:	**NONE**
Areas Surveyed	:	**Floors 1,2**			
Block	:	**2023** **Lot** : **1**	**BIN**	:	**3335122**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Interior Architecture		$106,600
Electrical		$50,500
Mechanical		$595,800
Total		**$752,900**
Importance Code A		$131,200
Importance Code B		$584,400
Importance Code C		$37,300
Total		**$752,900**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$50,100			
Interior Architecture	$48,900	$13,000		$2,300
Electrical	$3,100	$12,300	$1,300	$1,200
Mechanical	$20,600	$45,900	$5,200	$2,700
Total	**$122,600**	**$71,200**	**$6,500**	**$6,200**
Importance Code A	$52,700	$900	$900	$800
Importance Code B	$51,600	$70,300	$5,700	$5,300
Importance Code C	$18,400			
Total	**$122,600**	**$71,200**	**$6,500**	**$6,200**



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FIRE DEPARTMENT - 057

MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292

Asset # : 14078

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	85%	Now	$32,900	LIFE	* *	5	$10,200	
Rusting Masonry Supt, Extent : Moderate, Area Affected : 10%								
Location : Above Overhead Doors And Various 2nd Floor Windows								
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st And 2nd Floors								
Explanation : Facility Occupies Only A Portion Of Building Entire								
Metal Coiling Doors	8%			2041	* *	5	$3,000	
Pre-Cast Concrete	7%	Now	$1,500	LIFE	* *	5	$2,700	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor South Facing Windows								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
Location : Window Sills								
Windows								
Aluminum	25%			2044	* *	5	$100	
Steel	75%	0-2	$15,700	2053	* *	5	$1,800	
Corrosion/Rusting, Extent : Moderate, Area Affected : 35%								
Location : Exterior And Interior Mullions Throughout								
Glazing Broken/Cracked, Extent : Light, Area Affected : 5%								
Location : Shops Area - 1st Floor								
Caulking Deteriorated, Extent : Severe, Area Affected : 50%								
Location : 1st And 2nd Story Windows								
Interior								

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FIRE DEPARTMENT - 057

MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292

Asset # : 14078

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	45%	Now	$10,900	LIFE	* *	5	$21,500	
Horizontal Cracks, Extent : Light, Area Affected : 5%								
Location : First Floor Shop								
Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 15%								
Location : Shops / Apparatus Area								
Worn/Eroded, Extent : Light, Area Affected : 15%								
Location : Shops / Apparatus Area								
Ceramic Tile	5%	Now	$2,300	2031	$22,600	5	$500	
Deteriorated Finish, Extent : Moderate, Area Affected : 20%								
Location : Water Area At Showers And Sinks								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Water Area At Showers And Sinks								
Ceramic Tile	2%			2041	* *	5	$400	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor Bathroom								
Quarry Tile	8%			2045	* *	5	$2,600	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor Kitchen								
Vinyl Tile	35%	0-2	$13,900	2028	$69,300	3	$2,900	
Worn/Eroded, Extent : Moderate, Area Affected : 30%								
Location : 2nd Floor - Throughout Offices And Bunk Rooms								
Vinyl Tile 9" X 9"	5%			2023	$12,800	3	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor Areas And Safety Locker Room								
Explanation : 9x9s Installed								

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FIRE DEPARTMENT - 057

MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292

Asset # : 14078

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%	Now	$1,900	2031	$37,300	5	$600	
Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Toilet and shower Rooms								
Ceramic Tile	5%			2041	* *	5	$1,300	
Recent Construction, Extent : Light, Area Affected : 100%								
Location : 2nd Floor Bathrooms And Kitchen								
Concrete Masonry Unit	40%	Now	$12,000	LIFE	* *	5	$4,100	
Staining/Discoloring, Extent : Moderate, Area Affected : 20%								
Location : Throughout Corridors								
Glass: Single Pane	5%			LIFE	* *	5	$900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Main Corridor On 2nd Floor								
Explanation : Interior Window Wall								
Gypsum Board	40%	Now	$4,500	LIFE	* *	5	$6,100	
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : Baseboard Missing - 2nd Floor Corridors								
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Various Locations Throughout								
Wood	5%			LIFE	* *	5	$5,100	
Ceilings								
AcousTileConcealSpLn	5%	0-2	$200	2041	* *	5	$700	
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Sout Facing Office - 2nd Floor								
AcousTileSusp.Lay-In	35%	Now	$3,300	2041	* *	5	$3,800	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Various Locations Throughout								
Embossed Metal	5%			LIFE	* *	5	$500	
Exposed Concrete	55%			LIFE	* *	5	$1,900	
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2033	* *			
Parking/Driveway								
Asphalt	100%			2037	* *			

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%			2048	* *	5	$100	

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FIRE DEPARTMENT - 057

MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292

Asset # : 14078

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								
Transformers								
Dry Type	100%			2033	* *	5	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Mechanical Room, 2nd Floor								
Explanation : One 45 Kilovolt-ampere 480v Pri - 208/120 Volts Secondary								
Raceway								
Conduit	60%			2048	* *	1		
Conduit	40%			2038	* *	1		
Panelboards								
Fused Disc Sw	5%			2044	* *	5		
Fused Disc Sw	5%			2036	* *	5		
Molded Case Bkrs	50%			2044	* *	5	$200	
Molded Case Bkrs	40%			2036	* *	5	$200	
Wiring								
Thermoplastic	60%			2048	* *	1		
Thermoplastic	40%			2038	* *	1		
Motor Controllers								
Locally Mounted	40%			2033	* *	5		
Locally Mounted	60%			2041	* *	5	$100	
Ground								
Grounding Devices								
Not Accessible	100%							
Stand-by Power								
Transfer Switches								
Automatic	100%			2041	* *	1	$5,200	
Generators								
Diesel	100%			2037	* *	1	$6,600	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Outside								
Explanation : One 500 Kilowatt And One 125 Kilowatt Power System								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$600	
Fuel Storage								
Main Tank	100%			2056	* *	5	$500	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Generator Room Outside								
Explanation : One 240 Gallons For 125 Kilowatt Generator And One 875 Gallons For 500 Kilowatt Generator								
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

MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292

Asset # : 14078

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	70%			2033	* *	10	$10,900	
T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : Storage, 1st And 2nd Floor Offices, Locker Room And Hallway								
Fluorescent	5%			2028	$2,500	10	$800	
T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : 2nd Floor								
HID	15%			2033	* *	10	$100	
LED	10%			2038	* *			
Egress Lighting								
Emergency, Service	50%			2033	* *	1		
Emergency, Service	5%			2038	* *	1		
Emergency, Service	5%			2028	$400	1		
Exit, Service	40%			2028	$800	1		
Exterior Lighting								
HID	70%			2028	$48,000	10		
HID	30%			2038	* *	10		

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%			2038	* *	1		
Conversion Equipment								
Hot Water Boiler	100%	0-2	$2,600	2026	$131,200	1	$7,600	
Malfunctioning, Extent : Light, Area Affected : 100%								
Location : Boiler Control System								
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor Boiler Room								
Explanation : 6 Boilers Piped With Header								
Distribution								
Hot Wtr Piping/Pump	100%	0-2	$1,300	2027	$26,500	4	$800	
Corroded, Extent : Moderate, Area Affected : 5%								
Location : Boiler Room								
Terminal Devices								
Air Handler	70%			2028	$167,600	1	$7,400	
Convector/Radiator	15%			2033	* *	1	$800	
Unit Heater - Steam	15%	Now	$900	2023	$9,100	4	$200	
Not in Service, Extent : Severe, Area Affected : 10%								
Location : 1st Floor								
Air Conditioning								
Energy Source								
Electricity	100%			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

MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292

Asset # : 14078

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								
Conversion Equipment								
Interior Pkg Unit - Cooling	40%	Now	$12,700	2026	$254,600	2	$300	
Broken, Extent : Severe, Area Affected : 5%								
Location : Fresh Air Louvers								
Not in Service, Extent : Moderate, Area Affected : 5%								
Location : Temp. Controller								
R-22 Refrigerant, Extent : Light, Area Affected : 40%								
Location : 2nd Floor								
Other Observation, Extent : Moderate, Area Affected : 5%								
Location : 3 Units, Mechanical Room On 2nd Floor								
Explanation : Filters Are Required								
Split Unit	30%			2036	* *			
Other Observation, Extent : Light, Area Affected : 30%								
Location : 1st Floor Machine Shop								
Explanation : 3 Units. R-410a								
Window/Wall Unit	10%			2023	$3,500	1		
No Component	20%							
Terminal Devices								
Fan Coil - 2 Pipe	30%			2036	* *	1	$1,700	
No Component	70%							
Heat Rejection								
Evaporative Condenser	30%			2036	* *	2	$3,600	
No Component	70%							
Ventilation								
Distribution								
Ductwork/Diffusers	70%			LIFE	* *	2-5	$6,600	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor Garage								
Explanation : Serves Garage Only								
No Component	30%							
Exhaust Fans								
Interior	70%			2028	$42,400	2	$400	
Wall Unit	30%			2028	$1,800	2	$200	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2038	* *	1		
Water Heater								
Electric	100%			2027	$15,000	4	$200	
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Backflow Preventer								
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.
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FIRE DEPARTMENT - 057

MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292

Asset # : 14078

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%							
	Obsolete Fixtures, Extent : Severe, Area Affected : 100%							
	Location : Kitchen And Bathrooms							
Fire Suppression								
Standpipe								
Generic	100%			2048	* *	1-5	$8,600	
Sprinkler								
Generic	100%			2038	* *	1-2	$4,800	
Fire Pump								
Not Accessible	100%							
Chemical System								
Generic	100%			2023	$27,900	1-3	$3,700	

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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **17-Nov-2016**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2**		
Block	: **487** **Lot** : **100**	**BIN**	:

CAPITAL

Total

Importance Code

Total

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$5,300	$24,400		
Interior Architecture	$4,400	$400	$3,500	
Electrical	$1,300	$3,900	$1,700	$1,400
Mechanical	$500	$300	$1,000	$300
Total	**$11,600**	**$28,900**	**$6,200**	**$1,700**
Importance Code A	$5,300	$24,400	$100	
Importance Code B	$4,600	$4,500	$6,100	$1,700
Importance Code C	$1,700			
Total	**$11,600**	**$28,900**	**$6,200**	**$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
MARINE 9 RESPONSE UNIT
Asset # : 14079

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	5%			LIFE	* *	5	$5,400	
Concrete Masonry Unit	30%			LIFE	* *	5	$4,100	
Metal Panel	30%			2048	* *	5-10	$44,600	
Metal Sect. OHD	5%			2041	* *	5	$3,400	
Window Wall	30%			2048	* *	5	$24,400	
Windows								
Aluminum	100%	Now	$5,300	2044	* *	5	$1,200	
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : Bunk Room And Gymnasium								
Parapets								
Metal Rail	90%			2041	* *	5-10	$20,200	
Metal: Cage/Fence	10%			2041	* *	5-10	$1,000	
Roof								
Not Accessible	100%							
Interior								
Floors								
Cast in Place Concrete	15%	Now	$1,600	LIFE	* *	5	$3,100	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Garage								
Ceramic Tile	25%			2037	* *	5	$2,400	
Panel/Paver: Cer/Brk	30%			2044	* *	5	$6,400	
Sheet Vinyl/Rubber	5%			2033	* *	5	$700	
Vinyl Tile	25%			2033	* *	3	$900	
Interior Walls								
Ceramic Tile	25%			2037	* *	5	$3,300	
Gypsum Board	35%			LIFE	* *	5	$2,800	
Wood	15%			LIFE	* *	5	$8,000	
No Component	25%							
Ceilings								
AcousTileSusp.Lay-In	85%			2041	* *	5	$8,000	
Exposed Struc: Steel	15%			LIFE	* *			
Site Enclosure								
Fence/Gates								
Chain Link	100%			2048	* *			
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	100%			2041	* *			

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
Over 600 Volts								

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

FIRE DEPARTMENT - 057
MARINE 9 RESPONSE UNIT
Asset # : 14079

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
Over 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2054	* *	3		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 600 Amperes, 13.8kv								
Transformers								
Dry Type	100%			2045	* *	3		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 1-750 Kilovolt-ampere, 4,160/480/277 Volts, 1-750 Kilovolt-ampere, 13.2kv/480/277 Volts								
Feeders								
Cable	100%			2050	* *	1		
Raceway								
Conduit	100%			2054	* *	1		
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2054	* *	5		$200
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : Main Service Disconnect Switch Rated At 800 Amperes.								
Transformers								
Dry Type	100%			2045	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room, And Outside								
Explanation : Three 112.5 Kilovolt-ampere, 480/208/120 volts And 30 Kilovolt-ampere, 45 Kilovolt-ampere 480/208/120 Volts								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2054	* *	5		$200
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : 1- Vertical Section								
Raceway								
Conduit	100%			2054	* *	1		
Panelboards								
Fused Disc Sw	15%			2050	* *	5		
Molded Case Bkrs	85%			2050	* *	5		$200
Wiring								
Thermoplastic	100%			2054	* *	1		
Motor Controllers								
Locally Mounted	100%			2045	* *	5		$100
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5		$100
Other Observation, Extent : Light, Area Affected : 100%								
Location : Water Main Room								
Explanation : Connected To Metal Water Pipe								
Stand-by Power								

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

FIRE DEPARTMENT - 057
MARINE 9 RESPONSE UNIT
Asset # : 14079

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
Stand-by Power								
Transfer Switches								
Automatic	100%			2045	* *	1	$2,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : Rated At 1,200 Amperes, Eaton ATC-300 Automatic Transfer Switch Controller								
Generators								
Diesel	100%			2041	* *	1	$3,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : Emergency Generator Rated At 562.5 Kilovolt-ampere Or 450 Kilovolt-ampere								
Batteries								
Nickel Cadmium	100%			2023	$1,600	5	$1,800	
Fuel Storage								
Main Tank	100%			2063	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 800 Gallons Rated Capacity								
Lighting								
Interior Lighting								
Fluorescent	90%			2036	* *	10	$5,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps, Equipped With Occupancy Sensors								
Fluorescent	10%			2036	* *	10	$600	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Hallways								
Egress Lighting								
Emergency, Service	40%			2036	* *	1		
Emergency, Battery	30%			2036	* *	10	$500	
Exit, LED	30%			2063	* *	1		
Exterior Lighting								
Fluorescent	50%			2036	* *	10	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Perimeter Of The Building								
Explanation : 17 Compact Fluorescent Light Fixtures								
Fluorescent	50%			2036	* *	10	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : 17 Fluorescent Fixtures With T-8 Lamps								
Alarm								
Security System								
Generic	100%			2036	* *	1	$3,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Inside And Outside								
Explanation : 9 CCTV Surveillance Cameras								

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

FIRE DEPARTMENT - 057
MARINE 9 RESPONSE UNIT
Asset # : 14079

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
Alarm								
Fire/Smoke Detection								
Generic, Digital	100%			2036	* *	1-3	$4,900	
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		
System / Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Electricity	40%			2054	* *	1		
Solar Panels	60%			2054	* *	2	$200	
Terminal Devices								
Fan Coil Unit/Heat	20%			2036	* *	1	$400	
Other Observation, Extent : Light, Area Affected : 20%								
Location : 1st Floor Garage								
Explanation : Electric Fan Coil Unit Heater.								
No Component	80%							
Air Conditioning								
Energy Source								
Electricity	100%			2053	* *	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	100%			2036	* *	2	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : 3 Rooftop Package Units With Refrigerant R- 410a								
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$3,500	
Exhaust Fans								
Roof	15%			2036	* *	2		
No Component	85%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : Roof								
Explanation : Process Is Carried Out Through Air Conditioning System								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2054	* *	1		
Water Heater								
Electric	100%			2027	$5,500	4	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : First Floor Mechanical Room								
Explanation : 2 Units - Hot Water Solar Panels Are Used To Heat The Water								

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FIRE DEPARTMENT - 057
MARINE 9 RESPONSE UNIT
Asset # : 14079

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								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Backflow Preventer								
Generic	100%			2036	* *	1	$400	
Fixtures								
Generic	100%							
Fire Suppression								
Sprinkler								
Generic	100%			2058	* *	1-2	$1,800	
Chemical System								
No Component	80%							
Generic	10%			2027	$2,800	1-3	$400	
Generic	10%			2028	$2,800	1-3	$400	
	Other Observation, Extent : Light, Area Affected : 100%							
	Location : Throughout							
	Explanation : Fire Extinguishers							

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **23-Jan-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2,3**		
Block	: **1071** **Lot** : **49**	**BIN**	: **1070109**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$48,000	
Electrical	$70,300	$91,300
Mechanical	$51,600	
Total	**$169,900**	**$91,300**
Importance Code A	$99,600	
Importance Code B	$70,300	$91,300
Total	**$169,900**	**$91,300**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$16,500			$300
Interior Architecture	$11,900	$1,700	$800	$400
Electrical	$2,300	$700	$55,300	$500
Mechanical	$6,100	$1,000	$6,500	$1,300
Elevators/Escalators	$3,900	$3,900	$3,900	$3,900
Total	**$40,700**	**$7,400**	**$66,600**	**$6,300**
Importance Code A	$16,500	$300	$400	$600
Importance Code B	$14,700	$6,100	$66,200	$5,700
Importance Code C	$9,500	$1,000		
Total	**$40,700**	**$7,400**	**$66,600**	**$6,300**



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FIRE DEPARTMENT - 057

RESCUE 1

Asset # : 13227

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	25%			LIFE	* *	5	$6,800	
Masonry: Granite	70%	4+	$48,000	LIFE	* *	5	$14,200	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Wheel Guard								
Other Observation, Extent : Moderate, Area Affected : 5%								
Location : Front Facade								
Explanation : Impact Damage At Wheel Guard								
Wood Overhead Doors	5%			2042	* *	5	$6,800	
Windows								
Aluminum	100%			2045	* *	5	$600	
Parapets								
Masonry: Brick	80%			LIFE	* *	5	$1,600	
Masonry: Granite	15%			LIFE	* *	5	$400	
Metal Cornice	5%			2057	* *	10	$300	
Roof								
IRMA/Protected Membrane	95%	0-2	$11,300	2034	* *			
Insul Miss/Displaced, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Other Observation, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Explanation : Filter Sheet Below Balast Ripped And Damaged								
Skylight, Plastic	5%	0-2	$1,700	2042	* *	1		
Broken/Missing Elements, Extent : Light, Area Affected : 20%								
Location : Throughout								
Soffits								
Granite Panels	100%			LIFE	* *	5		
Interior								
Floors								
Cast in Place Concrete	35%			LIFE	* *	5	$7,700	
Ceramic Tile	15%			2038	* *	5	$1,500	
Quarry Tile	10%			2042	* *	5	$1,500	
Sheet Vinyl/Rubber	10%			2034	* *	5	$1,500	
Vinyl Tile	30%			2034	* *	3	$1,500	
Interior Walls								
Ceramic Tile	15%			2038	* *	5	$2,000	
Concrete Masonry Unit	50%			LIFE	* *	5	$2,600	
SGFT/Glazed Masonry	35%	4+	$9,500	LIFE	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Ceilings								
AcousTileSusp.Lay-In	25%			2042	* *	5	$2,500	
Gypsum Board	5%			LIFE	* *	5	$600	
Metal Panel	70%			LIFE	* *	5	$8,800	
Site Pavements								

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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

RESCUE 1

Asset # : 13227

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								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			

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								
Molded Case Bkrs	100%			2029	$5,200	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Electrical Room								
Explanation : 600 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	$52,200	5	$200	
Raceway								
Conduit	100%			2029	$33,500	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	95%			2028	$39,100	5	$200	
Wiring								
Thermoplastic	100%			2029	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2027	$5,200	1	$2,100	
Generators								
Diesel	100%			2025	$70,300	1	$2,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Generator Room								
Explanation : One 80 Kilovolt-ampere								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$200	
Fuel Storage								
Day Tank	30%			2028	$200	5	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Generator Room								
Explanation : One 60 Gallons								
Main Tank	70%			2032	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : One 550 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

RESCUE 1

Asset # : 13227

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	100%			2024	$19,400	10	$6,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Egress Lighting								
Emergency, Service	60%			2024	$2,100	1		
No Component	40%							
Exterior Lighting								
HID	100%			2024	$27,000	10		

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%			2039	* *	1		
Conversion Equipment								
Hot Water Boiler	100%	Now	$51,600	2049	* *	1	$3,000	
Malfunctioning, Extent : Moderate, Area Affected : 5%								
Location : Fresh Air Louver Damper								
Obsolete Equipment, Extent : Severe, Area Affected : 100%								
Location : Basement								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Three Hydrothermal Boilers								
Distribution								
Hot Wtr Piping/Pump	100%			2037	* *	4	$300	
Terminal Devices								
Convector/Radiator	75%	Now	$1,300	2034	* *	1	$1,500	
Other Observation, Extent : Moderate, Area Affected : 5%								
Location : Kitchen								
Explanation : Inadequate Heat								
Unit Heater - Steam	25%			2034	* *	4	$200	
Air Conditioning								
Energy Source								
Electricity	100%			2051	* *	1		
Conversion Equipment								
Window/Wall Unit	10%			2024	$1,400	1		
No Component	90%							
Terminal Devices								
Air Handler/Cool/Ht	90%			2034	* *	1	$3,700	
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

RESCUE 1

Asset # : 13227

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								
Heat Rejection								
Air Cooled Condenser Unit	90%			2034	* *	2	$4,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : Refrigerant Type 410-A								
No Component	10%							
Ventilation								
Distribution								
Ductwork/Diffusers	100%			LIFE	* *	2-5	$3,700	
Exhaust Fans								
Interior	50%	Now	$600	2029	$11,900	2	$100	
On Extended Life, Extent : Moderate, Area Affected : 15%								
Location : Kitchen								
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2039	* *	1		
Water Heater								
Gas Fired	100%			2027	$4,100	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 75 Gallon Unit								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%			2029	$1,000	4	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Pit Dual Pump								
Fixtures								
Generic	100%							
Obsolete Fixtures, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Vertical Transport								
Elevators								
Hydraulic	100%			LIFE	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement To First Floor								
Explanation : 1 Unit								
Fire Suppression								
Sprinkler								
No Component	80%							
Generic	20%			2039	* *	1-2	$400	

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

FIRE DEPARTMENT - 057

RESCUE 1

Asset # : 13227

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								
Dry	10%	Now	$2,800	2029	$2,800	1-3	$300	
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Kitchen								
Explanation : PCL-300, Needs Replacement								
No Component	80%							
Generic	10%			2024	$2,800	1-3	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Fire Extinguishers								

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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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$68,500
Interior Architecture	$39,200	$54,200
Total	**$39,200**	**$122,700**
Importance Code A		$68,500
Importance Code B	$39,200	$54,200
Total	**$39,200**	**$122,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$22,400		$17,000	$9,600
Interior Architecture	$71,600		$1,400	$1,800
Electrical	$3,500	$1,700	$2,000	$3,300
Mechanical	$8,300	$3,500	$3,900	$2,300
Total	**$105,800**	**$5,100**	**$24,300**	**$17,000**
Importance Code A	$23,400	$1,000	$18,000	$10,600
Importance Code B	$34,900	$4,200	$6,300	$5,100
Importance Code C	$47,500			$1,300
Total	**$105,800**	**$5,100**	**$24,300**	**$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.
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*** 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		
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	$6,800	
Fiberglass Panel	15%			2040	* *	5	$19,300	
Masonry: Brick	30%			LIFE	* *	5	$20,500	
Metal/Glass Curt Wall	3%			LIFE	* *	5	$3,900	
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	$5,000	
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	$3,700	2044	* *	1		
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Perimeter Near Skylights Into Office, Bunker Roof, Open Stairwell								
Modified Bitumen	10%			2036	* *	10	$2,600	
Plaza Roof: Stone Panels	10%			2051	* *			
Skylight, Metal/Glass	5%			2051	* *	10	$4,400	
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%								
Location : Kitchen Skylight								
Soffits								
Stucco Cement	100%			2044	* *	5	$18,000	
Interior								
Floors								
Cast in Place Concrete	85%	4+	$5,500	LIFE	* *	5	$54,200	
Worn/Eroded, Extent : Light, Area Affected : 20%								
Location : Apparatus Area								
Other Observation, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Area								
Explanation : Epoxy Coating Peeling Away								
Ceramic Tile	3%			2040	* *	5	$900	
Sheet Vinyl/Rubber	2%			2036	* *	5	$900	
Wood	10%	4+	$10,300	2059	* *	5	$2,700	
Worn/Eroded, Extent : Light, Area Affected : 35%								
Location : Corridors Throughout, Steps, Main Office Area								

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FIRE DEPARTMENT - 057

RESCUE 3

Asset # : 14463

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	10%			LIFE	* *	10	$13,400	
Ceramic Tile	5%			2040	* *	5	$2,700	
Concrete Masonry Unit	15%			LIFE	* *	5	$6,400	
Fiberglass Panel	30%			LIFE	* *	10	$4,000	
Glass: Single Pane	5%			LIFE	* *	5	$4,000	
Gypsum Board	20%			LIFE	* *	5-10	$18,200	
Masonry: Brick	5%			LIFE	* *	10	$800	
Steel Plate	5%			LIFE	* *	5	$3,200	
Wood	5%			LIFE	* *	5	$21,400	
Ceilings								
AcousTileSusp.Lay-In	10%			2044	* *	5	$2,800	
Exposed Struc: Steel	70%			LIFE	* *	10	$39,200	
Other Observation, Extent : Light, Area Affected : 65%								
Location : Throughout								
Explanation : This Material Is Actually Metal Decking.								
Gypsum Board	5%			LIFE	* *	5-10	$4,800	
Metal Panel	15%			LIFE	* *	5	$10,500	
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	* *			

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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : One 800 Amperes.								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2051	* *	5	$500	
Raceway								
Conduit	100%			2051	* *	1		
Panelboards								
Fused Disc Sw	5%			2047	* *	5		
Molded Case Bkrs	95%			2047	* *	5	$500	

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FIRE DEPARTMENT - 057

RESCUE 3

Asset # : 14463

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								
Wiring								
Thermoplastic	100%			2051	* *	1		
Motor Controllers								
Locally Mounted	100%			2044	* *	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$600	
Stand-by Power								
Transfer Switches								
Automatic	100%			2044	* *	1	$6,000	
Generators								
Diesel	100%			2040	* *	1	$7,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : One 250 Kilowatts								
Batteries								
Lead/Acid	100%			2025	$1,600	5	$700	
Fuel Storage								
Day Tank	50%			2047	* *	5	$1,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : One 100 Gallons								
Main Tank	50%			2059	* *	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : One 3,000 Gallons								
Lighting								
Interior Lighting								
Fluorescent	95%			2036	* *	10	$17,000	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Fluorescent	5%			2036	* *	10	$900	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Second Floor								
Egress Lighting								
Emergency, Service	50%			2036	* *	1		
Exit, LED	50%			2059	* *	1		
Exterior Lighting								
Fluorescent	20%			2036	* *	10	$400	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : Outside								
No Component	80%							
Alarm								

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

FIRE DEPARTMENT - 057

RESCUE 3

Asset # : 14463

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
Alarm								
Fire/Smoke Detection								
No Component	70%							
Generic, Digital	30%			2036	* *	1-3	$3,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Hallways And Offices								
Explanation : Smoke Detectors								

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%			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	$900	
No Component	35%							
Terminal Devices								
Convector/Radiator	30%			2048	* *	1	$1,900	
Unit Heater - Steam	40%			2039	* *	4	$1,100	
No Component	30%							
Air Conditioning								
Energy Source								
Electricity	100%			2047	* *	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	50%			2036	* *	2	$600	
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	$17,200	

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FIRE DEPARTMENT - 057

RESCUE 3

Asset # : 14463

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	50%			2039	* *	2	$300	
Roof	50%			2039	* *	2	$300	
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2057	* *	1		
Water Heater								
Gas Fired	100%			2029	$11,900	2	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Units About 125 Gallons Each								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Kitchen								
Explanation : Kitchen Sink Occasional Backup								
Sewage Ejector(s)								
Electric	100%			2036	* *	4	$800	
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	$27,900	1-3	$4,200	

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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.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

Asset Name : **SPECIAL OPERATIONS COMMAND**
Address : **750 MAIN STREET 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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$238,100	$270,600
Interior Architecture	$71,000	
Electrical		$70,300
Mechanical	$117,900	
Total	**$427,100**	**$340,900**
Importance Code A	$356,100	$270,600
Importance Code B	$71,000	$70,300
Total	**$427,100**	**$340,900**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$3,100			$4,200
Interior Architecture	$61,200	$400		$400
Electrical	$2,200	$600	$1,100	$29,400
Mechanical	$7,700	$5,500	$1,100	$5,900
Site Pavements	$19,700			
Total	**$93,900**	**$6,500**	**$2,200**	**$39,900**
Importance Code A	$3,100		$600	$4,200
Importance Code B	$41,900	$6,100	$1,600	$35,700
Importance Code C	$48,900	$400		
Total	**$93,900**	**$6,500**	**$2,200**	**$39,900**



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
SPECIAL OPERATIONS COMMAND
Asset # : 13229

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								
Concrete Masonry Unit	70%	Now	$87,800	LIFE	* *	5	$4,200	1
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Throughout								
Cracking/Crumbling, Extent : Severe, Area Affected : 40%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 40%								
Location : Throughout								
Staining/Discoloring, Extent : Severe, Area Affected : 30%								
Location : Sides And Rear								
Metal Panel	20%	Now	$1,500	2050	* *	5	$3,600	1
Corrosion/Rusting, Extent : Severe, Area Affected : 90%								
Location : Entrance, West Side								
Wood Overhead Doors	10%	2-4	$1,600	2043	* *	5	$2,400	
Split/Cracked, Extent : Light, Area Affected : 5%								
Location : Right Side Door								
Windows								
Aluminum	100%	Now	$96,200	2055	* *	5	$1,100	
Air Infiltration, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Glazing Broken/Cracked, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Caulking Deteriorated, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Parapets								
Metal Panel	100%			2050	* *	5	$8,400	
Roof								
Modified Bitumen	100%	Now	$54,100	2030	$270,600			
Patching Evident, Extent : Light, Area Affected : 10%								
Location : Throughout Upper And Lower Roofs								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : At Roof Units Over Kitchen And Toilets / Shower								
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
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		
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	$13,300	LIFE	* *	5	$13,100	
Water Penetration, Extent : Moderate, Area Affected : 20%								
Location : Throughout Basement, Ground Water Penetration								
Ceramic Tile	5%	Now	$1,000	2039	* *	5	$200	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Toilets								
Quarry Tile	5%	Now	$1,500	2043	* *	5	$400	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Kitchen								
Vinyl Tile	30%	Now	$13,600	2030	$27,100	3	$1,100	
Adhesion Failure, Extent : Severe, Area Affected : 50%								
Location : Basement								
Water Penetration, Extent : Severe, Area Affected : 80%								
Location : Basement								
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Other Observation, Extent : Light, Area Affected : 20%								
Location : 2nd Floor								
Explanation : Mezzanine								
Interior Walls								
Cast in Place Concrete	10%	Now	$29,200	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : Throughout Basement, Ground Water Penetration								
Ceramic Tile	5%			2033	* *	5	$700	
Concrete Masonry Unit	50%			LIFE	* *	5	$2,900	
Plywood/Hardboard	5%			LIFE	* *			
SGFT/Glazed Masonry	30%			LIFE	* *			
Ceilings								
AcousTileConcealSpLn	30%	Now	$2,600	2035	* *	5	$1,900	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Exposed Concrete	20%			LIFE	* *	5	$300	
Gypsum Board	10%			LIFE	* *	5	$1,200	
Metal Panel	40%	Now	$71,000	LIFE	* *	5	$5,000	
Bent/Warped Elements, Extent : Severe, Area Affected : 60%								
Location : Throughout Apparatus Room And Lounge								
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Apparatus Room And Lounge								
Deformed/Dented, Extent : Severe, Area Affected : 30%								
Location : Throughout Apparatus Room And Lounge								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Apparatus Room And Lounge								
Explanation : Ceiling Panels Are At The End Of Their Useful Life								
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
SPECIAL OPERATIONS COMMAND
Asset # : 13229

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 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	$19,700	2033	* *			
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Main Driveway For Apparatus								

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%			2050	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Service Room								
Explanation : Two 400 Ampere Service Switches								
Transformers								
Dry Type	100%			2028	$16,900	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Service Room								
Explanation : One 225 Kilovolt-ampere Unit - Very Noisy								
Switchgear / Switchboard								
Fused Disc Sw	100%			2040	* *	5		
Raceway								
Conduit	100%			2040	* *	1		
Panelboards								
Molded Case Bkrs	100%			2038	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout Building								
Explanation : Panels Are Okay. However, Circuit Breakers Are Tripping Due To Circuit Overloading.								
Wiring								
Braided Cloth	5%			2029	$1,500	1		
Thermoplastic	95%			2040	* *	1		
Motor Controllers								
Locally Mounted	90%			2035	* *	5		
Motor Control Center	10%			2035	* *	5		
Ground								

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FIRE DEPARTMENT - 057
SPECIAL OPERATIONS COMMAND
Asset # : 13229

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
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Water Meter Room								
Explanation : Ground Connection								
Stand-by Power								
Transfer Switches								
Automatic	100%			2028	$5,200	1	$2,100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Service Room								
Explanation : Zenith Type Switch								
Generators								
Diesel	100%			2026	$70,300	1	$2,600	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement, Generator Room								
Explanation : 225 Kilovolt-ampere Unit.								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$200	
Fuel Storage								
Day Tank	100%			2029	$500	5	$1,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Room								
Explanation : 60 Gallon Tank								
Lighting								
Interior Lighting								
Fluorescent	5%			2025	$1,000	10	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout Building								
Explanation : Old T-12 Lighting Fixtures Are Still Found At Several Areas Of The Building.								
LED	95%			2040	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout Building								
Explanation : In 2018 Most Lighting Fixtures Were Replaced With LED Type Fixtures.								
Egress Lighting								
Exit, Service	100%			2025	$800	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout Building								
Explanation : Main Power Lights								
Exterior Lighting								
HID	100%			2025	$26,800	10		

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								

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FIRE DEPARTMENT - 057
SPECIAL OPERATIONS COMMAND
Asset # : 13229

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								
Electricity	100%			2050	* *	1		
Conversion Equipment								
Radiant Heater	100%	Now	$117,900	2040	* *	2	$2,500	
Not in Service, Extent : Light, Area Affected : 10%								
Location : 1st Floor								
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st And Mezzanine Floors								
Explanation : 10 Electric Heaters								
Air Conditioning								
Energy Source								
Electricity	100%			2038	* *	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	10%			2030	$8,300	2		
Split Unit	20%			2035	* *			
Window/Wall Unit	40%			2023	$5,500	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st And Mezzanine Floors								
Explanation : Window Units								
No Component	30%							
Ventilation								
Distribution								
Ductwork/Diffusers	30%	Now	$5,500	LIFE	* *	2-5	$1,100	
Broken, Extent : Moderate, Area Affected : 40%								
Location : Cabinet Fan In Basement								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Mechanical Room								
Explanation : Trane Ceiling Cabinet Fan								
No Component	70%							
Exhaust Fans								
Roof	100%	Now	$2,200	2030	$11,100	2	$200	
Broken, Extent : Moderate, Area Affected : 10%								
Location : Kitchen Exhaust Fan								
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2040	* *	1		
Water Heater								
Electric	100%			2025	$5,900	4		
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2024	$200	4	$100	
Fixtures								
Generic	100%							

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FIRE DEPARTMENT - 057
SPECIAL OPERATIONS COMMAND
Asset # : 13229

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Interior Architecture	$88,700	
Mechanical		$48,700
Total	**$88,700**	**$48,700**
Importance Code B	$46,200	$48,700
Importance Code C	$42,500	
Total	**$88,700**	**$48,700**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$51,700	$4,600		$5,700
Interior Architecture	$22,000	$800		$200
Electrical		$100		$800
Mechanical	$4,900	$1,100	$900	$5,600
Total	**$78,600**	**$6,600**	**$900**	**$12,300**
Importance Code A	$53,500	$5,100	$600	$6,400
Importance Code B	$25,100	$1,400	$300	$5,900
Importance Code C				
Total	**$78,600**	**$6,600**	**$900**	**$12,300**



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FIRE DEPARTMENT - 057

SQUAD 1

Asset # : 13230

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	78%			LIFE	* *	5	$17,900	
Paint Peeling, Extent : Light, Area Affected : 25%								
Location : East And West Facades								
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	$6,900	2046	* *	5	$300	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Wood	10%	Now	$1,700	2055	* *	5	$300	
Dry Rot/Decay, Extent : Moderate, Area Affected : 25%								
Location : North Facade								
Parapets								
Cast Stone/Terra Cotta	20%	Now	$4,700	LIFE	* *	5	$2,700	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Caulking Deteriorated, Extent : Moderate, Area Affected : 10%								
Location : Upper Roof								
Masonry: Brick	20%	Now	$21,300	LIFE	* *	5	$300	
Diagonal Cracks, Extent : Moderate, Area Affected : 10%								
Location : Throughout Upper Roof								
Vertical Cracks, Extent : Moderate, Area Affected : 10%								
Location : Throughout Upper Roof								
Masonry: Brick	60%			LIFE	* *	5	$1,000	
Roof								
Built-Up (BUR)	90%			2035	* *	10	$4,900	
Skylight, Metal/Glass	10%	Now	$17,100	2050	* *			
Glazing Broken/Cracked, Extent : Moderate, Area Affected : 10%								
Location : TV Room, Second Floor Toilet								
Interior								
Floors								
Cast in Place Concrete	45%	Now	$1,900	LIFE	* *	5	$7,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Floor At Trench Drain								
Quarry Tile	11%	Now	$2,500	2043	* *	5	$600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Kitchen And Toilet Throughout								
Vinyl Tile	22%	0-2	$300	2035	* *	3	$600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Toilet Doorway								
Wood	22%	Now	$17,400	2058	* *	5	$1,500	
Worn/Eroded, Extent : Moderate, Area Affected : 30%								
Location : 3rd Floor Throughout								

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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

SQUAD 1

Asset # : 13230

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	38%	Now	$42,500	2039	* *	5	$2,400	
Broken/Missing Elements, Extent : Severe, Area Affected : 15%								
Location : Apparatus Room And Staircase Throughout								
Masonry: Brick	22%			LIFE	* *			
Paint Peeling, Extent : Light, Area Affected : 20%								
Location : Throughout Basement								
Plaster	40%			LIFE	* *	5	$1,500	
Ceilings								
AcousTileSusp.Lay-In	20%			2043	* *	5	$1,600	
Embossed Metal	20%			LIFE	* *	5	$700	
Paint Peeling, Extent : Light, Area Affected : 10%								
Location : Apparatus Floor								
Exposed Struc: Steel	25%	Now	$46,200	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 15%								
Location : Basement Below Sidewalk								
Metal Panel	5%			LIFE	* *	5	$500	
Plaster	30%			LIFE	* *	5	$1,500	
Paint Peeling, Extent : Moderate, Area Affected : 5%								
Location : 3rd Floor Rear Wall								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2035	* *			

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								
Molded Case Bkrs	100%			2030	$5,200	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Ampere Main Disconnect Switch								
Raceway								
Conduit	95%			2030	$31,800	1		
Conduit	5%			2050	* *	1		
Panelboards								
Molded Case Bkrs	100%			2038	* *	5	$200	
Wiring								
Thermoplastic	100%			2040	* *	1		
Motor Controllers								
Locally Mounted	100%			2028	$15,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	

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FIRE DEPARTMENT - 057

SQUAD 1

Asset # : 13230

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	90%			2030	$14,900	10	$4,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Incandescent	1%			2030	$400	2		
LED	9%			2038	* *			
Egress Lighting								
Exit, Service	100%			2025	$700	1		
Exterior Lighting								
LED	100%			2038	* *			
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Building Perimeter								

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%			2050	* *	1		
Conversion Equipment								
Steam Boiler	100%	Now	$1,800	2035	* *	1	$5,100	
Malfunctioning, Extent : Moderate, Area Affected : 10%								
Location : Boiler Control System								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Boiler Room								
Explanation : One Unit								
Distribution								
Steam Piping/Pump	100%			2040	* *			
Terminal Devices								
Convector/Radiator	100%			2028	$30,600	1	$1,800	
Air Conditioning								
Energy Source								
Electricity	100%			2046	* *	1		
Conversion Equipment								
Split Unit	40%			2030	$48,700			
Window/Wall Unit	40%			2025	$4,800	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								

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FIRE DEPARTMENT - 057

SQUAD 1

Asset # : 13230

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%			2040	* *	1		
Water Heater								
Gas Fired	100%			2028	$3,500	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 74 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2023	$200	4	$200	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Dry	10%	Now	$2,800	2030	$2,800	1-3	$300	
Not in Service, Extent : Severe, Area Affected : 100%								
Location : Obsolete Unit - Kitchen								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Model Rg-2.5g								
No Component	80%							
Generic	10%			2028	$2,800	1-3	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Fire Extinguishers								

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture		$38,000
Electrical		$41,200
Total		**$79,100**
Importance Code A		$38,000
Importance Code B		$41,200
Total		**$79,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture		$2,500		$5,700
Interior Architecture	$10,800	$2,500	$3,000	$900
Electrical	$500	$600	$600	$28,000
Mechanical	$4,500	$1,000	$900	$1,500
Site Enclosure	$400			
Total	**$16,300**	**$6,600**	**$4,600**	**$36,200**
Importance Code A	$700	$3,200	$700	$6,400
Importance Code B	$9,300	$3,400	$2,000	$29,800
Importance Code C	$6,300		$1,800	
Total	**$16,300**	**$6,600**	**$4,600**	**$36,200**



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FIRE DEPARTMENT - 057

SQUAD 18

Asset # : 14075

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 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	$29,000	3	$1,200	
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	$5,800	LIFE	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%								
Location : Basement By Sidewalk Hatch Area								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 2%								
Location : Basement By Sidewalk Hatch Area								
Marble Panels	2%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	10%			2035	* *	5	$1,100	
Embossed Metal	25%	4+	$5,000	LIFE	* *	5	$1,200	
Deformed/Dented, Extent : Severe, Area Affected : 20%								
Location : Throughout Apparatus Room								
Paint Peeling, Extent : Severe, Area Affected : 20%								
Location : Throughout Apparatus Room								
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+	$400	2040	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Cement Stucco Finish Located At Rear Yard Area								
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		
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	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2035	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2043	* *			

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%			2030	$5,200	5		
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 A 200 Amperes Switch.								
Raceway								
Conduit	70%			2030	$23,400	1		
Conduit	30%			2040	* *	1		
Panelboards								
Molded Case Bkrs	100%			2029	$41,200	5	$200	
Wiring								
Thermoplastic	30%			2040	* *	1		
Thermoplastic	70%			2030	$20,700	1		
Motor Controllers								
Locally Mounted	100%			2035	* *	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2043	* *	1	$2,200	
Generators								
Diesel	100%			2043	* *	1	$2,800	
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	$1,600	5	$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : The Batteries Are In Good Condition.								
Fuel Storage								
Main Tank	100%			2058	* *	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.
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*** 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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Interior Lighting								
Fluorescent	95%			2025	$19,600	10	$6,200	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : 1st, 2nd, 3rd Floors And Basement								
Incandescent	5%			2030	$2,400	2		
Other Observation, Extent : Light, Area Affected : 100%								
Location : 3rd Floor								
Explanation : Lounge Area								
Exterior Lighting								
Incandescent	30%			2030	$7,300	2		
Other Observation, Extent : Light, Area Affected : 100%								
Location : In Front And Rear								
Explanation : Controlled Via Timer								
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								
Energy Source								
Natural Gas	100%			2050	* *	1		
Conversion Equipment								
Steam Boiler	100%			2043	* *	1	$7,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Mechanical Equipment Room								
Explanation : 1-boiler								
Distribution								
Steam Piping/Pump	100%			2040	* *			
Terminal Devices								
Convector/Radiator	95%			2035	* *	1	$2,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Through 3rd Floors								
Explanation : One Pipe Steam System								
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	$2,400	2029	$8,100	1		
Other Observation, Extent : Light, Area Affected : 30%								
Location : 1st, 2nd And 3rd Floors								
Explanation : 30 Percent Failure Of Units								
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		
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								
Gas Fired	100%			2028	$4,300	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1-75 Gallon Tank								
Sanitary Piping								
Cast Iron	100%	4+	$1,000	LIFE	* *	1		
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Explanation : Recent Repair Made In Response To Leaking Was Not A Full Replacement And Future Leakage Is Anticipated								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%	4+	$100	2030	$1,100	4	$200	
Other Observation, Extent : Light, Area Affected : 10%								
Location : Basement								
Explanation : Operable But In Need Of Replacement Soon								
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
Wet	2%			2025	$600	1-3	$100	
Other Observation, Extent : Light, Area Affected : 2%								
Location : 1st Floor								
Explanation : Over Range								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **13-Jun-2018**	**Landmark Status**	: **EXTERIOR LANDMARK**
Areas Surveyed	: **Basement, Roof, Floors 1,2,3**		
Block	: **3429** **Lot** : **3**	**BIN**	: **3079480**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Electrical		$93,900
Total		**$93,900**
Importance Code B		$93,900
Total		**$93,900**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$80,200			$100
Interior Architecture	$27,500	$200		$600
Electrical	$300	$300	$6,100	$300
Mechanical	$2,700	$800	$6,800	$600
Site Enclosure	$1,400			
Total	**$112,100**	**$1,400**	**$12,900**	**$1,500**
Importance Code A	$80,600	$400	$500	$500
Importance Code B	$27,500	$900	$12,400	$1,000
Importance Code C	$3,900	$100		
Total	**$112,100**	**$1,400**	**$12,900**	**$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

SQUAD 252

Asset # : 13142

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								
Alum/Vinyl Siding	2%			2049	* *	10		
Masonry: Brick	73%	Now	$20,800	LIFE	* *	5	$3,000	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 50%								
Location : Front Facade								
Masonry: Brownstone	10%	0-2	$4,500	LIFE	* *	5	$300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Front Facade								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Main Facade								
Masonry: Sandstone	10%	0-2	$16,300	LIFE	* *	5	$300	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
Location : Main Facade								
Wood Overhead Doors	5%			2042	* *	5	$1,000	
Windows								
Aluminum	60%			2045	* *	5	$100	
Wood	40%	0-2	$1,200	2045	* *	5	$400	
Air Infiltration, Extent : Light, Area Affected : 10%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	5%			LIFE	* *	5	$800	
Cast Stone/Terra Cotta	15%			LIFE	* *	5	$2,500	
Masonry: Brick	80%	Now	$22,900	LIFE	* *	5	$1,700	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%								
Location : Throughout								
Misaligned/Bulging, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Roof								
Asphalt Shingle	5%	Now	$900	2044	* *			
Water Penetration, Extent : Light, Area Affected : 20%								
Location : 3rd Floor Toilet								
Metal Panel	10%			2042	* *	10	$800	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Explanation : Metal Is Formed And Colored To Replicate Clay Tiles								
Modified Bitumen	85%	0-2	$12,300	2034	* *			
Blisters, Extent : Light, Area Affected : 20%								
Location : Throughout								
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.
*** 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		
System / Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Carpet	5%	Now	$900	2028	$4,700	3	$500	
Worn/Eroded, Extent : Light, Area Affected : 25%								
Location : Throughout								
Cast in Place Concrete	30%			LIFE	* *	5	$4,200	
Ceramic Tile	5%			2038	* *	5	$300	
Quarry Tile	5%			2042	* *	5	$500	
Vinyl Tile	50%	Now	$1,600	2034	* *	3	$1,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor								
Wood	5%	0-2	$6,100	2057	* *	5	$300	
Deteriorated Finish, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Interior Walls								
Ceramic Tile	5%			2038	* *	5	$100	
Ceramic Tile	5%			2042	* *	5	$100	
Gypsum Board	5%			LIFE	* *	5	$100	
Masonry: Brick	30%			LIFE	* *			
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
Location : Basement								
Plaster	20%	0-2	$500	LIFE	* *	5	$200	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
SGFT/Glazed Masonry	30%	0-2	$1,900	LIFE	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Wood	5%			LIFE	* *	5	$600	
Ceilings								
AcousTileSusp.Lay-In	5%	Now	$100	2034	* *	5	$200	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Toilets								
AcousTileSusp.Lay-In	10%			2046	* *	5	$600	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Embossed Metal	45%	Now	$14,600	LIFE	* *	5	$1,300	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Throughout								
Corrosion/Rusting, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor								
Exposed Struc: Steel	25%			LIFE	* *			
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : Throughout								
Plaster	15%	0-2	$1,400	LIFE	* *	5	$600	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								

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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

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 Enclosure								
Fence/Gates								
Chain Link	50%			2049	* *			
Wood	50%	0-2	$1,400	2030	$13,800			
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : Throughout								
Free Standing Walls								
Cast in Place Concrete	100%			2064	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2034	* *			
Parking/Driveway								
Asphalt	80%			2038	* *			
Cast in Place Concrete	20%			2042	* *			

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%			2029	$5,600	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	$56,700	5	$100	
Raceway								
Conduit	90%			2029	$32,700	1		
Conduit	10%			2049	* *	1		
Panelboards								
Molded Case Bkrs	10%			2028	$4,500	5		
Molded Case Bkrs	20%			2037	* *	5		
Molded Case Bkrs	70%			2051	* *	5	$100	
Wiring								
Thermoplastic	90%			2029	$29,000	1		
Thermoplastic	10%			2049	* *	1		
Motor Controllers								
Locally Mounted	100%			2027	$16,700	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2046	* *	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

SQUAD 252

Asset # : 13142

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
Stand-by Power								
Generators								
Diesel	100%			2042	* *	1	$1,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outdoor Enclosure								
Explanation : One 62 Kilowatt Generator								
Batteries								
Lead/Acid	100%			2024	$1,700	5	$200	
Fuel Storage								
Day Tank	100%			2051	* *	5	$800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outdoor At Generator								
Explanation : One 125 Gallons								
Lighting								
Interior Lighting								
Fluorescent	85%			2034	* *	10	$3,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Fluorescent	10%			2034	* *	10	$400	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
Location : First Floor Lounge Area								
LED	5%			2037	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Second Floor Locker Room								
Explanation : LED Lighting								
Egress Lighting								
Emergency, Service	50%			2034	* *	1		
Emergency, Battery	20%			2037	* *	10	$200	
Exit, Service	30%			2029	$200	1		
Exterior Lighting								
HID	100%			2037	* *	10		

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%			2049	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$4,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 1 Unit								
Distribution								
Steam Piping/Pump	100%			2049	* *			

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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	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								
Convector/Radiator	100%			2034	* *	1	$1,500	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Split Unit	20%			2037	* *			
Split Unit	2%	Now	$2,100	2039	* *			
Broken, Extent : Severe, Area Affected : 100%								
Location : Roof								
Window/Wall Unit	60%			2024	$6,100	1		
Window/Wall Unit	10%			2027	$1,000	1		
No Component	8%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2-5	$500	
No Component	80%							
Exhaust Fans								
Roof	20%			2034	* *	2		
No Component	80%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2049	* *	1		
No Water Meter, Extent : Light, Area Affected : 100%								
Location : Basement								
Water Heater								
Gas Fired	100%			2027	$3,000	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 74 Gallon Units								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2023	$200	4	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 Sets								
Fixtures								
Generic	100%							
Fire Suppression								

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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

SQUAD 252

Asset # : 13142

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	98%							
Generic	2%			2027	$600	1-3	$100	
Other Observation, Extent : Light, Area Affected : 2% *Location : 1st Floor Kitchen* *Explanation : Over Stove*								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future 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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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **15-Nov-2016**	**Landmark Status**	: **NONE**
Areas Surveyed	: **Basement, Roof, Floors 1,2,3**		
Block	: **9375** **Lot** : **7**	**BIN**	: **4196913**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$217,300	$39,800
Interior Architecture	$299,700	
Electrical	$4,700	$176,600
Mechanical		$108,700
Total	**$521,600**	**$325,100**
Importance Code A	$217,300	$39,800
Importance Code B	$304,400	$285,300
Total	**$521,600**	**$325,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$58,000	$1,800		
Interior Architecture	$88,400	$4,400		$500
Electrical	$4,700	$4,600	$2,900	$2,700
Mechanical	$8,600	$36,100	$4,300	$2,100
Total	**$159,600**	**$46,900**	**$7,200**	**$5,300**
Importance Code A	$59,400	$3,600	$1,400	$1,600
Importance Code B	$58,600	$43,300	$5,800	$3,700
Importance Code C	$41,600			
Total	**$159,600**	**$46,900**	**$7,200**	**$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

SQUAD 270

Asset # : 14076

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	82%	Now	$217,300	LIFE	* *	5	$13,500	
Cracking/Crumbling, Extent : Severe, Area Affected : 15%								
Location : North And South And East Facades, Throughout								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 75%								
Location : North And South And East Facades, Throughout								
Water Penetration, Extent : Severe, Area Affected : 40%								
Location : North And South And East Facades, Throughout								
Masonry: Granite	5%	Now	$10,400	LIFE	* *	5	$600	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : West Facade								
Spalling, Extent : Moderate, Area Affected : 25%								
Location : West Facade								
Worn/Eroded, Extent : Moderate, Area Affected : 10%								
Location : West Facade								
Masonry: Limestone	5%	Now	$4,800	LIFE	* *	5	$600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : West Facade								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : West Facade								
Spalling, Extent : Light, Area Affected : 10%								
Location : West Facades								
Wood Overhead Doors	4%			2048	* *	5	$3,300	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : West facade								
Wood Overhead Doors	4%			2041	* *	5	$3,300	
Windows								
Aluminum	100%	Now	$14,100	2044	* *	5	$1,600	
Air Infiltration, Extent : Light, Area Affected : 10%								
Location : Throughout								
Parapets								
Masonry: Brick	18%	Now	$16,700	LIFE	* *	5	$300	
Water Penetration, Extent : Severe, Area Affected : 100%								
Location : Set Back Roof, Back Of Building.								
Metal Panel	5%			2048	* *	5	$300	
Metal Panel	2%			2038	* *	5	$100	
Not Accessible	70%							
Not Accessible	5%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : 3rd Floor Roof								
Explanation : No Access To 3rd Floor Roof.								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Roof								
Modified Bitumen	20%	Now	$12,000	2028	$39,800			
Blisters, Extent : Moderate, Area Affected : 20%								
Location : Set Back Roof								
Water Penetration, Extent : Moderate, Area Affected : 30%								
Location : Set Back Roof								
Not Accessible	80%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : 3rd Floor Roof, Main Roof								
Explanation : No Access To 3rd Floor Roof.								
Interior								
Floors								
Cast in Place Concrete	35%	Now	$93,400	LIFE	* *	5	$18,400	
Cracking/Crumbling, Extent : Severe, Area Affected : 40%								
Location : Apparatus Floor								
Deflection Evident, Extent : Moderate, Area Affected : 25%								
Location : Apparatus Floor								
Ceramic Tile	5%			2037	* *	5	$1,200	
Quarry Tile	2%			2048	* *	5	$700	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : 2nd Floor Division 13								
Quarry Tile	3%			2041	* *	5	$1,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor Squad 270								
Explanation : 1st Floor Squad 270								
Vinyl Tile	15%	Now	$32,700	2038	* *	3	$1,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : First And Third Floor, Distric Offic 13.								
Vinyl Tile	15%			2038	* *	3	$1,400	
Recent Replace Evident, Extent : Light, Area Affected : 100%								
Location : 2nd And 3rd Floor Division 13								
Under Construction	25%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : 1st And 2nd Floor Squad 270								
Explanation : 1st And 2nd Floor Squad 270								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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%			2037	* *	5	$800	
Concrete Masonry Unit	5%	Now	$900	LIFE	* *	5	$300	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Basment								
Gypsum Board	25%			LIFE	* *	5	$2,400	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : 2nd And 3rd Floors Division 13								
Masonry: Brick	15%	Now	$30,000	LIFE	* *			
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 50%								
Location : Basment								
Plaster	25%	Now	$10,300	LIFE	* *	5	$1,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : First And Third Floor, Distric Offic 13, 1st Floor Squad 270								
Under Construction	25%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : 1st And 2nd Floor Squad 270								
Explanation : 1st And 2nd Floor Squad 270								
Ceilings								
AcousTileSusp.Lay-In	5%			2033	* *	5	$1,200	
AcousTileSusp.Lay-In	25%			2048	* *	5	$6,000	
Recent Installation, Extent : Light, Area Affected : 100%								
Location : 2nd And 3rd Floor Division 13								
Exposed Concrete	25%	Now	$206,300	LIFE	* *	5	$900	
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	20%	Now	$13,500	LIFE	* *	5	$3,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Third Floor, Distric Offic 13								
Paint Peeling, Extent : Moderate, Area Affected : 20%								
Location : Third Floor, Distric Offic 13								
Water Penetration, Extent : Moderate, Area Affected : 30%								
Location : Third Floor, Distric Offic 13								
Under Construction	25%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : 1st And 2nd Floor Squad 270								
Explanation : 1st And 2nd Floor Squad 270								
Site Pavements								
Parking/Driveway								
Cast in Place Concrete	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

SQUAD 270

Asset # : 14076

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								
Molded Case Bkrs	100%			2028	$5,200	5	$400	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement/ Electrical Room								
Explanation : Main Service Disconnect Switch Rated At 500 Amperes.								
Switchgear / Switchboard								
Fused Disc Sw	100%			2028	$52,200	5	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement / Electrical Room								
Explanation : 1 Vertical Section Only								
Raceway								
Conduit	70%			2028	$23,400	1		
Conduit	30%			2054	* *	1		
Panelboards								
Fused Disc Sw	20%			2027	$8,200	5	$100	
Molded Case Bkrs	50%			2027	$20,600	5	$200	
Molded Case Bkrs	30%			2050	* *	5	$100	
Wiring								
Thermoplastic	70%			2028	$20,700	1		
Thermoplastic	30%			2054	* *	1		
Motor Controllers								
Locally Mounted	100%			2026	$15,400	5	$100	
Ground								
Grounding Devices								
Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : It Is Assumed That The Electrical System Of This Building Is Grounded As Per Code Requirement								
Stand-by Power								
Transfer Switches								
Automatic	100%			2033	* *	1	$4,900	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Basement								
Explanation : No Available Nameplate Ratings								
Generators								
Diesel	100%			2031	$70,300	1	$6,200	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Outside								
Explanation : Emergency Generator Rated At 60 Kilowatts								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$600	
Fuel Storage								
Main Tank	100%			2043	* *	5	$500	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Outside								
Explanation : 50 Gallons Rated Capacity								

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

SQUAD 270

Asset # : 14076

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	70%			2036	* *	10	$10,300	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Basement, 1st, 2nd, 3rd Floor Division Office								
Fluorescent	10%			2023	$4,700	10	$1,500	
T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%								
Location : 3rd Floor District Office								
Fluorescent	5%			2028	$2,300	10	$700	
Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%								
Location : 1st Floor Kitchen And Lounge								
LED	15%			2036	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor Squad 270								
Explanation : LED Light Fixtures								
Egress Lighting								
Emergency, Battery	50%			2036	* *	10	$1,900	
Exit, Service	50%			2036	* *	1		
Exterior Lighting								
HID	50%			2028	$32,400	10		
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Front Of The Building								
Explanation : 2- HID Fixtures								
LED	50%			2036	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front Of The Building								
Explanation : 2 LED Fixtures								
Alarm								
Security System								
Generic	100%			2028	$51,800	1	$6,000	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Front Of The Building								
Explanation : 4 CCTV Surveillance Cameras								
Fire/Smoke Detection								
Generic, Analog	100%			2036	* *	1-3	$9,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 3rd And 2nd Floor								
Explanation : Smoke Detectors Only								

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								
Electricity	10%			2038	* *	1		
Natural Gas	90%			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

SQUAD 270

Asset # : 14076

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								
Radiant Heater	10%			2033	* *	2	$700	
Other Observation, Extent : Light, Area Affected : 10%								
Location : Garage Area								
Explanation : 2 Units								
Steam Boiler	90%			2045	* *	1	$14,300	
Other Observation, Extent : Light, Area Affected : 90%								
Location : Basement								
Explanation : Good Condition								
Distribution								
Central Plant Steam Piping/Pmp	40%			2028	$108,700	4	$300	
No Component	10%							
Under Construction	50%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Half Of The Building Is Under Renovation								
Terminal Devices								
Convector/Radiator	40%			2026	$34,400	1	$2,100	
No Component	10%							
Under Construction	50%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Half Of The Building Is Under Renovation								
Air Conditioning								
Energy Source								
Electricity	100%			2036	* *	1		
Conversion Equipment								
Exterior Pkg Unit - Cooling	20%			2033	* *	2	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Explanation : Serves Half Of The 2nd Floor Only								
Window/Wall Unit	20%			2022	$6,700	1		
No Component	10%							
Under Construction	50%							
Other Observation, Extent : Light, Area Affected : 0%								
Location : 2nd Floor								
Explanation : 2nd Floor Of The Building Is Under Renovation								

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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

SQUAD 270

Asset # : 14076

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								
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2	$4,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Explanation : Serves Half Of The 2nd Floor Only								
Ductwork/Diffusers	20%			LIFE	* *	2	$4,200	
Recent Installation, Extent : Light, Area Affected : 20%								
Location : 2nd Floor								
No Component	60%							
Terminal Devices								
No Component	80%							
Under Construction	20%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Half Of The Building Is Under Renovation								
Heat Rejection								
No Component	80%							
Under Construction	20%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Half Of The Building Is Under Renovation								
Ventilation								
Distribution								
No Component	50%							
Under Construction	50%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Half Of The Building Is Under Renovation								
Exhaust Fans								
Wall Unit	15%			2023	$900	2	$100	
No Component	35%							
Under Construction	50%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Half Of The Building Is Under Renovation								
Plumbing								
H/C Water Piping								
Brass/Copper	50%			2038	* *	1		
No Water Meter, Extent : Light, Area Affected : 100%								
Location : Basement								
Under Construction	50%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Half Of The Building Is Under Renovation								

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

SQUAD 270

Asset # : 14076

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								
Gas Fired	50%			2023	$4,900	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 2 - 75 Gallon Units								
Under Construction	50%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Half Of The Building Is Under Renovation								
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%			2028	$2,400	4	$300	
Fixtures								
Under Construction	50%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : Half Of The Building Is Under Renovation								
Generic	50%							
Fire Suppression								
Chemical System								
Generic	100%			2023	$27,900	1-3	$3,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : 1st Floor Kitchen								
Explanation : 1st Floor Kitchen								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$868,500	
Interior Architecture	$100,600	
Mechanical		$47,100
Total	**$969,200**	**$47,100**
Importance Code A	$868,500	
Importance Code B	$100,600	$47,100
Total	**$969,200**	**$47,100**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$27,700			
Interior Architecture	$81,200		$400	$900
Electrical	$14,900			
Mechanical	$19,400	$1,200	$7,800	$1,200
Site Enclosure	$11,100			
Site Pavements	$500			
Total	**$154,800**	**$1,200**	**$8,300**	**$2,200**
Importance Code A	$36,000	$900	$900	$900
Importance Code B	$65,700	$400	$7,400	$900
Importance Code C	$53,200			$400
Total	**$154,800**	**$1,200**	**$8,300**	**$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

SQUAD 288 HAZARDOUS MATERIAL UNIT

Asset # : 13174

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	5%	Now	$11,900	LIFE	* *	5	$4,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : South Facade								
Recent Repair Evident, Extent : Light, Area Affected : 100%								
Location : South Facade								
Water Penetration, Extent : Severe, Area Affected : 25%								
Location : South Facade								
Copper/Terne	2%	Now	$60,300	2081	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 80%								
Location : Cornice At Front								
Deformed/Dented, Extent : Severe, Area Affected : 50%								
Location : Cornice At Front Facade								
Seams Open/Split, Extent : Severe, Area Affected : 40%								
Location : Cornice At Front Facade								
Masonry: Brick	80%	Now	$508,600	LIFE	* *	5	$15,800	1
Cracking/Crumbling, Extent : Severe, Area Affected : 75%								
Location : North, South And East Facades								
Diagonal Cracks, Extent : Moderate, Area Affected : 20%								
Location : North, South And East Facades								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 30%								
Location : All Facades								
Paint Peeling, Extent : Severe, Area Affected : 15%								
Location : All Painted Facades								
Painted Surfaces, Extent : Moderate, Area Affected : 90%								
Location : All Facades Except Front Facade								
Vertical Cracks, Extent : Severe, Area Affected : 15%								
Location : North, South And East Facades								
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : Throughout Second Floor And Basement								
Masonry: Granite	3%			LIFE	* *	5	$900	
Masonry: Limestone	5%	Now	$11,500	LIFE	* *	5	$700	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Front Facade								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 30%								
Location : Front Facade								
Wood Overhead Doors	5%			2036	* *	5	$4,900	
Windows								
Aluminum	100%	Now	$99,400	2056	* *	5	$1,100	
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Water Penetration, Extent : Severe, Area Affected : 50%								
Location : Second Floor Windows At Openings								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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 288 HAZARDOUS MATERIAL UNIT

Asset # : 13174

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	$3,400	LIFE	* *	5	$1,900	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 25%								
Location : Throughout								
Masonry: Brick	85%	Now	$39,200	LIFE	* *	5	$2,100	1
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 35%								
Location : Throughout								
Vertical Cracks, Extent : Severe, Area Affected : 15%								
Location : All Parapets								
Pre-Cast Concrete	5%	Now	$500	LIFE	* *	5	$800	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Coping At Main Roof								
Roof								
Modified Bitumen	100%	Now	$161,100	2041	* *			
Alligatoring, Extent : Severe, Area Affected : 25%								
Location : At Seams								
Water Penetration, Extent : Moderate, Area Affected : 25%								
Location : All Roofs At Parapets								
Worn/Eroded, Extent : Severe, Area Affected : 15%								
Location : All Pitchpockets Are Failed								
Other Observation, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Explanation : Caulk At Flashing								
Interior								
Floors								
Cast in Place Concrete	50%	Now	$39,500	LIFE	* *	5	$13,000	
Cracking/Crumbling, Extent : Severe, Area Affected : 60%								
Location : Apparatus Floor								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : Steel Columns Shoring Up Apparatus Room Floor From Basement								
Ceramic Tile	10%	Now	$500	2040	* *	5	$600	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Kitchen								
Quarry Tile	5%			2044	* *	5	$900	
Terrazzo	3%	0-2	$1,800	LIFE	* *	5	$300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Stairwell								
Vinyl Tile	32%	Now	$17,200	2036	* *	3	$1,400	
Worn/Eroded, Extent : Severe, Area Affected : 50%								
Location : 2nd Floor								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057

SQUAD 288 HAZARDOUS MATERIAL UNIT

Asset # : 13174

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	$5,500	LIFE	* *			
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Front Wall Near Electrical Panels								
Ceramic Tile	20%	Now	$19,200	2034	* *	5	$1,600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 30%								
Location : Throughout Apparatus Room								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%								
Location : Apparatus Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 60%								
Location : Apparatus Floor								
Ceramic Tile	5%			2040	* *	5	$800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : First And Second Floor								
Explanation : Kitchen And Bathrooms								
Gypsum Board	15%	Now	$1,100	LIFE	* *	5	$1,500	
Loose/Delam Surface, Extent : Severe, Area Affected : 15%								
Location : Second Floor Windows								
Masonry: Brick	30%	Now	$20,400	LIFE	* *			
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : Basement								
Plaster	25%	Now	$7,000	LIFE	* *	5	$1,200	
Deteriorated Finish, Extent : Severe, Area Affected : 70%								
Location : 2nd Floor Stair								
Paint Peeling, Extent : Severe, Area Affected : 60%								
Location : 2nd Floor Stair								
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : At Windows Throughout								

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FIRE DEPARTMENT - 057

SQUAD 288 HAZARDOUS MATERIAL UNIT

Asset # : 13174

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	35%	0-2	$3,600	2036	* *	5	$2,100	
Misaligned/Bulging, Extent : Moderate, Area Affected : 10%								
Location : Second Floor								
Exposed Concrete	30%	Now	$61,100	LIFE	* *	5	$600	
Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
Location : Basement Ceiling								
Exposed Reinforcement, Extent : Severe, Area Affected : 5%								
Location : Below Watch Area								
Other Observation, Extent : Severe, Area Affected : 5%								
Location : Below Watch Area And Basement								
Explanation : Large Chunks Of Concrete Have Fallen, Exposing Reinforcing								
Plaster	15%	Now	$5,000	LIFE	* *	5	$1,100	
Paint Peeling, Extent : Severe, Area Affected : 60%								
Location : 2nd Floor Stair								
Worn/Eroded, Extent : Severe, Area Affected : 30%								
Location : 2nd Floor Stair, Scuttle To Roof								
Under Construction	20%							
Site Enclosure								
Retaining Walls								
Cast in Place Concrete	40%	Now	$500	2066	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Steel Post Struts To Brace Retaining Wall Are Rusted And Failing								
Masonry: Brick	60%	Now	$10,600	2041	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : North Wall								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%								
Location : North Wall								
Site Pavements								
Public Sidewalk								
Asphalt	10%	Now	$500	2040	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
Location : Apron								
Cast in Place Concrete	90%			2044	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2044	* *			
Parking/Driveway								
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								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057

SQUAD 288 HAZARDOUS MATERIAL UNIT

Asset # : 13174

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								
Molded Case Bkrs	100%	0-2	$2,600	2051	* *	5	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Ampere Main Disconnect Witch								
Raceway								
Conduit	70%			2031	$23,400	1		
Conduit	30%			2051	* *	1		
Panelboards								
Fused Disc Sw	5%			2030	$2,100	5		
Fused Knife Sw	15%	2-4	$6,200	2056	* *	5		
On Extended Life, Extent : Moderate, Area Affected : 100%								
Location : First Floor								
Molded Case Bkrs	60%			2047	* *	5	$100	
Molded Case Bkrs	20%			2030	$8,200	5		
Wiring								
Braided Cloth	20%	2-4	$5,900	2056	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : Basement And First Floor								
Thermoplastic	60%			2051	* *	1		
Thermoplastic	20%			2031	$5,900	1		
Motor Controllers								
Locally Mounted	100%			2029	$15,400	5	$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$300	
Lighting								
Interior Lighting								
Fluorescent	30%			2036	* *	10	$2,400	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 70%								
Location : Basement								
LED	70%			2039	* *			
Egress Lighting								
Exit, Service	50%			2036	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : 2nd Floor								
Explanation : Exit Fixture Observed								
No Component	50%							
Exterior Lighting								
HID	100%			2036	* *	10		

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								

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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
Heating								
Energy Source								
Natural Gas	100%			2041	* *	1		
Conversion Equipment								
Steam Boiler	100%	0-2	$5,700	2036	* *	1	$7,800	
Other Observation, Extent : Moderate, Area Affected : 30%								
Location : Boiler								
Explanation : The Back Portion Is Rusted Out Due To Leak Above. Chimney Hatch Has Also Rusted Off Hinges.								
Distribution								
Steam Piping/Pump	100%	Now	$1,900	2041	* *			
Leak Evident, Extent : Moderate, Area Affected : 20%								
Location : Steam Pipe Rusted And Leaks Above Boiler								
Terminal Devices								
Convector/Radiator	100%			2029	$47,100	1	$2,800	
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Split Unit	30%	0-2	$2,800	2036	* *			
Other Observation, Extent : Moderate, Area Affected : 50%								
Location : 2nd Floor Office, Conference Room And Kitchen								
Explanation : R-410a. 6 Units On Lower Roof. 3 Are Inefficient Units.								
Window/Wall Unit	30%			2024	$5,500	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	$3,900	
No Component	50%							
Exhaust Fans								
Roof	30%	0-2	$200	2031	$4,400	2	$100	
Not in Service, Extent : Moderate, Area Affected : 70%								
Location : 2 Out Of 3 Units, Roof								
Wall Unit	30%	0-2	$900	2041	* *	2	$100	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : Absolete Units								
No Component	40%							
Other Observation, Extent : Light, Area Affected : 0%								
Location :								
Explanation : No Exhaust Fan For Bathrooms								

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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								
Gas Fired	100%	0-2	$1,100	2026	$5,400	2	$100	
Corroded, Extent : Moderate, Area Affected : 30%								
Location : Basement								
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%	0-2	$3,200	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Storm Drain Piping								
Cast Iron	100%	0-2	$900	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 5%								
Location : Roof								
Sump Pump(s)								
Submersible	100%			2022	$300	4	$300	
Fixtures								
Generic	100%							
Fire Suppression								
Chemical System								
No Component	99%							
Generic	1%			2024	$300	1-3		

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$267,100	$104,900
Electrical		$25,500
Mechanical		$66,100
Total	**$267,100**	**$196,500**
Importance Code A	$267,100	$104,900
Importance Code B		$91,600
Total	**$267,100**	**$196,500**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$82,900		$2,500	
Interior Architecture	$62,600	$200	$1,600	$300
Electrical	$800	$600	$600	$600
Mechanical	$21,400	$1,000	$9,400	$1,200
Site Enclosure	$2,800			
Site Pavements	$17,800			
Total	**$188,400**	**$1,800**	**$14,100**	**$2,000**
Importance Code A	$83,600	$700	$3,200	$700
Importance Code B	$52,800	$1,100	$10,700	$1,300
Importance Code C	$52,000		$200	
Total	**$188,400**	**$1,800**	**$14,100**	**$2,000**



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FIRE DEPARTMENT - 057

SQUAD 41

Asset # : 13029

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	80%	4+	$267,100	LIFE	* *	5	$25,400	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 3%								
Location : South Facade								
Paint Peeling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Painted Surfaces, Extent : Severe, Area Affected : 75%								
Location : Side And Rear Walls								
Spalling, Extent : Light, Area Affected : 1%								
Location : South Facade								
Masonry: Granite	3%			LIFE	* *	5	$1,400	
Masonry: Limestone	12%			LIFE	* *	5	$5,700	
Metal Sect. OHD	5%			2044	* *	5	$5,000	
Windows								
Aluminum	100%	4+	$1,000	2047	* *	5	$500	
Other Observation, Extent : Moderate, Area Affected : 20%								
Location : Interior Wood Trim								
Explanation : Dry Rot								
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5-10	$6,800	
Masonry: Brick	85%			LIFE	* *	5-10	$13,900	
Paint Peeling, Extent : Moderate, Area Affected : 10%								
Location : Parapet Walls								
Painted Surfaces, Extent : Severe, Area Affected : 100%								
Location : Parapet								
Spalling, Extent : Light, Area Affected : 10%								
Location : Main Roof								
Metal Cornice	5%			2059	* *	10	$400	
Roof								
Modified Bitumen	95%	4+	$31,500	2031	$104,900			
Blisters, Extent : Light, Area Affected : 30%								
Location : Main Roof And Upper Roof								
Ponding, Extent : Light, Area Affected : 30%								
Location : Main Roof And Upper Roof								
Worn/Eroded, Extent : Moderate, Area Affected : 60%								
Location : Lower And Main Roof								
Skylight, Metal/Glass	5%	Now	$30,100	2051	* *			
Corrosion/Rusting, Extent : Severe, Area Affected : 25%								
Location : On Main Roof								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	* *	5	$23,300	
Ceramic Tile	5%			2040	* *	5	$500	
Quarry Tile	5%			2044	* *	5	$800	
Vinyl Tile	35%			2036	* *	3	$1,400	
Wood	5%			2059	* *	5	$1,000	

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FIRE DEPARTMENT - 057

SQUAD 41

Asset # : 13029

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	2%			2034	* *	5	$400	
Gypsum Board	5%			LIFE	* *	5-10	$1,700	
Masonry: Brick	15%	0-2	$13,200	LIFE	* *			
Spalling, Extent : Moderate, Area Affected : 15%								
Location : Basement At Front								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Basement, Kitchen Area								
Plaster	53%	4+	$9,600	LIFE	* *	5	$3,100	
Paint Peeling, Extent : Light, Area Affected : 4%								
Location : 3rd Floor Bedroom								
SGFT/Glazed Masonry	25%	0-2	$10,900	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Floor								
Ceilings								
AcousTileSusp.Lay-In	2%			2036	* *	5	$200	
AcousTileSusp.Lay-In	3%			2048	* *	5	$300	
Recent Installation, Extent : Light, Area Affected : 3%								
Location : 2nd Floors								
Embossed Metal	70%	4+	$3,000	LIFE	* *	5	$3,400	
Paint Peeling, Extent : Moderate, Area Affected : 2%								
Location : 1st Floor								
Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%								
Location : 4th Floor Ceiling								
Exposed Concrete	23%			LIFE	* *	5-10	$3,100	
Exposed Struc: Steel	2%	2-4	$10,400	LIFE	* *			
Corrosion/Rusting, Extent : Severe, Area Affected : 15%								
Location : Front Of Basement Under Overhead Door								
Site Enclosure								
Fence/Gates								
Chain Link	100%	4+	$2,800	2041	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Parking Lot Entrance Gates								
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+	$3,400	2044	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Front Of Building On 150th Street								

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FIRE DEPARTMENT - 057

SQUAD 41

Asset # : 13029

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								
Asphalt	80%	2-4	$14,400	2034	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 50%								
Location : Parking Area								
Cast in Place Concrete	20%			2036	* *			

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		
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	$25,500	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	$200	
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	$1,700	5	$300	
Fuel Storage								
Main Tank	100%			2066	* *	5	$200	
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		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Interior Lighting								
Fluorescent	60%			2036	* *	10	$3,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement, 1st Floor, 3rd Floor								
Explanation : T-8 Lamps								
Fluorescent	2%			2036	* *	10	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Compact Fluorescent Light								
Incandescent	3%			2026	$1,600	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	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front And Side Yard								
Explanation : CCTV Surveillance Cameras								

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%	0-2	$100	2041	* *	1		
Corroded, Extent : Severe, Area Affected : 20%								
Location : Basement								
Conversion Equipment								
Steam Boiler	100%			2036	* *	1	$7,100	
Distribution								
Central Plant Steam Piping/Pmp	100%			2041	* *	4	$400	
Terminal Devices								
Convector/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		
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%	Now	$13,200	2031	$66,100			
Malfunctioning, Extent : Severe, Area Affected : 100%								
Location : Split Unit At The Kitchen Is Malfunctioning								
Window/Wall Unit	50%			2024	$8,100	1		
No Component	10%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2-5	$1,300	
No Component	80%							
Exhaust Fans								
Interior	25%			2031	$6,900	2	$100	
Wall Unit	25%			2031	$700	2	$100	
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater								
Gas Fired	100%			2026	$4,700	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 75 Gallon Unit								
Sanitary Piping								
Cast Iron	70%			LIFE	* *	1		
Cast Iron	30%	2-4	$3,400	LIFE	* *	1		
Corroded, Extent : Moderate, Area Affected : 30%								
Location : Basement								
Storm Drain Piping								
Cast Iron	80%			LIFE	* *	1		
Cast Iron	20%	2-4	$3,200	LIFE	* *	1		
Corroded, Extent : Moderate, Area Affected : 30%								
Location : Basement								
Leak Evident, Extent : Moderate, Area Affected : 50%								
Location : Basement: Water Infiltration Causes Corrosion On Piping At Basement								
Sump Pump(s)								
Submersible	100%	Now	$100	2024	$300	4	$200	
Malfunctioning, Extent : Moderate, Area Affected : 20%								
Location : Basement. Sump Pump Not Operational								
Backflow Preventer								
No Component	95%							
Generic	5%			2036	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Boiler Only								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
System / Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
Fixtures								
Generic	100%							
Other Observation, Extent : Light, Area Affected : 50%								
Location : Bathrooms								
Explanation : New Toilets Installed In The Last Two Years								
Fire Suppression								
Chemical System								
Wet	10%			2029	$3,000	1-3	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Ansul System Serves Cooking Area								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 : **06-Feb-2018**
Landmark Status : **NONE**
Areas Surveyed : **Basement, Roof, Floors 1,2**
Block : **4082** **Lot** : **11** **BIN** : **2044205**

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Exterior Architecture	$50,900	
Electrical	$70,300	$91,300
Total	**$121,200**	**$91,300**
Importance Code A	$50,900	
Importance Code B	$70,300	$91,300
Total	**$121,200**	**$91,300**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Exterior Architecture	$57,600			
Interior Architecture	$7,300	$1,100	$2,200	$300
Electrical	$2,300	$600	$29,600	$500
Mechanical	$10,100	$1,000	$1,000	$1,000
Site Enclosure	$800			
Site Pavements	$2,400			
Total	**$80,600**	**$2,600**	**$32,700**	**$1,700**
Importance Code A	$58,300	$600	$700	$600
Importance Code B	$16,400	$1,300	$32,100	$1,100
Importance Code C	$5,900	$600		
Total	**$80,600**	**$2,600**	**$32,700**	**$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

SQUAD 61

Asset # : 13049

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								
Alum/Vinyl Siding	5%			2049	* *	10	$300	
Masonry: Brick	75%	0-2	$50,900	LIFE	* *	5	$15,800	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%								
Location : Throughout								
Masonry: Limestone	10%	0-2	$27,300	LIFE	* *	5	$1,600	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%								
Location : Throughout								
Metal Sect. OHD	10%			2042	* *	5	$6,600	
Windows								
Aluminum	100%	Now	$1,800	2045	* *	5	$1,000	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Hose Tower								
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	* *	5	$4,000	
Masonry: Brick	75%	0-2	$6,000	LIFE	* *	5	$1,900	
Vertical Cracks, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Masonry: Limestone	5%	0-2	$1,500	LIFE	* *	5	$200	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Roof								
Modified Bitumen	95%	Now	$11,300	2034	* *			1
Blisters, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Skylight, Metal/Glass	5%	Now	$6,500	2049	* *			
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	* *	5	$9,600	
Ceramic Tile	10%			2038	* *	5	$900	
Quarry Tile	10%			2042	* *	5	$1,300	
Vinyl Tile	25%			2034	* *	3	$1,100	
Wood	5%			2057	* *	5	$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

SQUAD 61

Asset # : 13049

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	30%			LIFE	* *			
Ceramic Tile	10%			2038	* *	5	$1,200	
Gypsum Board	5%			LIFE	* *	5	$400	
Recent Repair Evident, Extent : Light, Area Affected : 10%								
Location : Throughout								
Water Penetration, Extent : Light, Area Affected : 5%								
Location : Throughout								
Plaster	25%	Now	$2,600	LIFE	* *	5	$900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Hose Tower, Throughout								
SGFT/Glazed Masonry	30%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	50%			2034	* *	5	$4,400	
Exposed Concrete	10%	Now	$1,500	LIFE	* *	5	$100	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Exposed Struc: Steel	25%			LIFE	* *			
Plaster	15%	Now	$1,800	LIFE	* *	5	$800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	$800	2049	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Corrosion/Rusting, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Impact Damage, Extent : Moderate, Area Affected : 5%								
Location : Front Gate								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2042	* *			
On-Site Walkways								
Cast in Place Concrete	100%	0-2	$200	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Parking/Driveway								
Cast in Place Concrete	100%	0-2	$2,300	2042	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a ten-year period. 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		
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%			2029	$5,200	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2029	$52,200	5	$200	
Raceway								
Conduit	100%			2029	$33,500	1		
Panelboards								
Fused Disc Sw	5%			2028	$2,100	5		
Molded Case Bkrs	95%			2028	$39,100	5	$200	
Wiring								
Thermoplastic	100%			2029	$29,600	1		
Motor Controllers								
Locally Mounted	100%			2027	$15,400	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	$100	
Stand-by Power								
Transfer Switches								
Automatic	100%			2027	$5,200	1	$2,000	
Generators								
Diesel	100%			2025	$70,300	1	$2,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : One 80 Kilovolt-ampere								
Batteries								
Lead/Acid	100%			2022	$1,600	5	$200	
Fuel Storage								
Main Tank	100%			2032	* *	5	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 550 Gallons								
Lighting								
Interior Lighting								
Fluorescent	50%			2034	* *	10	$3,000	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : 1st Floor And Basement								
LED	50%			2037	* *			
Egress Lighting								
Emergency, Service	30%			2034	* *	1		
Emergency, Service	30%			2037	* *	1		
Exit, Service	10%			2024	$100	1		
Exit, Service	30%			2037	* *	1		
Exterior Lighting								
HID	100%			2024	$26,000	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

SQUAD 61

Asset # : 13049

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
Alarm								
Security System								
No Component	90%							
Generic	10%			2029	$2,100	1	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Front Of The Building								
Explanation : CCTV Surveillance Cameras								

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%			2055	* *	1		
Conversion Equipment								
Steam Boiler	100%			2042	* *	1	$6,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One Unit								
Distribution								
Central Plant Steam Piping/Pmp	100%	0-2	$2,200	2049	* *	4	$300	
Insul. Deteriorating, Extent : Moderate, Area Affected : 5%								
Location : Piping Around The Boiler								
Terminal Devices								
Convector/Radiator	100%			2042	* *	1	$2,100	
Air Conditioning								
Energy Source								
Electricity	100%			2051	* *	1		
Conversion Equipment								
Split Unit	10%			2039	* *			
Recent Installation, Extent : Light, Area Affected : 100%								
Location : Roof								
Window/Wall Unit	50%			2022	$6,700	1		
No Component	40%							
Ventilation								
Exhaust Fans								
Interior	50%			2029	$11,500	2	$100	
Roof	50%			2029	$5,300	2	$100	
Plumbing								
H/C Water Piping								
Galvanized Steel	100%			2034	* *	1		
Water Heater								
Gas Fired	100%			2027	$3,900	2	$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 75 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.
Maintenance $ are aggregated over a ten-year period. 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		
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%			2022	$200	4	$200	
Backflow Preventer								
No Component	95%							
Generic	5%			2034	* *	1		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Serves Boiler Only								
Fixtures								
Generic	100%							
Obsolete Fixtures, Extent : Severe, Area Affected : 100%								
Location : Kitchen And Bathroom								
Fire Suppression								
Chemical System								
Dry	10%			2027	$2,800	1-3	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Kitchen								
Explanation : Model Kp-275								
No Component	80%							
Generic	10%			2027	$2,800	1-3	$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Fire Extinguishers								

Note : All component repairs $ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance $ are aggregated over a 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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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

Total	
Importance Code	
Total	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Piers	$33,900	$1,100	$35,800	$6,200
Total	**$33,900**	**$1,100**	**$35,800**	**$6,200**
Importance Code A	$18,900			
Importance Code B		$1,100	$34,700	
Importance Code C	$15,000		$1,100	$6,200
Total	**$33,900**	**$1,100**	**$35,800**	**$6,200**



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

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
Structural								
Deck								
Concrete	55%			LIFE	* *	5	$35,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Entire Asset								
Explanation : Recent Replace Evident - New Pier Structure Constructed In 2018								
Not Accessible	45%							
Deck Surface								
Asphalt	65%			2040	* *	5	$12,400	
Surface Wearing/Scaling, Extent : Light, Area Affected : 5%								
Location : Pier Deck Surface								
No Component	5%							
Not Accessible	30%							
Pile Caps								
Concrete	100%			LIFE	* *	5	$2,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : New Pier Deck System Installed In 2018								
Explanation : Recent Replace Evident								
Piles and Bracing								
Concrete Encased Steel	25%			LIFE	* *			
Other Observation, Extent : Light, Area Affected : 100%								
Location : All Piles And Encasemnts								
Explanation : Recent Replace Evident								
Not Accessible	75%							
Fender								
Buffer								
Rubber	100%			2044	* *	4-5	$12,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : New Steel And Composite Fender Panels								
Explanation : Recent Replace Evident								
Piles								
Steel	30%			2044	* *	3-5	$60,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : New Steel Fender Panel Support Piles								
Explanation : Recent Replace Evident								
Not Accessible	70%							
Pile Cluster								
Timber	50%			2032	* *	4-10	$17,200	
Not Accessible	50%							
Deck Elements								
Railing								
Fencing	100%			2035	* *	3	$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Full Length Of Asset								
Explanation : Recent Replace Evident								
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 : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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	: **01-Feb-2018**	**Landmark Status**	: **NONE**
Areas Surveyed	:		
Block	: **14163** **Lot** : **101**	**BIN**	:

CAPITAL

Total	
Importance Code	
Total	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Piers	$14,700			
Total	**$14,700**			
Importance Code A	$14,700			
Importance Code B				
Total	**$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

WHARF UNDER EC 331/LC 173 BY HARBOR ADAM

Asset # : 13649

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
Structural								
Deck								
Concrete	50%			LIFE	* *	5	$5,100	
Cracking, Extent : Light, Area Affected : 5%								
Location : Throughout								
Spalling, Extent : Light, Area Affected : 5%								
Location : At Pile Cap Interface, South Underside Of Pier								
Other Observation, Extent : Light, Area Affected : 5%								
Location : Isolated Throughout Underdeck								
Explanation : Honeycombing								
Not Accessible	50%							
Pile Caps								
Concrete	15%	4+	$14,700	LIFE	* *	5	$100	
Cracking, Extent : Light, Area Affected : 10%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 100%								
Location : Southeast Pile Cap								
Concrete	85%			LIFE	* *	5	$300	
Piles and Bracing								
Concrete Encased Steel	50%			LIFE	* *			
Not Accessible	50%							
Fender								
Facing								
Composite	40%			2027	$10,600			
No Component	25%							
Not Accessible	35%							
Deck Elements								
Railing								
Steel	25%			2024				
Corrosion, Extent : Light, Area Affected : 25%								
Location : Throughout Railing								
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.*

Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Bulkheads	$113,100	
Total	**$113,100**	
Importance Code C	$113,100	
Total	**$113,100**	

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Bulkheads	$11,900		$100	$1,100
Total	**$11,900**		**$100**	**$1,100**
Importance Code B	$8,400		$100	$1,100
Importance Code C	$3,400			
Total	**$11,900**		**$100**	**$1,100**



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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
EAST SHORE RIP-RAP SHORELINE
Asset # : 13858

Bulkheads	Current Repair			Future Replacement		Maintenance		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Structural								
Revetment								
Stone	80%			LIFE	* *	5	$6,900	
Settlement, Extent : Light, Area Affected : 100%								
Location : Steep Slope For Full Length Of Asset								
Stone	20%	4+	$113,100	LIFE	* *	5	$900	
Settlement, Extent : Moderate, Area Affected : 5%								
Location : At 390 To 420 Feet And 480 To 605 Feet From North Of Fdny Pier								
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	* *	3	$100	
Fencing	20%	2-4	$8,300	2036	* *	3	$100	
Not Plumb, Extent : Moderate, Area Affected : 100%								
Location : Fence Foundation Undermined And Fence Leaning At 390 - 420 Feet And 480 - 605 Feet From North Of FDNY Pier								
No Component	40%							

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Print Date : 26-Oct-2020

FIRE DEPARTMENT - FY 2021

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 2022 - 2025	FY 2026 - 2031
Marinas/Docks	$126,900	$234,200
Total	**$126,900**	**$234,200**
Importance Code A	$126,900	$234,200
Total	**$126,900**	**$234,200**

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Marinas/Docks	$28,700	$2,700	$1,800	$2,400
Total	**$28,700**	**$2,700**	**$1,800**	**$2,400**
Importance Code A	$28,300		$1,400	$2,100
Importance Code B	$100	$2,500	$100	$100
Importance Code C	$300	$200	$300	$200
Total	**$28,700**	**$2,700**	**$1,800**	**$2,400**



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FIRE DEPARTMENT - 057

NAVY HOMEPORT MARINE 9 RESPONSE UNIT MARINA

Asset # : 14767

Marinas/Docks	Current Repair			Future Replacement		Maintenance		
System / Component / Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Access Walkways								
Gangways								
Aluminum	100%			2050	* *	1-3	$8,200	
Floating Docks								
Anchor Piles								
Steel	50%	4+	$10,100	2050	* *	3-5	$6,500	
Corrosion, Extent : Moderate, Area Affected : 10%								
Location : Three Piles At Barge And Six Piles At Floating Dock In Tidal Zone								
Not Accessible	50%							
Deck								
Concrete	100%			2039	* *	5	$89,500	
Cracking, Extent : Light, Area Affected : 50%								
Location : Northern Half								
Fenders								
Rubber	100%			2028	$3,600	1-2	$2,500	
Barge								
Steel	50%			2039	* *	5	$2,800	
Not Accessible	50%							
Protective Structure								
Fenders								
Steel/Rubber	60%			2028	$107,300			
Worn, Extent : Moderate, Area Affected : 25%								
Location : Splash Zone Along Fire Fighter 2 Berth								
Not Accessible	40%							
Wave Attenuator								
Steel/Timber	5%	2-4	$18,100	2050	* *	5	$9,100	
Loose Connections, Extent : Severe, Area Affected : 100%								
Location : One Section East Of Floating Dock Adjacent To Pier And One Section At Southern Attenuator								
Steel/Timber	45%			2050	* *	5	$164,300	
Not Accessible	50%							
Electrical/Mech.								
Power Supply/Bollards								
Plastic	100%			2028	$7,100			
Fender								
Piles								
Steel	50%			2031	$29,900			
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : Tidal Zone Of Monopile Fenders								
Explanation : Corrosion								
Not Accessible	50%							

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FIRE DEPARTMENT - 057

Project : FIRE DEPARTMENT

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Miscellaneous Buildings	2,957,700	1,167,900

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Miscellaneous Buildings	104,500	44,200	62,300	49,200

ASSET #	NAME	SQFT	CAPITAL	EXPENSE
1832	FIRE ACADEMY FIRE SIMULATOR BLDG #4	6,000	327,500	20,400
1833	FIRE ACADEMY MAINTENANCE AND STORAGE BLDG. 10	4,800	262,000	16,400
1857	FIRE ACADEMY FIRE SIMULATOR BLDG #2	6,000	327,500	20,400
13736	FORT TOTTEN - BLDG. # 100 GUARD GATE	63	0	2,700
13742	FORT TOTTEN - BLDG. # 131 FORMER RESIDENCE	3,274	178,700	11,200
13743	FORT TOTTEN - BLDG. # 132 FORMER RESIDENCE	4,286	234,000	14,600
13744	FORT TOTTEN - BLDG. # 135 FORMER RESIDENCE	4,339	236,900	14,800
13745	FORT TOTTEN - BLDG. # 136 FORMER RESIDENCE	4,287	234,000	14,600
13751	FORT TOTTEN - BLDG. # 305 FORMER RESIDENCE	1,555	84,900	5,300
13752	FORT TOTTEN - BLDG.# 306 A AND B FORMER RESIDENCE	4,194	228,900	14,300
13753	FORT TOTTEN - BLDG.# 307 A AND B FORMER RESIDENCE	4,194	228,900	14,300
13754	FORT TOTTEN - BLDG.# 308 A AND B FORMER RESIDENCE	4,208	229,700	14,300
13756	FORT TOTTEN - BLDG.# 310 A AND B FORMER RESIDENCE	4,208	229,700	14,300
13757	FORT TOTTEN - BLDG.# 312 A AND B FORMER RESIDENCE	4,282	233,700	14,600
13758	FORT TOTTEN - BLDG.# 314 A AND B QUARTERMASTER STORAGE	3,274	178,700	11,200
13760	FORT TOTTEN - BLDG. # 317 FORMER RESIDENCE	6,056	330,600	20,600
13765	FORT TOTTEN - BLDG. # 331 STORAGE	2,550	139,200	8,700
14029	FORT TOTTEN - BLDG. # 334 QUARTERMASTER STORAGE	600	32,700	2,000
14099	FIRE ACADEMY LIBRARY - BLDG. #13	2,500	136,500	8,500
14944	FIRE ACADEMY BLDG. 15	1,296	70,700	4,400
14945	FIRE ACADEMY BLDG. 16	1,550	84,600	5,300
14946	FIRE ACADEMY BLDG. 17	2,124	115,900	7,200

Project : FIRE DEPARTMENT

CAPITAL	FY 2022 - 2025	FY 2026 - 2031
Special Systems	2,400,000	0

EXPENSE	FY 2022	FY 2023	FY 2024	FY 2025
Special Systems	1,129,000	1,351,000	1,415,000	1,434,000

ASSET #	NAME	SQFT	CAPITAL	EXPENSE

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FIRE DEPARTMENT - 057

ASSET #	NAME	SQFT	CAPITAL	EXPENSE
4541	FIREBOAT - FIRE FIGHTER II		160,000	2,145,000
4542	FIREBOAT - THREE FORTY-THREE		160,000	2,145,000
4543	FIREBOAT - BRAVEST		2,000,000	670,000
4544	FIREBOAT - FEEHAN		80,000	369,000

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