

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 16-May-2023 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3126 **Lot** : 12 **BIN** : 2013192

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$239,700	\$250,900
Interior Architecture	\$705,200	
Electrical		\$329,800
Mechanical		\$82,700
Total	\$944,900	\$663,400
Importance Code A	\$239,700	\$314,500
Importance Code B	\$633,300	\$349,000
Importance Code C	\$71,900	
Total	\$944,900	\$663,400

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$106,900		\$1,000	
Interior Architecture	\$73,000		\$600	\$4,400
Electrical	\$12,700	\$1,100	\$3,500	\$1,300
Mechanical	\$22,300	\$1,800	\$7,500	\$1,600
Site Enclosure	\$31,700			
Site Pavements	\$28,900			
Total	\$275,600	\$2,900	\$12,500	\$7,300
Importance Code A	\$108,100	\$1,100	\$2,100	\$1,100
Importance Code B	\$87,200	\$1,700	\$10,400	\$4,600
Importance Code C	\$80,300			\$1,600
Total	\$275,600	\$2,900	\$12,500	\$7,300



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

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%	2-4	\$40,100	2054	* *			
	Broken/Missing Elements, Extent : Light, Area Affected : 25%								
	Location : Rear Extension Walls								
	Masonry: Brick	68%	Now	\$189,500	LIFE	* *	5	\$23,600	
	Cracking/Crumbling, Extent : Light, Area Affected : 10%								
	Location : Throughout								
	Diagonal Cracks, Extent : Severe, Area Affected : 5%								
	Location : Rear Wall At 2nd Floor Roof								
	Vertical Cracks, Extent : Severe, Area Affected : 2%								
	Location : Main Entrance At Battalion 18 Building								
	Masonry: Granite	2%			LIFE	* *	5	\$1,000	
	Metal Sect. OHD	5%			2039	* *	5	\$5,400	
	Stucco Cement	5%	2-4	\$4,800	2039	* *	5	\$2,200	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
	Location : Side Wall At Rear Of Engine 45 Building								
Windows									
	Aluminum	100%	Now	\$6,900	2042	* *	5	\$1,500	
	Cttrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 2%								
	Location : Engine 45 Building								
Parapets									
	Masonry: Brick	85%	0-2	\$44,200	LIFE	* *	5	\$3,600	
	Diagonal Cracks, Extent : Moderate, Area Affected : 2%								
	Location : Front Wall Of Battalion 18 Building								
	Horizontal Cracks, Extent : Moderate, Area Affected : 10%								
	Location : Throughout Battalion 18 Building								
	Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%								
	Location : Throughout Battalion 18 Building								
	Masonry: Granite	5%			LIFE	* *	5-10	\$2,900	
	Masonry: Limestone	10%			LIFE	* *	5-10	\$5,100	
Roof									
	Modified Bitumen	100%	Now	\$50,200	2034	\$250,900			
	Water Penetration, Extent : Severe, Area Affected : 15%								
	Location : Office Toilet Room In Engine 45 And Rear Gymnasium Extension								
Soffits									
	Alum/Vinyl Siding	50%	Now	\$3,200	2054	* *			
	Broken/Missing Elements, Extent : Severe, Area Affected : 20%								
	Location : Rear Extension								
	Stucco Cement	50%			2047	* *	5	\$1,900	

Interior

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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	\$37,900	LIFE	**	5	\$19,900	
Horizontal Cracks, Extent : Light, Area Affected : 5%								
Location : Both Building Apparatus Floors								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Apparatus Floor Slab - Engine 45 Basement								
Explanation : Extensive Reinforcing To Support Loads								
Ceramic Tile	15%			2043	**	5	\$3,400	
Quarry Tile	5%	Now	\$4,100	2039	**	5	\$900	
Broken/Missing Elements, Extent : Light, Area Affected : 2%								
Location : Kitchen								
Vinyl Tile	40%	2-4	\$98,400	2039	**	3	\$3,400	
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Interior Walls								
Ceramic Tile	10%			2043	**	5	\$3,100	
Concrete Masonry Unit	50%	0-2	\$71,900	LIFE	**	5	\$6,300	
Vertical Cracks, Extent : Moderate, Area Affected : 10%								
Location : Battalion 18 Stairways								
Plaster	25%			LIFE	**	5-10	\$6,700	
SGFT/Glazed Masonry	15%	4+	\$20,600	LIFE	**			
Diagonal Cracks, Extent : Light, Area Affected : 40%								
Location : Spider Cracking Throughout								
Ceilings								
AcousTileSusp.Lay-In	5%			2047	**	5	\$1,100	
Exposed Struc: Steel	50%	Now	\$534,900	LIFE	**			
Corrosion/Rusting, Extent : Severe, Area Affected : 25%								
Location : Beams Throughout Basement								
Other Observation, Extent : Severe, Area Affected : 30%								
Location : Beams Throughout Basement								
Explanation : Concrete Fireproofing Broken/ Missing								
Plaster	45%	2-4	\$6,100	LIFE	**	5	\$6,400	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Engine Side Of 1st Floor And 2nd Floor Locker Room								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$31,700	2054	**			
Corrosion/Rusting, Extent : Moderate, Area Affected : 20%								
Location : Throughout Rear Yard								
Impact Damage, Extent : Severe, Area Affected : 2%								
Location : Rear Gate								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	\$5,200	2047	**			
Spalling, Extent : Light, Area Affected : 100%								
Location : Apparatus Entrance								

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BATTALION ENG. CO.45/ LAD CO.58
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Architecture	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% 2-4 \$23,700 2043 * *

*Cracking/Crumbling, Extent : Moderate, Area Affected : 15%**Location : Rear Parking Area**Misaligned/Bulging, Extent : Moderate, Area Affected : 2%**Location : Various Locations At Perimeter*

Electrical	Current Repair			Future Replacement		Maintenance		
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% 2034 \$63,500 5 \$400

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : Main Service Disconnect Switch Rated At 300 Amperes*

Switchgear / Switchboard

Molded Case Bkrs

100% 2034 \$63,500 5 \$400

Raceway

Conduit

100% 2034 \$36,000 1

Panelboards

Molded Case Bkrs

100% 2033 \$48,500 5 \$400

Wiring

Thermoplastic

50% 2034 \$16,300 1

Thermoplastic

50% 2044 * * 1

Motor Controllers

Locally Mounted

100% 2039 * * 5 \$100

Ground

Grounding Devices

Generic

100% LIFE * * 5 \$400

Stand-by Power

Transfer Switches

Automatic

100% 2032 \$12,900 1 \$4,700

Generators

Diesel

100% 2030 \$99,500 1 \$5,900

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : Emergency Generator Rated At 17.5 Kilowatts*

Batteries

Lead/Acid

100% 2027 \$2,400 5 \$600

Fuel Storage

Main Tank

100% 2049 * * 5

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : 275 Gallons Rated Capacity*

Lighting

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

Lighting

Interior Lighting
Fluorescent

80%
2029 \$103,300 10 \$11,200
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%
Location : Throughout The Building

LED

20%
2042 * *
Recent Installation, Extent : N/A, Area Affected : 100%
Location : Throughout The Building

Egress Lighting

Emergency, Service

100%
2029 \$9,200 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%
2054 * * 1

Conversion Equipment

Hot Water Boiler

50%
2047 * * 1 \$3,800
Other Observation, Extent : N/A, Area Affected : 100%
Location : Basement
Explanation : 1 Unit

Steam Boiler

50%
2047 * * 1 \$7,500
Other Observation, Extent : N/A, Area Affected : 100%
Location : Basement
Explanation : 1 Unit

Distribution

Hot Wtr Piping/Pump

50%
2042 * * 4 \$600

Steam Piping/Pump

50%
2044 * *

Terminal Devices

Convactor/Radiator

80%
2039 * * 1 \$3,900

Fan Coil Unit/Heat

20%
2039 * * 1 \$1,000

Controls

Electrical

100%
2029 \$82,700

Air Conditioning

Energy Source

Electricity

100%
2042 * * 1

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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									
	Conversion Equipment								
	Exterior Pkg Unit - Cooling	10%			2039	**	2	\$100	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Roof							
		Explanation : 1 Unit, R-410a							
	Split Unit	5%			2039	**			
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : 2nd Floor							
		Explanation : 1 Unit, R-410a							
	Window/Wall Unit	45%			2032	\$25,300	1		
	Window/Wall Unit	10%			2027	\$5,600	1		
	No Component	30%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	20%			LIFE	**	2-5	\$2,700	
	No Component	80%							
	Exhaust Fans								
	Roof	20%			2039	**	2	\$100	
	Wall Unit	15%	0-2	\$300	2029	\$1,000	2	\$100	
		Malfunctioning, Extent : Moderate, Area Affected : 100%							
		Location : 1st Floor							
	No Component	65%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2044	**	1		
	Water Heater With Tanks								
	Gas Fired	100%			2032	\$33,400	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon Units							
	Sanitary Piping								
	Cast Iron	100%	Now	\$18,700	LIFE	**	1		
		Blockage /Clogged, Extent : Light, Area Affected : 5%							
		Location : 1st Floor							
		Leak Evident, Extent : Moderate, Area Affected : 10%							
		Location : 1st Floor							
	Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1		
	Sump Pump(s)								
	Submersible	100%			2025	\$500	4	\$500	
	Fixtures								
	Generic	100%							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$171,900	
Interior Architecture	\$284,800	\$132,700
Electrical		\$75,100
Total	\$456,700	\$207,800
Importance Code A	\$171,900	
Importance Code B	\$284,800	\$75,100
Importance Code C		\$132,700
Total	\$456,700	\$207,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$45,500	\$1,600	\$900	
Interior Architecture	\$61,100		\$1,000	
Electrical	\$3,500	\$900	\$1,000	\$800
Mechanical	\$6,600	\$29,800	\$7,000	\$7,400
Total	\$116,600	\$32,300	\$9,900	\$8,300
Importance Code A	\$46,100	\$2,200	\$1,400	\$600
Importance Code B	\$40,300	\$30,100	\$8,400	\$7,700
Importance Code C	\$30,200			
Total	\$116,600	\$32,300	\$9,900	\$8,300



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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	\$12,700	
	Masonry: Brick	70%	Now	\$91,200	LIFE	**	5	\$22,700	
		Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%							
		Location : Front Facade							
	Masonry: Brownstone	10%	Now	\$23,900	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+	\$13,600	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	\$6,300	
	Masonry: Brick	60%			LIFE	**	5	\$2,400	
	Metal Panel	20%			2041	**	5	\$3,100	
Roof									
	Roll Roofing	95%	Now	\$8,100	2027	\$80,700	5	\$10,600	
		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	\$7,500	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+	\$15,700	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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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	\$6,600	2034	\$132,700	5	\$1,200	

*Vertical Cracks, Extent : Moderate, Area Affected : 15%**Location : Communications On Aparatus Floor*

Gypsum Board	75%			LIFE	**	5	\$11,100	
Masonry: Brick	10%	Now	\$23,000	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+	\$7,300	2044	**	5	\$4,500	
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*Water Penetration, Extent : Severe, Area Affected : 5%**Location : 3rd Floor Offices*

Embossed Metal	25%			LIFE	**	5	\$2,000	
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Exposed Struc: Steel	5%	0-2	\$210,800	LIFE	**			
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*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	\$2,200	
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Masonry: Vault Struct	10%	Now	\$74,000	LIFE	**			
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*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	**			
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Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts**Service Equipment**

Fused Disc Sw	100%			2031	\$14,700	5	\$100	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Two 200 Ampere Main Disconnect Switches*

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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	\$7,200	1		
Panelboards									
	Fused Disc Sw	5%			2047	* *	5		
	Molded Case Bkrs	95%			2047	* *	5	\$300	
Wiring									
	Thermoplastic	80%			2051	* *	1		
	Thermoplastic	20%			2031	\$6,500	1		
Motor Controllers									
	Locally Mounted	50%			2029	\$8,900	5		
	Locally Mounted	50%			2036	* *	5		
Stand-by Power									
Transfer Switches									
	Automatic	100%			2044	* *	1	\$3,700	
Generators									
	Diesel	100%			2040	* *	1	\$4,700	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Generator Room									
Explanation : One 60 Kilowatts									
Batteries									
	Lead/Acid	100%			2025	\$2,400	5	\$400	
Fuel Storage									
	Main Tank	100%			2034	\$75,100	5		
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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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	\$600	
			Corroded, Extent : Moderate, Area Affected : 2%						
			Location : There Is Corroded Piping At Manifold In Boiler Room						
Terminal Devices									
	Convactor/Radiator	75%			2044	**	1	\$2,900	
	Unit Heater - Hot Water	25%			2036	**			
Air Conditioning									
	Energy Source								
	Electricity	100%			2047	**	1		
Conversion Equipment									
	Split Unit	50%			2036	**			
			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 With Tanks									
	Gas Fired	100%			2029	\$16,700	2		
			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)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
	Sump Pump(s)							
	Non-Submersible	100%		2031	\$2,300	4	\$300	
		Other Observation, Extent : N/A, Area Affected : 100%						
		Location : Basement						
		Explanation : 2 Units And One Serves Each Side						
Fixtures								
	Generic	100%						
Fire Suppression								
	Chemical System							
	Generic	100%		2026	\$15,900	1-3	\$74,400	
		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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture		\$106,200
Mechanical		\$177,300
Site Pavements		\$335,000
Total		\$618,500
Importance Code A		\$106,200
Importance Code B		\$177,300
Importance Code C		\$335,000
Total		\$618,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture		\$1,600	\$1,400	
Interior Architecture	\$10,400	\$1,900	\$2,100	
Electrical	\$4,400	\$12,600	\$2,200	\$1,800
Mechanical	\$8,800	\$8,200	\$17,600	\$8,200
Site Pavements	\$16,700			
Total	\$40,400	\$24,300	\$23,200	\$10,000
Importance Code A	\$600	\$2,200	\$1,900	\$600
Importance Code B	\$22,500	\$22,100	\$21,300	\$9,500
Importance Code C	\$17,400			
Total	\$40,400	\$24,300	\$23,200	\$10,000



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

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

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

FIRE DEPARTMENT - 057
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	\$3,300	
Glass Block	4%			LIFE	**	5	\$200	
Masonry: Brick	80%			LIFE	**	5	\$7,600	
Metal Panel	4%			2051	**	5-10	\$2,600	
Window Wall	5%			2051	**	5	\$1,800	
Windows								
Aluminum	100%			2047	**	5	\$2,700	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Bullet Proof Glass								
Roof								
Modified Bitumen	100%			2031	\$106,200	10	\$9,900	
Soffits								
Aluminum Sunshades	100%			2040	**	10	\$11,700	
Interior								
Floors								
Carpet	25%			2030	\$71,900	3	\$6,200	
Cast in Place Concrete	25%			LIFE	**	5	\$9,100	
Ceramic Tile	5%			2040	**	5	\$800	
Raised Access Floor	30%			2040	**	5	\$18,700	
Sheet Vinyl/Rubber	15%			2036	**	5	\$3,700	
Interior Walls								
Ceramic Tile	10%			2040	**	5	\$1,300	
Concrete Masonry Unit	40%			LIFE	**	5	\$2,100	
Gypsum Board	40%			LIFE	**	5	\$3,100	
Plaster	10%			LIFE	**	5	\$400	
Ceilings								
AcousTileSusp.Lay-In	30%			2044	**	5	\$5,000	
Exposed Struc: Concrete	45%			LIFE	**	5	\$1,200	
Exposed Struc: Steel	10%			LIFE	**			
Other Observation, Extent : N/A, Area Affected : 100%								
Location : Throughout								
Explanation : Material Actually Concrete Over Metal Decking								
Gypsum Board	15%			LIFE	**	5	\$3,100	
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 \$16,700 2034 \$335,000

*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

90% 2044 * *

Drive

Ground

Grounding Devices

Generic

100% LIFE * * 5 \$200

Stand-by Power

Transfer Switches

Automatic

100% 2044 * * 1 \$3,400

Generators

Diesel

100% 2040 * * 1 \$4,300

*Other Observation, Extent : Light, Area Affected : 100%**Location : Generator Room**Explanation : Two 510 Kilowatt Generators*

Batteries

Lead/Acid

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

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

Estimates are rounded to the nearest hundred dollars.

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

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

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

Electrical		Current Repair		Future Replacement		Maintenance			
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		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Generator Room							
		Explanation : 275 Gallons Rated Capacity							
	Main Tank	50%			2059	**	5		
		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							

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

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER - 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	\$800	
	Terminal Devices								
	Air Handler	85%			2039	**	1	\$5,900	
	Convactor/Radiator	15%			2048	**	1	\$500	
Air Conditioning									
	Energy Source								
	Electricity	100%			2047	**	1		
	Conversion Equipment								
	Centrifugal, Elec Chiller	80%			2034	\$177,300	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	80%			2041	**	4	\$700	
	Pipe/Pump								
	No Component	20%							
	Terminal Devices								
	Air Handler/Cool/Ht	60%			2039	**	1	\$4,100	
	Fan Coil - 2 Pipe	20%			2039	**	1	\$700	
	No Component	20%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,200	
	Exhaust Fans								
	Roof	100%			2039	**	2	\$300	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2051	**	1		
	Water Heater With Tanks								
	Electric	100%			2029	\$23,100	4		
	Sanitary Piping								
	Cast Iron	100%			LIFE	**	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1		
	Sewage Ejector(s)								
	Electric	100%			2039	**	4	\$400	
	Backflow Preventer								
	Generic	100%			2036	**	1	\$700	
	Fixtures								
	Generic	100%							

Fire Suppression

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

Estimates are rounded to the nearest hundred dollars.

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

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

Mechanical		Current Repair		Future Replacement		Maintenance			
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	\$15,900	1-3	\$74,400	
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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028		FY 2029 - 2034	
Exterior Architecture	\$67,000			
Interior Architecture			\$635,600	
Mechanical			\$86,200	
Total	\$67,000		\$721,800	
Importance Code A	\$67,000			
Importance Code B			\$86,200	
Importance Code C			\$635,600	
Total	\$67,000		\$721,800	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$75,100	\$3,500	\$1,400	\$2,200
Interior Architecture	\$5,200	\$300	\$4,400	
Electrical	\$4,400	\$12,200	\$2,200	\$1,800
Mechanical	\$8,600	\$18,200	\$10,000	\$9,900
Total	\$93,400	\$34,100	\$18,000	\$14,000
Importance Code A	\$75,700	\$4,000	\$2,000	\$2,800
Importance Code B	\$17,500	\$30,100	\$14,400	\$11,200
Importance Code C	\$200		\$1,600	
Total	\$93,400	\$34,100	\$18,000	\$14,000



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

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-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+	\$34,400	LIFE	* *	5	\$13,800	
	Staining/Discoloring, Extent : Moderate, Area Affected : 15%							
	Location : Window Sill And Door Openings							
Masonry: Brick	82%	4+	\$33,400	LIFE	* *	5	\$20,800	
	Staining/Discoloring, Extent : Moderate, Area Affected : 10%							
	Location : Rear Facade							
Masonry: Limestone	5%	Now	\$7,300	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	\$67,000	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	\$79,100	3	\$6,900	
Cast in Place Concrete	25%			LIFE	* *	5	\$9,300	
Ceramic Tile	3%			2040	* *	5	\$500	
Quarry Tile	2%			2036	* *	5	\$500	
Raised Access Floor	15%			2040	* *	5	\$9,500	
Terrazzo	5%			LIFE	* *	5	\$700	
Vinyl Tile	23%			2036	* *	3	\$1,500	

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	\$300	
	Fabric on Framing	45%			2032	\$635,600	5	\$3,200	
	Gypsum Board	15%			LIFE	**	5	\$1,300	
	Masonry: Brick	10%			LIFE	**			
	Plaster	20%			LIFE	**	5	\$900	
	Wood	2%			LIFE	**	5	\$1,100	
Ceilings									
	AcousTileSusp.Lay-In	15%			2044	**	5	\$2,500	
	Exposed Struc: Concrete	20%			LIFE	**	5	\$500	
	Gypsum Board	15%			LIFE	**	5	\$3,200	
	Plaster	50%			LIFE	**	5	\$5,300	
Site Enclosure									
Fence/Gates									
	Chain Link	75%			2051	**			
	Iron Picket	25%			2066	**			
Retaining Walls									
	Masonry: Brick	100%			2051	**			
Site Pavements									
Public Sidewalk									
	Cast in Place Concrete	100%			2044	**			
On-Site Walkways									
	Cast in Place Concrete	95%			2044	**			
	Masonry: Granite	3%			LIFE	**			
	Pavers/Stone	2%			2040	**			
Parking/Driveway									
	Asphalt	100%			2040	**			

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% 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	\$200	
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	\$2,400	5	\$400	
	Fuel Storage								
	Day Tank	5%			2047	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Generator Room							
		Explanation : 250 Gallons Rated Capacity							
	Underground Storage	95%			LIFE	* *	5		
		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 : N/A, 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
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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
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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
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Conversion Equipment

Hot Water Boiler	100%		2044	**	1	\$5,600
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement Boiler Room

Explanation : 2 Units

Distribution

Hot Wtr Piping/Pump	100%		2047	**	4	\$600
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Terminal Devices

Air Handler	60%		2036	**	1	\$4,200
Convactor/Radiator	40%		2044	**	1	\$1,500

Air Conditioning

Energy Source

Electricity	100%		2047	**	1	
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*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
COMMUNICATIONS CENTER-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	90%			2051	* *	4	\$500	
	Pipe/Pump								
	No Component	10%							
Terminal Devices									
	Air Handler/Cool/Ht	70%			2036	* *	1	\$4,900	
	Fan Coil - 2 Pipe	20%			2036	* *	1	\$700	
	No Component	10%							
Heat Rejection									
	Air Cooled Condenser Unit	90%			2036	* *	2	\$7,100	
	No Component	10%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$6,300	
	Exhaust Fans								
	Interior	100%			2036	* *	2	\$300	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2051	* *	1		
	Water Heater With Tanks								
	Oil Fired	100%			2029	\$86,200	1		
			Other Observation, Extent : N/A, 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.
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** 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	\$15,900	1-3	\$74,400	
Other Observation, Extent : N/A, 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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$388,800	
Total	\$388,800	
Importance Code A	\$388,800	
Total	\$388,800	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$12,800	\$4,600		\$1,700
Interior Architecture	\$3,600	\$1,300	\$3,800	
Electrical	\$1,500	\$4,400	\$1,900	\$1,700
Mechanical	\$7,600	\$5,300	\$12,100	\$5,300
Site Enclosure	\$4,600			
Site Pavements	\$12,600			
Total	\$42,700	\$15,600	\$17,800	\$8,600
Importance Code A	\$13,400	\$5,100	\$600	\$2,200
Importance Code B	\$12,200	\$10,500	\$17,200	\$6,400
Importance Code C	\$17,200			
Total	\$42,700	\$15,600	\$17,800	\$8,600



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+	\$129,600	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	\$259,200	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+	\$12,800	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 : N/A, Area Affected : 10%								
Location : Entry Portico								
Interior								
Floors								
Carpet	45%			2030	\$144,600	3	\$11,400	
Cast in Place Concrete	25%			LIFE	**	5	\$9,300	
Ceramic Tile	5%			2040	**	5	\$800	
Quarry Tile	5%			2044	**	5	\$1,300	
Raised Access Floor	10%			2040	**	5	\$6,400	
Sheet Vinyl/Rubber	10%			2036	**	5	\$2,500	
Interior Walls								
Gypsum Board	85%			LIFE	**	5	\$7,300	
Masonry: Brick	15%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	20%			2044	**	5	\$3,400	
Exposed Struc: Concrete	40%			LIFE	**	5	\$1,100	
Plaster	40%			LIFE	**	5	\$4,200	

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

Maintenance \$ are aggregated over a ten-year period. 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	

Site Enclosure

Fence/Gates

Chain Link

50%

2041

* *

Iron Picket

50%

4+

\$4,600

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+

\$5,100

2044

* *

*Cracking/Crumbling, Extent : Light, Area Affected : 10%**Location : Around Manholes*

Parking/Driveway

Asphalt

80%

4+

\$7,500

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

100%

2048

* *

Drive

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-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	\$2,600	5	\$400	
	Fuel Storage								
	Day Tank	20%			2053	* *	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Outside								
	Explanation : 275 Gallons Rated Capacity								
	Main Tank	80%			2066	* *	5		
	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	\$200	
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								

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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
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	

Alarm

Fire/Smoke Detection
Generic, Analog

100%

2039

* *

1-3

\$6,700

Other Observation, Extent : N/A, 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%

2057

* *

5

\$3,400

Conversion Equipment

Hot Water Boiler

100%

2048

* *

1

\$5,400

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

Location : Basement Boiler Room

Distribution

Hot Wtr Piping/Pump

100%

2053

* *

4

\$800

Terminal Devices

Air Handler

70%

2039

* *

1

\$4,700

Convactor/Radiator

30%

2048

* *

1

\$1,100

Air Conditioning

Energy Source

Electricity

100%

2053

* *

1

Conversion Equipment

Centrifugal, Elec Chiller

100%

2044

* *

1

\$11,700

Other Observation, Extent : N/A, Area Affected : 100%

Location : Backyard

Explanation : 2 Units. R-410a

Distribution

CW & CHW Wtr
Pipe/Pump

100%

2057

* *

4

\$800

Terminal Devices

Air Handler/Cool/Ht

75%

2039

* *

1

\$5,000

Fan Coil - 2 Pipe

25%

2039

* *

1

\$900

Heat Rejection

Air Cooled Condenser
Unit

100%

2039

* *

2

\$7,500

Ventilation

Distribution

Ductwork/Diffusers

100%

LIFE

* *

2-5

\$6,000

Exhaust Fans

Interior

100%

2039

* *

2

\$300

Plumbing

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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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)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%		2057	* *	1		
	Water Heater With Tanks							
	Not Accessible	100%						
	Sanitary Piping							
	Cast Iron	100%		LIFE	* *	1		
	Backflow Preventer							
	Generic	100%		2039	* *	1	\$700	
	Fixtures							
	Generic	100%						
Fire Suppression								
	Sprinkler							
	Generic	100%		2057	* *	1-2	\$3,000	
	Chemical System							
	Dry	20%		2030	\$7,000	1-3	\$29,000	
		<i>Dry System, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Communication Room, 2 Sets, Fm-200</i>						
	No Component	80%						

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$262,300	
Electrical	\$35,000	\$104,900
Site Pavements		\$191,900
Total	\$297,300	\$296,700
Importance Code A	\$262,300	
Importance Code B	\$35,000	\$104,900
Importance Code C		\$191,900
Total	\$297,300	\$296,700

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$41,300	\$44,700		\$1,200
Interior Architecture	\$15,300		\$100	\$500
Electrical	\$3,300	\$6,600	\$600	\$600
Mechanical	\$7,800	\$36,700	\$12,900	\$6,600
Site Enclosure	\$100			
Total	\$68,000	\$87,900	\$13,700	\$8,800
Importance Code A	\$41,600	\$45,100	\$300	\$1,600
Importance Code B	\$26,200	\$42,800	\$13,400	\$7,300
Importance Code C	\$100			
Total	\$68,000	\$87,900	\$13,700	\$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
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	\$138,200	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	\$200	
	Masonry: Granite	68%	0-2	\$124,100	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	\$15,900	10	\$1,700	
Parapets									
	Cast Stone/Terra Cotta	100%	Now	\$41,300	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 : N/A, Area Affected : 100%									
Location : At Roof Penetrations And Eastern Step Down Roof									
Interior									
Floors									
	Cast in Place Concrete	40%			LIFE	**	5	\$8,400	
	Ceramic Tile	10%			2044	**	5	\$1,000	
	Vinyl Tile	10%			2039	**	3	\$400	
	Under Construction	40%							
Interior Walls									
	Concrete Masonry Unit	25%			LIFE	**	5	\$1,100	
	Gypsum Board	10%			LIFE	**	5	\$700	
	Masonry: Brick	15%			LIFE	**			
	Plaster	10%			LIFE	**	5	\$300	
	Under Construction	40%							
Ceilings									
	AcousTileSusp.Lay-In	10%			2048	**	5	\$1,000	
	Exposed Struc: Concrete	50%	4+	\$15,300	LIFE	**	5	\$700	
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 \$191,900

Electrical	Current Repair			Future Replacement		Maintenance		
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 : N/A, Area Affected : 100%**Location : Electrical Room Basement**Explanation : Two 1,200 Ampere Main Disconnect Switches*

Transformers

Dry Type

100% 2029 \$28,600 5

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

Switchgear / Switchboard

Fused Disc Sw

60% 2031 \$69,700 5

Molded Case Bkrs

40% 2051 * * 5 \$100

Raceway

Conduit

60% 2031 \$10,400 1

Conduit

40% 2051 * * 1

Panelboards

Fused Disc Sw

5% 2047 * * 5

Molded Case Bkrs

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

Molded Case Bkrs

55% 2047 * * 5 \$100

Wiring

Thermoplastic

40% 2031 \$9,000 1

Thermoplastic

60% 2051 * * 1

Motor Controllers

Locally Mounted

70% 2029 \$35,200 5

Locally Mounted

30% 2044 * * 5

Ground

Grounding Devices

Generic

100% LIFE * * 5 \$100

Stand-by Power

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

Maintenance \$ are aggregated over a ten-year period. 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

Electrical		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	\$2,600	5	\$200	
	Fuel Storage								
	Day Tank	50%			2047	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Generator Room							
		Explanation : Two 275 Gallon Capacity							
	Underground Storage	50%			LIFE	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Underground							
		Explanation : One 5000 Gallons							
Lighting									
	Interior Lighting								
	Fluorescent	30%			2026	\$35,000	10	\$1,800	
		Other Observation, Extent : N/A, 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.

Estimates are rounded to the nearest hundred dollars.

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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 : N/A, Area Affected : 90%**Location : Basement Boiler Room**Explanation : 2 Units*

Radiant Heater

10%

2036

* *

2

\$300

Distribution

Hot Wtr Piping/Pump

90%

2047

* *

4

\$300

No Component

10%

Terminal Devices

Convactor/Radiator

90%

2044

* *

1

\$1,900

No Component

10%

Air Conditioning

Energy Source

Electricity

100%

2047

* *

1

Conversion Equipment

Centrifugal, Elec Chiller

30%

2040

* *

1

\$2,100

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

Split Unit

10%

Now

\$1,600

2036

* *

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

No Component

60%

Distribution

CW & CHW Wtr

30%

2051

* *

4

\$100

Pipe/Pump

No Component

70%

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

Mechanical		Current Repair		Future Replacement		Maintenance			
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	\$1,100	
			Other Observation, Extent : Light, Area Affected : 30%						
			Location : Communication Equipment Room, Basement						
			Explanation : New Ductwork						
	No Component	70%							
Exhaust Fans									
	Roof	30%			2026	\$4,000	2	\$100	
	No Component	70%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2051	**	1		
Water Heater With Tanks									
	Electric	100%			2026	\$25,300	4		
Sanitary Piping									
	Cast Iron	50%			LIFE	**	1		
	Cast Iron	50%			LIFE	**	1		
Sump Pump(s)									
	Non-Submersible	100%			2031	\$1,400	4	\$100	
Sewage Ejector(s)									
	Electric	100%			2036	**	4	\$300	
Fixtures									
	Generic	100%							
Fire Suppression									
	Chemical System								
	Dry	100%			2030	\$17,500	1-3	\$72,600	
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Basement Communication Room						
			Explanation : Fm-200						

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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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$81,900	
Interior Architecture		\$522,500
Mechanical	\$43,100	\$534,700
Total	\$125,100	\$1,057,200
Importance Code A	\$81,900	
Importance Code B	\$43,100	\$534,700
Importance Code C		\$522,500
Total	\$125,100	\$1,057,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$50,700	\$700	\$2,000	
Interior Architecture	\$21,500		\$1,200	\$2,100
Electrical	\$3,500	\$9,600	\$1,100	\$1,000
Mechanical	\$3,900	\$5,300	\$5,000	\$2,900
Site Enclosure	\$26,800			
Site Pavements	\$13,600			
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$123,900	\$19,600	\$13,300	\$9,800
Importance Code A	\$51,100	\$1,200	\$2,500	\$500
Importance Code B	\$47,500	\$18,400	\$9,900	\$9,400
Importance Code C	\$25,200		\$900	
Total	\$123,900	\$19,600	\$13,300	\$9,800



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
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	\$81,900	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	\$500	
	Masonry: Limestone	10%	Now	\$27,700	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 : N/A, 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 : N/A, Area Affected : 100%									
Location : Throughout									
Explanation : Bullet Resistant Glass									
Roof									
	Clay Tile	95%	Now	\$23,000	2051	**			
Broken/Missing Elements, Extent : Severe, Area Affected : 5%									
Location : Throughout									
Other Observation, Extent : N/A, Area Affected : 2%									
Location : Woodhaven Boulevard Facade									
Explanation : Tree Fell On Side Of Building October 2019									
	Copper/Terne	5%			2059	**	10	\$4,900	
Interior									

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

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

Architecture		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Carpet	30%	4+	\$1,400	2030	\$71,100	3	\$6,200	
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : First Floor Main Area								
Cast in Place Concrete	20%	Now	\$4,600	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	\$1,300	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	**			
Ceramic Tile	5%			2040	**	5	\$900	
Fabric on Framing	20%			2032	\$522,500	5	\$1,800	
Gypsum Board	35%			LIFE	**	5	\$3,700	
Masonry: Brick	10%			LIFE	**			
Plaster	5%	Now	\$1,300	LIFE	**	5	\$300	
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 Is Not Resolved								
Plaster	15%			LIFE	**	5	\$800	

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-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	\$5,000	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 Struc: Concrete	20%			LIFE	**	5	\$400	
Exposed Struc: Steel	5%			LIFE	**			
Gypsum Board	10%			LIFE	**	5	\$1,700	
Plaster	5%	Now	\$1,000	LIFE	**	5	\$400	
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 Is Not Resolved								
Plaster	10%			LIFE	**	5	\$900	
Site Enclosure								
Fence/Gates								
Aluminum Rail	10%	Now	\$1,000	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	\$8,800	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	\$16,900	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		* *			
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Parking/Driveway

Asphalt	100%	Now	\$13,600	2040		* *			
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Potholes, Extent : Severe, Area Affected : 10%

Location : Rear Parking And Driveway

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

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2051		* *	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room Basement

Explanation : One 2,000 Ampere Main Disconnect Switch

Transformers

Dry Type	100%			2044		* *	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room Basement

Explanation : One 225 Kilovolt-ampere, 480/208/120 Volts

Switchgear / Switchboard

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

Conduit	100%			2051		* *	1		
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Panelboards

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

Thermoplastic	100%			2051		* *	1		
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Motor Controllers

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

Grounding Devices

Generic	100%			LIFE		* *	5	\$100	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Water Meter Room

Explanation : Connected To Main Water Pipe

Stand-by Power

Transfer Switches

Automatic	100%			2044		* *	1	\$3,000	
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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	\$2,400	5	\$400	
Fuel Storage									
	Day Tank	50%			2047	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Outside							
		Explanation : Two 265 Gallons							
	Underground Storage	50%			LIFE	* *	5		
		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 : N/A, 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							

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

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

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

Electrical		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 : N/A, Area Affected : 100%**Location : Basement**Explanation : 2 Units*

Distribution

Hot Wtr Piping/Pump

100%

2047

* *

4

\$500

Terminal Devices

Air Handler

55%

2031

\$92,700

1

\$3,100

Convactor/Radiator

20%

2036

* *

1

\$600

Fan Coil Unit/Heat

25%

2031

\$55,500

1

\$700

Air Conditioning

Energy Source

Electricity

100%

2047

* *

1

Conversion Equipment

Interior Pkg Unit -

Cooling

15%

2032

\$21,200

2

\$100

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

Reciprocating

Compr/Chiller

85%

2031

\$112,300

1

\$3,600

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

Distribution

CW & CHW Wtr

85%

2051

* *

4

\$400

Pipe/Pump

No Component

15%

Terminal Devices

Air Handler/Cool/Ht

35%

2031

\$60,800

1

\$2,000

Fan Coil - 4 Pipe

50%

2031

\$170,300

1

\$1,500

No Component

15%

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

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

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

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

Mechanical		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	\$22,000	2	\$5,400	
	Dry Cooler	15%			2036	* *	2	\$1,000	
Ventilation									
Distribution									
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$5,100	
Exhaust Fans									
	Interior	100%			2036	* *	2	\$300	
Plumbing									
H/C Water Piping									
	Brass/Copper	100%			2051	* *	1		
Water Heater With Tanks									
	Oil Fired	50%			2026	\$43,100	1		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Unit							
	Oil Fired	50%			2030	\$43,100	1		
		Other Observation, Extent : N/A, 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 : N/A, 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	\$2,400	1-3	\$11,200	
		Other Observation, Extent : N/A, 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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$579,500	\$322,600
Interior Architecture	\$50,200	
Electrical		\$83,200
Mechanical		\$189,400
Site Pavements	\$396,300	
Total	\$1,026,000	\$595,100
Importance Code A	\$579,500	\$322,600
Importance Code B	\$50,200	\$272,600
Importance Code C	\$396,300	
Total	\$1,026,000	\$595,100

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$164,100		\$600	
Interior Architecture	\$7,000	\$1,100		\$500
Electrical	\$4,000	\$900	\$3,000	\$1,000
Mechanical	\$2,300	\$1,200	\$23,600	\$1,200
Site Enclosure	\$14,500			
Site Pavements	\$20,000			
Total	\$211,800	\$3,200	\$27,200	\$2,600
Importance Code A	\$164,600	\$500	\$1,200	\$500
Importance Code B	\$10,200	\$2,000	\$26,000	\$2,100
Importance Code C	\$37,000	\$700		
Total	\$211,800	\$3,200	\$27,200	\$2,600



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

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

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

FIRE DEPARTMENT - 057
EMS 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	\$132,300	LIFE	* *	5	\$17,200	1
Cracking/Crumbling, Extent : Severe, Area Affected : 40%								
Location : Concrete Base 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 : Fire Department Garage. Perimeter Walls								
Vegetation Growth, Extent : Moderate, Area Affected : 10%								
Location : Base Of Building								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Front								
Explanation : Steel Column At Front Walk Way Rusting And Peeling Paint.								
Masonry: Brick Cavity	29%	0-2	\$186,200	LIFE	* *	5	\$10,000	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 30%								
Location : Front And Rear Facade								
Metal, Corrugated	20%	0-2	\$29,100	2052	* *	1		
Deteriorated Finish, Extent : Moderate, Area Affected : 50%								
Location : Corrugated Metal Panels Exterior Facades								
Metal Panel	20%	Now	\$24,400	2052	* *	5	\$12,900	1
Broken/Missing Elements, Extent : Severe, Area Affected : 30%								
Location : Rooftop Metal Enclosure Panels								
Corrosion/Rusting, Extent : Moderate, Area Affected : 50%								
Location : Bulkhead Stair And Rooftop Mechanical Enclosure. Emergency Medical Services Roof								
Deformed/Dented, Extent : Severe, Area Affected : 30%								
Location : Rooftop Enclosure Panels								
Metal Sect. OHD	10%	Now	\$53,500	2037	* *	5	\$5,400	
Corrosion/Rusting, Extent : Severe, Area Affected : 15%								
Location : Fire Department Garage Doors At Base And Framing								
Pre-Cast Concrete	5%	Now	\$26,700	LIFE	* *	5	\$5,600	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%								
Location : Throughout								
Weathering Steel	5%	Now	\$16,300	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%			2052	* *	5	\$1,300	

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
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								
Windows								
Aluminum	100%	0-2	\$20,000	2048	**	5	\$700	
Air Infiltration, Extent : Moderate, Area Affected : 20%								
Location : Front Facade								
Caulking Deteriorated, Extent : Light, Area Affected : 30%								
Location : Throughout								
Parapets								
Metal Rail	5%	Now		2045	**	5	\$200	
Corrosion/Rusting, Extent : Moderate, Area Affected : 30%								
Location : Bulkheads								
Deteriorated Finish, Extent : Moderate, Area Affected : 15%								
Location : Railing At Main Roof								
Pre-Cast Concrete	55%	Now	\$6,500	LIFE	**	5	\$2,400	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 40%								
Location : Parepet Copings								
Pre-Cast Concrete	40%	Now	\$2,400	LIFE	**	5	\$1,700	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%								
Location : Coping								
Roof								
Modified Bitumen	70%	Now	\$193,500	2032	\$322,600			
Ponding, Extent : Moderate, Area Affected : 20%								
Location : Emergency Medical Services Section								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Rear Of Building. Service Area And Morgue Storage Area								
Modified Bitumen	30%	0-2	\$13,800	2037	**			
Ponding, Extent : Moderate, Area Affected : 20%								
Location : Main Roof And Walkway Roof								
Soffits								
Metal Panel	100%	Now	\$38,500	2062	**	5	\$8,500	
Corrosion/Rusting, Extent : Severe, Area Affected : 50%								
Location : Underside Of Walkway Structural								
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								
Floors								
Cast in Place Concrete	70%	Now	\$50,200	LIFE	**	5	\$24,100	
Ponding, Extent : Moderate, Area Affected : 30%								
Location : Fire Department Garage Apparatus Floor								
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : Fire Department Apparatus Floor								
Explanation : Per Fire Department, Apparatus Floor Area Has No Floor Drain. Need Floor Drain For Engine Service								
Ceramic Tile	5%			2041	**	5	\$800	
Vinyl Tile	25%			2037	**	3	\$2,000	

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

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

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

Electrical		Current Repair		Future 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									
	Liquid Filled	100%			2030	\$28,600	5	\$100	
Other Observation, Extent : Moderate, Area Affected : 100%									
Location : Electrical Room									
Explanation : No Available Nameplate Ratings									
Switchgear / Switchboard									
	Fused Disc Sw	100%			2042	**	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Electrical Room									
Explanation : 2 Vertical Sections									
Raceway									
	Conduit	100%			2042	**	1		
Panelboards									
	Fused Disc Sw	5%			2040	**	5		
	Molded Case Bkrs	95%			2040	**	5	\$300	
Wiring									
	Thermoplastic	100%			2052	**	1		
Motor Controllers									
	Locally Mounted	50%			2037	**	5		
	Locally Mounted	50%			2030	\$9,800	5		
Ground									
Grounding Devices									
	Not Accessible	100%							
Stand-by Power									
Transfer Switches									
	Automatic	100%			2037	**	1	\$3,200	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Electrical Room									
Explanation : Three Automatic Transfer Switches No Available Nameplate Ratings									
Generators									
	Diesel	100%			2035	**	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%			2025	\$2,600	5	\$400	
Fuel Storage									
	Main Tank	100%			2047	**	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Outside									
Explanation : 275 Gallons Rated Capacity									
Lighting									

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

FIRE DEPARTMENT - 057
EMS 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									
	Interior Lighting								
	Fluorescent	85%			2032	\$83,200	10	\$8,200	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : 1st Floor And Boiler Room							
	HID	3%			2027	\$2,000	10		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : At The Garage							
		Explanation : 9 Hid Light Fixtures							
	LED	12%			2040	* *			
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : At The Lobby And Entrance							
		Explanation : LED Light							
Egress Lighting									
	Emergency, Service	50%			2032	\$3,500	1		
	Exit, Service	50%			2032	\$2,400	1		
Exterior Lighting									
	LED	20%			2040	* *			
	No Component	80%							
Alarm									
	Security System								
	No Component	80%							
	Generic	10%			2037	* *	1	\$400	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Interior							
		Explanation : Security Camera System							
	Generic	10%			2032	\$2,100	1	\$400	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Medical Examiner							
		Explanation : Security System							
Fire/Smoke Detection									
	No Component	80%							
	Generic, Digital	20%			2037	* *	1-3	\$1,300	
		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%			2052	* *	1		

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

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

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

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

Estimates are rounded to the nearest hundred dollars.

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

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

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

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

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : EMS BATTALION 40
Address : 5011 7TH AVENUE
Borough : BROOKLYN
Program / Asset # : FIRSECO.278 / 13164
Area Sq Ft : 5,478
Date of Survey : 19-Dec-2022
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 794 **Lot** : 5 **BIN** : 3013389
Agency's Number : N/A
Yr Built/Renovated : 1912 /
Project Type : FIRE DEPARTMENT
Landmark Status : NONE

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$151,600	\$69,700
Interior Architecture	\$552,900	\$140,800
Electrical	\$63,500	
Total	\$768,000	\$210,600
Importance Code A	\$151,600	\$69,700
Importance Code B	\$616,400	\$140,800
Total	\$768,000	\$210,600

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$26,500		\$1,100	\$9,200
Interior Architecture	\$56,600		\$3,700	\$1,000
Electrical	\$6,600	\$200	\$200	\$300
Mechanical	\$3,900	\$800	\$1,200	\$700
Site Pavements	\$1,900			
Total	\$95,600	\$1,000	\$6,200	\$11,100
Importance Code A	\$33,400	\$500	\$1,600	\$9,700
Importance Code B	\$9,900	\$400	\$4,600	\$1,100
Importance Code C	\$52,200			\$300
Total	\$95,600	\$1,000	\$6,200	\$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.

** 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	\$151,600	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	\$2,200	
Masonry: Limestone	15%			LIFE	**	5	\$6,500	
Wood Overhead Doors	15%			2039	**	5	\$21,800	
Windows								
Aluminum	100%	Now	\$12,700	2050	**	5	\$700	
Corrosion/Rusting, Extent : Moderate, Area Affected : 25%								
Location : Various Lintel Locations Throughout Building.								
Parapets								
Masonry: Brick	45%			LIFE	**	5-10	\$7,300	
Masonry: Sandstone	5%	Now	\$3,300	LIFE	**	5	\$200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Coping At Front Facade								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Worn/Eroded, Extent : Moderate, Area Affected : 15%								
Location : Coping At Front Facade								
Metal Panel	15%			2044	**	5	\$1,400	
Stucco Cement	35%			2047	**	5	\$2,200	
Roof								
Roll Roofing	100%			2033	\$69,700	5	\$18,300	
Interior								
Floors								
Cast in Place Concrete	35%	Now	\$275,900	LIFE	**	5	\$7,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 50%								
Location : Throughout Basement								
Horizontal Cracks, Extent : Moderate, Area Affected : 10%								
Location : Throughout Basement								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Apparatus Floor								
Explanation : Apparatus Floor Support By Lolly Columns From Below								
Ceramic Tile	5%	Now	\$1,300	2043	**	5	\$200	
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : 1st And 2nd Floor Bathroom								
Quarry Tile	5%			2047	**	5	\$700	
Vinyl Tile	55%			2034	\$140,800	3	\$2,600	

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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%			2043	**	5	\$700	
Gypsum Board	20%			LIFE	**	5-10	\$4,400	
Masonry: Brick	15%	Now	\$36,400	LIFE	**			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Bulkhead								
Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
Location : Hose Tower								
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	\$7,800	LIFE	**	5	\$2,000	
Water Penetration, Extent : Light, Area Affected : 10%								
Location : 2nd Floor Bathroom, Weight Room And Roof Scuttle								
Wood	10%			LIFE	**	5	\$10,400	
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : 2nd Floor Locker Room Area								
Explanation : Wood Paneling Finish								
Ceilings								
AcousTileSusp.Lay-In	53%			2047	**	5	\$6,700	
Exposed Struc: Concrete	30%	Now	\$277,000	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	**	5-10	\$3,700	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2044	**			
Free Standing Walls								
Cast in Place Concrete	100%			2054	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2039	**			
On-Site Walkways								
Cast in Place Concrete	100%			2039	**			
Parking/Driveway								
Cast in Place Concrete	100%			2039	**			

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FIRE DEPARTMENT - 057
EMS BATTALION 40
Asset # : 13164

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

Site Pavements

Activity Yard

Cast in Place Concrete 100% Now \$1,900 2039 * *

Ponding, Extent : Moderate, Area Affected : 20%

Location : Rear Yard

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

Under 600 Volts

Service Equipment

Molded Case Bkrs 100% 0-2 \$6,400 2064 * * 5 \$100

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

Location : Basement

Explanation : Main Service Disconnect Switch Rated At 350 Amperes And On Extended Life

Switchgear / Switchboard

Molded Case Bkrs 100% 0-2 \$63,500 2064 * * 5 \$100

On Extended Life, Extent : Severe, Area Affected : 100%

Location : Basement

Raceway

Conduit 100% 2034 \$36,000 1

Panelboards

Molded Case Bkrs 100% 2033 \$48,500 5 \$100

Wiring

Thermoplastic 100% 2034 \$32,500 1

Motor Controllers

Locally Mounted 100% 2032 \$17,800 5

Ground

Grounding Devices

Generic 100% LIFE * * 5 \$200

Lighting

Interior Lighting

Fluorescent 80% 2039 * * 10 \$4,000

Other Observation, Extent : N/A, Area Affected : 100%

Location : Throughout The Building

Explanation : T-8 Lamps

LED 20% 2042 * *

Egress Lighting

Exit, Service 100% 2034 \$2,300 1

Exterior Lighting

LED 20% 2042 * *

No Component 80%

Alarm

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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	

Alarm

Security System
Generic

100%

2034

\$10,000

1

\$2,100

Other Observation, Extent : N/A, Area Affected : 100%

Location : Stairways, 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%

2054

* *

1

Conversion Equipment

Steam Boiler

100%

2039

* *

1

\$5,400

Distribution

Steam Piping/Pump

100%

2044

* *

Terminal Devices

Convactor/Radiator

100%

2039

* *

1

\$1,800

Air Conditioning

Energy Source

Electricity

100%

2050

* *

1

Conversion Equipment

Split Unit

10%

2034

\$12,700

Window/Wall Unit

80%

2032

\$16,200

1

No Component

10%

Ventilation

Distribution

Ductwork/Diffusers

100%

LIFE

* *

2-5

\$4,800

Exhaust Fans

Roof

50%

2039

* *

2

\$100

Wall Unit

50%

2039

* *

2

\$100

Plumbing

H/C Water Piping

Brass/Copper

100%

2-4

\$1,400

2044

* *

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 With Tanks

Gas Fired

100%

2029

\$16,700

2

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

Location : Basement

Explanation : 75 Gallons

Sanitary Piping

Cast Iron

100%

LIFE

* *

1

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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
Plumbing								
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Non-Submersible	100%			2034	\$1,100	4	\$200	
		Other Observation, Extent : Light, Area Affected : 100%						
		Location : Basement						
		Explanation : Duplex Unit						
Fixtures								
Generic	100%							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$1,092,000	
Interior Architecture	\$1,576,800	
Mechanical		\$889,400
Site Pavements	\$414,800	
Total	\$3,083,600	\$889,400
Importance Code A	\$1,092,000	\$49,000
Importance Code B	\$1,778,200	\$840,500
Importance Code C	\$213,300	
Total	\$3,083,600	\$889,400

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$65,500	\$3,900		\$2,300
Interior Architecture	\$79,800	\$6,700	\$5,000	\$2,600
Electrical	\$3,100	\$3,000	\$5,900	\$2,900
Mechanical	\$19,500	\$1,900	\$4,500	\$39,600
Total	\$167,900	\$15,400	\$15,300	\$47,400
Importance Code A	\$66,700	\$5,000	\$1,300	\$3,500
Importance Code B	\$75,400	\$10,400	\$13,100	\$43,900
Importance Code C	\$25,800		\$900	
Total	\$167,900	\$15,400	\$15,300	\$47,400



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 Estimates are rounded to the nearest hundred dollars.

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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	\$25,800	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 And West Facades									
Vertical Cracks, Extent : Moderate, Area Affected : 10%									
Location : East Facade									
Masonry: Brick	10%	4+	\$39,600	LIFE	* *	5	\$2,500		
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%									
Location : Throughout									
Metal Panel	5%			2053	* *	5-10	\$8,500		
Metal Coiling Doors	10%			2046	* *	5	\$7,700		
Stucco Cement	65%	Now	\$886,000	2053	* *	5	\$20,000		
Broken/Missing Elements, Extent : Severe, Area Affected : 15%									
Location : At Northeast Corner									
Cracking/Crumbling, Extent : Severe, Area Affected : 30%									
Location : Corners, North And West Facades And Throughout									
Loose/Delam Surface, Extent : Severe, Area Affected : 2%									
Location : 52nd Avenue Facade									
Windows									
Aluminum	75%	4+	\$74,800	2049	* *	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	\$131,100	2058	* *	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	\$1,387,400	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%			2042	**	5	\$1,100		
Panel/Paver: Cer/Brk	5%			2041	**	5	\$4,200		
Quarry Tile	3%			2038	**	5	\$1,700		
Raised Access Floor	5%			2042	**	5	\$7,000		
Steel Plate	1%	Now	\$49,500	LIFE	**	1			
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+	\$76,100	2038	**	3	\$5,300		
Cracking/Crumbling, Extent : Severe, Area Affected : 20%									
Location : Throughout									
Interior Walls									
Ceramic Tile	5%			2042	**	5	\$1,900		
Concrete Masonry Unit	70%			LIFE	**	5	\$10,600		
Gypsum Board	25%	0-2	\$25,800	LIFE	**	5	\$5,700		
Cracking/Crumbling, Extent : Severe, Area Affected : 5%									
Location : Toilet Rooms									
Ceilings									
AcousTileConcealSpLn	20%			2046	**	5	\$9,300		
AcousTileSusp.Lay-In	15%	Now	\$4,500	2038	**	5	\$2,800		
Water Penetration, Extent : Moderate, Area Affected : 10%									
Location : Office									
Exposed Struc: Steel	65%	Now	\$113,300	LIFE	**				
Corrosion/Rusting, Extent : Moderate, Area Affected : 2%									
Location : Emergency Response Area									
Water Penetration, Extent : Moderate, Area Affected : 10%									
Location : Emergency Response Area									
Site Pavements									
Public Sidewalk									
Cast in Place Concrete	100%	Now	\$201,400	2046	**				
Cracking/Crumbling, Extent : Severe, Area Affected : 50%									
Location : 52nd Road, 52nd Avenue And 59th Street									
On-Site Walkways									
Cast in Place Concrete	100%			2046	**				

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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 \$213,300 2042 * *

*Cracking/Crumbling, Extent : Severe, Area Affected : 40%**Location : Throughout Parking Area**Misaligned/Bulging, Extent : Severe, Area Affected : 10%**Location : Parking Area**Potholes, Extent : Severe, Area Affected : 5%**Location : Parking Area*

Electrical	Current Repair			Future Replacement		Maintenance		
System Component Type	% 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 : Emergency Medical Services Area**Explanation : One 1,200 Ampere Main Disconnect Switch*

Switchgear / Switchboard

Fused Disc Sw

20% 2053 * * 5

Molded Case Bkrs

80% 2059 * * 5 \$600

Raceway

Conduit

50% 2033 \$18,000 1

Conduit

50% 2059 * * 1

Panelboards

Fused Disc Sw

2% 2032 \$1,000 5

Fused Disc Sw

2% 2055 * * 5

Molded Case Bkrs

30% 2032 \$14,500 5 \$200

Molded Case Bkrs

66% 2055 * * 5 \$500

Wiring

Thermoplastic

40% 2033 \$13,000 1

Thermoplastic

60% 2059 * * 1

Motor Controllers

Locally Mounted

100% 2046 * * 5 \$200

Ground

Grounding Devices

Generic

100% LIFE * * 5 \$400

Stand-by Power

Transfer Switches

Automatic

100% 2046 * * 1 \$8,300

Generators

Diesel

100% 2042 * * 1 \$10,500

*Other Observation, Extent : Light, Area Affected : 100%**Location : Right Side Of The Building**Explanation : One 83 Kilowatts*

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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									
Batteries									
	Lead/Acid	100%			2027	\$2,400	5	\$1,000	
Fuel Storage									
	Day Tank	50%			2049	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Generator Room Outside									
Explanation : One 60 Gallons									
	Main Tank	50%			2061	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Outside									
Explanation : One 250 Gallons Rated Capacity									
Lighting									
Interior Lighting									
	LED	100%			2041	* *			
Egress Lighting									
	Emergency, Service	50%			2033	\$7,500	1		
	Exit, Service	50%			2033	\$5,200	1		
Exterior Lighting									
	LED	30%			2041	* *			
	No Component	70%							
Alarm									
Security System									
	Generic	100%			2033	\$49,500	1	\$10,100	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Inside And Outside									
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	5%			2043	* *	1		
	Natural Gas	95%			2043	* *	1		

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

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Conversion Equipment								
	Furnace	10%			2038	* *	1	\$1,200	
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Roof							
		Explanation : Total Five Rooftop Units. One Abandoned Package Unit							
	Furnace	20%			2033	\$15,100	1	\$2,500	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Roof							
		Explanation : 2 Rooftop Units							
	Furnace	20%			2038	* *	1	\$2,500	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Roof							
		Explanation : 2 Rooftop Package Units							
	Furnace	45%			2033	\$33,900	1	\$5,500	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Apparatus Floor And Radio Shop Ceiling							
		Explanation : 4 Gasoline Fired Modine Heaters							
	Radiant Heater	5%			2033	\$31,500	2	\$600	
Air Conditioning									
	Energy Source								
	Electricity	100%			2041	* *	1		
	Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	30%			2033	\$122,100	2	\$500	
		R-22 Refrigerant, Extent : Light, Area Affected : 100%							
		Location : Roof							
		Other Observation, Extent : N/A, Area Affected : 30%							
		Location : Roof							
		Explanation : 2 Units							
	Ext Pkg Unit - Heating/Cooling	30%			2038	* *	2	\$500	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Roof							
		Explanation : 2 Units Using Refrigerant R-410a							
	Window/Wall Unit	10%			2028	\$9,200	1		
	No Component	30%							
	Dehumidifier								
	No Component	80%							
	Generic	20%			2034	\$718,400			
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Radio Shop							
		Explanation : 2 Units							
Ventilation									
	Distribution								
	Ductwork/Diffusers	80%			LIFE	* *	2-5	\$11,100	
	Ductwork/Diffusers	20%			LIFE	* *	2-5	\$2,800	

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
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									
	Exhaust Fans								
	Roof	60%			2033	\$28,200	2	\$500	
	Wall Unit	10%			2028	\$1,000	2	\$100	
	No Component	30%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2043	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2028	\$16,700	2		
	Sanitary Piping								
	Cast Iron	100%	0-2	\$15,300	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 10%							
		Location : Apparatus Floor							
	Storm Drain Piping								
	Cast Iron	100%	0-2	\$1,700	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 10%							
		Location : Roof							
	Backflow Preventer								
	Generic	100%			2028	\$10,800	1	\$1,500	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Sprinkler								
	Generic	100%			2043	* *	1-2	\$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.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : EMS STATION 10 YORKVILLE STATION
Address : 1918 1ST AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.010 / 13984 **Yr Built/Renovated** :
Area Sq Ft : 2,900 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Oct-2022 **Landmark Status** : NONE
Areas Surveyed : Floors 1
Block : 1691 **Lot** : 1 **BIN** : 1052997

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Mechanical		\$67,300
Total		\$67,300
Importance Code B		\$67,300
Total		\$67,300

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$7,100			
Interior Architecture	\$11,800		\$200	\$500
Electrical	\$400	\$400	\$400	\$400
Mechanical	\$1,200	\$200	\$1,100	\$200
Site Pavements	\$26,600			
Total	\$47,100	\$600	\$1,800	\$1,100
Importance Code A	\$7,100			
Importance Code B	\$5,200	\$600	\$1,800	\$600
Importance Code C	\$34,800			\$500
Total	\$47,100	\$600	\$1,800	\$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 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	\$13,300	
	Windows								
	Aluminum	100%			2050	* *	5	\$900	
	Roof								
	Not Accessible	100%							
Interior									
	Floors								
	Cast in Place Concrete	10%			LIFE	* *	5	\$900	
	Vinyl Tile	90%			2039	* *	3	\$700	
	Interior Walls								
	Ceramic Tile	10%			2043	* *	5	\$1,000	
	Gypsum Board	80%			LIFE	* *	5-10	\$13,500	
	SGFT/Glazed Masonry	10%			LIFE	* *	10	\$500	
	Ceilings								
	Plaster	100%			LIFE	* *	5-10	\$3,400	
Site	Enclosure								
	Fence/Gates								
	Chain Link	100%			2054	* *			
Site	Pavements								
	Public Sidewalk								
	Cast in Place Concrete	100%	Now	\$1,000	2047	* *			
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : 99th Street								
	On-Site Walkways								
	Cast in Place Concrete	100%			2047	* *			
	Parking/Driveway								
	Asphalt	90%	Now	\$25,600	2043	* *			
	Ponding, Extent : Moderate, Area Affected : 15%								
	Location : Northeast Corner								
	Cast in Place Concrete	10%			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								
	Under Construction	100%							
		Other Observation, Extent : N/A, Area Affected : 0%							
		Location : North Edge Of Parking Lot							
		Explanation : Presently Served By Hospital							
	Raceway								
	Conduit	100%			2054	* *	1		
	Panelboards								
	Molded Case Bkrs	100%			2050	* *	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 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									
Wiring									
	Thermoplastic	100%			2054	* *	1		
Motor Controllers									
	Locally Mounted	100%			2047	* *	5		
Stand-by Power									
Transfer Switches									
	Automatic	100%			2039	* *	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									
	LED	100%			2042	* *			
Egress Lighting									
	Emergency, Battery	50%			2039	* *	10	\$400	
	Exit, LED	50%			2062	* *	1		
Exterior Lighting									
	LED	20%			2042	* *			
	No Component	80%							
Alarm									
Security System									
	Generic	100%			2039	* *	1	\$1,100	
Other Observation, Extent : Moderate, Area Affected : 100%									
Location : Exterior And Interior									
Explanation : Cameras Security System									
Fire/Smoke Detection									
	Generic, Digital	100%			2042	* *	1-3	\$1,800	
Other Observation, Extent : Moderate, Area Affected : 100%									
Location : Throughout The Building									
Explanation : All Devices Connected To The Main Fire Alarm Panel Located At The Hospital									

Mechanical		Current Repair			Future 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	100%			2054	* *	1		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Adjacent Space							
		Explanation : Hot Water Is Provided By The Adjacent Space							
	Terminal Devices								
	Convactor/Radiator	100%			2047	* *	1	\$900	
Air Conditioning									
	Energy Source								
	Electricity	100%			2050	* *	1		

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
EMS STATION 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
Air Conditioning									
	Conversion Equipment								
	Split Unit	100%			2034	\$67,300			
	Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2	\$4,700	
Ventilation									
	Distribution								
	Ductwork/Diffusers	15%			LIFE	* *	2-5	\$400	
	No Component	85%							
	Exhaust Fans								
	No Component	85%							
	Not Accessible	15%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2054	* *	1		
	Water Heater With Tanks								
	Electric	100%			2032	\$23,100	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%			2054	* *	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

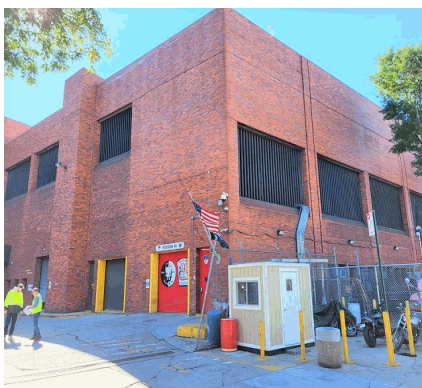
Asset Name : EMS STATION 14 SOUTH BRONX STATION
Address : LINCOLN HOSPITAL 234 EAST 149TH STREET
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSEMS.014 / 13986 **Yr Built/Renovated** : 1976 / 2012
Area Sq Ft : 3,500 **Project Type** : FIRE DEPARTMENT
Date of Survey : 23-Sep-2022 **Landmark Status** : NONE
Areas Surveyed : Floors 1
Block : 2335 **Lot** : 16 **BIN** : 2097050

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$17,200		\$1,200	
Interior Architecture	\$9,400			\$200
Electrical	\$400	\$300	\$400	\$300
Mechanical	\$1,400	\$300	\$7,800	\$300
Site Pavements	\$22,600			
Total	\$50,900	\$600	\$9,400	\$800
Importance Code A	\$17,200		\$1,200	
Importance Code B	\$32,700	\$600	\$8,300	\$800
Importance Code C	\$900			
Total	\$50,900	\$600	\$9,400	\$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 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	\$13,500	
	Metal Coiling Doors	10%			2047	* *	5	\$2,300	
Windows									
	Aluminum	100%	Now	\$10,500	2042	* *	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	\$5,200	
	Ceramic Tile	5%			2043	* *	5	\$200	
	Sheet Vinyl/Rubber	50%			2039	* *	5	\$3,000	
	Vinyl Tile	15%	4+	\$1,600	2034	\$16,100	3	\$200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%									
Location : Rest Area									
Interior Walls									
	Ceramic Tile	2%			2043	* *	5		
	Concrete Masonry Unit	88%			LIFE	* *	5	\$1,400	
	Gypsum Board	10%			LIFE	* *	5-10	\$300	
Ceilings									
	AcousTileConcealSpLn	3%	Now	\$100	2039	* *	5	\$100	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%									
Location : Offices									
	AcousTileSusp.Lay-In	2%			2047	* *	5	\$100	
	Exposed Struc: Concrete	95%			LIFE	* *	5-10	\$4,700	
Site Pavements									
Public Sidewalk									
	Cast in Place Concrete	100%	4+	\$22,600	2047	* *			
Misaligned/Bulging, Extent : Moderate, Area Affected : 10%									
Location : 149th Street									
Parking/Driveway									
	Cast in Place Concrete	100%			2047	* *			

Electrical		Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Under 600 Volts									
Transformers									
Dry Type	100%			2047	* *	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%			2054	* *	1		
	Panelboards								
	Fused Disc Sw	5%			2050	* *	5		
	Molded Case Bkrs	95%			2050	* *	5	\$100	
	Wiring								
	Thermoplastic	100%			2054	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2047	* *	5		
Ground									
	Grounding Devices								
	Not Accessible	100%							
Lighting									
	Interior Lighting								
	Fluorescent	80%			2034	\$23,800	10	\$2,600	
	T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
	Location : Throughout								
	LED	20%			2042	* *			
	Egress Lighting								
	Emergency, Battery	50%			2034	\$2,900	10	\$400	
	Exit, Battery	50%			2034	\$2,400	10	\$100	
	Exterior Lighting								
	HID	20%			2034	\$3,200	10		
	No Component	80%							
Alarm									
	Security System								
	Generic	100%			2039	* *	1	\$1,300	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Oudide And Inside The Building								
	Explanation : Cameras Security System								
	Fire/Smoke Detection								
	Generic, Digital	100%			2039	* *	1-3	\$2,200	

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									
	Distribution								
	Steam Piping/Pump	100%			2034	\$27,400			
	Terminal Devices								
	Convactor/Radiator	30%			2032	\$8,400	1	\$300	
	Fan Coil Unit/Heat	50%			2029	\$42,400	1	\$600	
	Unit Heater - Steam	20%			2034	\$3,900	4	\$100	
Air Conditioning									
	Energy Source								
	Electricity	100%			2042	* *	1		

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

Estimates are rounded to the nearest hundred dollars.

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

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

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

Mechanical		Current Repair		Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
	Conversion Equipment							
	Window/Wall Unit	50%		2027	\$6,500	1		
	No Component	50%						
	<i>Other Observation, Extent : Light, Area Affected : 0%</i>							
	<i>Location :</i>							
	<i>Explanation : Chilled Water Supplied From Hospital</i>							
	Distribution							
	Ductwork/Diffusers	100%		LIFE	* *	2	\$5,700	
	Terminal Devices							
	Fan Coil - 4 Pipe	50%		2029	\$32,500	1	\$600	
	No Component	50%						
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%		2044	* *	1		
	Sanitary Piping							
	Cast Iron	100%		LIFE	* *	1		
	Backflow Preventer							
	Not Accessible	100%						
	Fixtures							
	Generic	100%						
Fire Suppression								
	Sprinkler							
	Generic	100%		2044	* *	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 22-Sep-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 4832 **Lot** : 6 **BIN** : 2087346

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$226,200	\$74,700
Total	\$226,200	\$74,700
Importance Code A	\$226,200	\$74,700
Total	\$226,200	\$74,700

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$54,300			
Interior Architecture	\$73,200		\$100	\$700
Electrical	\$10,800	\$500	\$2,900	\$500
Mechanical	\$7,100	\$500	\$500	\$400
Site Enclosure	\$500			
Site Pavements	\$8,200			
Total	\$154,000	\$1,000	\$3,600	\$1,600
Importance Code A	\$54,500	\$200	\$200	\$200
Importance Code B	\$71,200	\$800	\$3,300	\$1,100
Importance Code C	\$28,300			\$300
Total	\$154,000	\$1,000	\$3,600	\$1,600



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

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

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

FIRE DEPARTMENT - 057
EMS STATION 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 : 10%								
Location : Side Driveway To Basement								
Masonry: Limestone	10%			LIFE	**	5	\$2,600	
Wood Overhead Doors	5%	2-4	\$2,500	2047	**	5	\$2,200	
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : Throughout								
Windows								
Aluminum	10%			2050	**	5	\$200	
Aluminum	10%	Now	\$8,600	2059	**	5	\$100	
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 2%								
Location : 3rd Floor Dormitory And Locker Room								
Wood	80%	Now	\$11,600	2050	**	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, 2nd Floor Window In Lieutenants Office								
Parapets								
Cast Stone/Terra Cotta	15%			LIFE	**	5-10	\$7,200	
Masonry: Brick	80%	Now	\$167,200	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	**	5-10	\$1,100	
Other Observation, Extent : N/A, Area Affected : 5%								
Location : Parapet Coping								
Explanation : Actually Slate Coping Stones								
Roof								
Built-Up (BUR)	95%	Now	\$59,000	2044	**			
Blisters, Extent : Severe, Area Affected : 20%								
Location : Main Roof								
Patching Evident, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Worn/Eroded, Extent : Severe, Area Affected : 30%								
Location : Main Roof								
Skylight, Metal/Glass	5%			2034	\$74,700	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 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	\$33,800	LIFE	* *	5	\$8,900	
Horizontal Cracks, Extent : Severe, Area Affected : 100%								
Location : Throughout Basement, Apparatus Floor								
Vinyl Tile	40%	Now	\$8,800	2039	* *	3	\$1,200	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : 3rd Floor								
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : 2nd Floor								
Worn/Eroded, Extent : Severe, Area Affected : 20%								
Location : 2nd Floor								
Vinyl Tile	10%			2039	* *	3	\$300	
Interior Walls								
Cast in Place Concrete	2%			LIFE	* *	10	\$700	
Ceramic Tile	4%			2043	* *	5	\$500	
Concrete Masonry Unit	20%			LIFE	* *	5	\$2,200	
Gypsum Board	20%	Now	\$700	LIFE	* *	5	\$1,600	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Throughout								
Masonry: Brick	20%	2-4	\$10,000	LIFE	* *			
Efflorescence, Extent : Moderate, Area Affected : 10%								
Location : Throughout Basement								
Worn/Eroded, Extent : Moderate, Area Affected : 5%								
Location : Throughout Basement								
Plaster	20%	Now	\$3,200	LIFE	* *	5	\$800	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Basement, Stairways								
Paint Peeling, Extent : Severe, Area Affected : 20%								
Location : Throughout Basement								
SGFT/Glazed Masonry	12%	4+	\$2,800	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : Throughout								
Wood	2%			LIFE	* *	5	\$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
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									
	Ceilings								
	Embossed Metal	5%	4+	\$200	LIFE	* *	5	\$200	
		Paint Peeling, Extent : Moderate, Area Affected : 2%							
		Location : Throughout							
	Gypsum Board	40%	Now	\$1,100	LIFE	* *	5	\$4,100	
		Cracking/Crumbling, Extent : Severe, Area Affected : 5%							
		Location : Throughout							
	Plaster	40%	Now	\$9,700	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									
	Fence/Gates								
	Chain Link	100%	Now	\$500	2054	* *			
		Broken/Missing Elements, Extent : Severe, Area Affected : 5%							
		Location : Entrance To Driveway							
	Free Standing Walls								
	Masonry: Brick	100%			2054	* *			
	Retaining Walls								
	Cast in Place Concrete	100%			2069	* *			
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%			2047	* *			
	On-Site Walkways								
	Cast in Place Concrete	100%	Now	\$2,100	2047	* *			
		Cracking/Crumbling, Extent : Severe, Area Affected : 20%							
		Location : Rear Of Building							
		Other Observation, Extent : Severe, Area Affected : 5%							
		Location : Basement From Rear Yard Area							
		Explanation : Water Penetration							
	Parking/Driveway								
	Asphalt	100%	0-2	\$6,000	2043	* *			
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : Throughout							

Electrical		Current Repair			Future Replacement		Maintenance		Priority
System	Component	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost	
	Type	Total	(Years)		FY		(Yrs)		
Under 600 Volts									
Service Equipment									
	Fused Disc Sw	100%			2054		* *	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
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
Under 600 Volts									
	Raceway								
	Conduit	100%			2054	**	1		
	Panelboards								
	Molded Case Bkrs	100%			2050	**	5	\$100	
	Wiring								
	Thermoplastic	100%			2054	**	1		
	Motor Controllers								
	Locally Mounted	100%			2039	**	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%			2039	**	1	\$1,500	
	Generators								
	Diesel	100%			2037	**	1	\$1,900	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Rear Yard							
		Explanation : Emergency Generator Rated At 50 Kilovolt Ampere 40 Kilowatts.							
	Batteries								
	Lead/Acid	100%			2027	\$2,400	5	\$200	
	Fuel Storage								
	Main Tank	100%			2049	**	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Rear Yard							
		Explanation : 50 Gallons Rated Capacity							
Lighting									
	Interior Lighting								
	Fluorescent	50%			2034	\$21,200	10	\$2,300	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Throughout The Building							
		Explanation : T-8 Lamps							
	LED	50%			2042	**			
	Egress Lighting								
	Emergency, Service	45%			2034	\$1,400	1		
	Emergency, Battery	5%			2034	\$400	10	\$100	
	Exit, Service	50%			2034	\$1,100	1		
	Exterior Lighting								
	LED	20%			2042	**			
	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
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

Alarm

Security System
Generic

100%

2039

* *

1

\$1,900

*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%

2054

* *

1

Conversion Equipment

Furnace

30%

2034

\$4,600

1

\$700

*Other Observation, Extent : N/A, Area Affected : 100%**Location : 1 Unit In Basement, 1 Unit In Apparatus Floor**Explanation : 2 Units*

Hot Water Boiler

70%

2032

\$36,300

1

\$1,700

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One Unit*

Distribution

Hot Wtr Piping/Pump

100%

2042

* *

4

\$400

Terminal Devices

Convactor/Radiator

65%

2032

\$26,000

1

\$1,100

Fan Coil Unit/Heat

5%

2034

\$6,100

1

\$100

No Component

30%

Air Conditioning

Energy Source

Electricity

100%

2042

* *

1

Conversion Equipment

Window/Wall Unit

50%

2029

\$9,300

1

*Broken, Extent : Moderate, Area Affected : 10%**Location : 2nd Floor Unit*

No Component

50%

Plumbing

H/C Water Piping

Brass/Copper

100%

Now

\$1,300

2044

* *

1

*Corroded, Extent : Severe, Area Affected : 5%**Location : Water Main And Piping, Basement*

Water Heater With Tanks

Gas Fired

100%

2029

\$16,700

2

*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
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
Plumbing									
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%			2027	\$200	4	\$200	
	Fixtures								
	Generic	100%							
		Obsolete Fixtures, Extent : Moderate, Area Affected : 10%							
		Location : 1st Floor Toilet							
Fire Suppression									
	Sprinkler								
	No Component	80%							
	Generic	20%	2-4	\$5,400	2064	* *	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.
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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 16-Feb-2023 **Landmark Status** : NONE
Areas Surveyed : Floors 1
Block : 1731 **Lot** : 1 **BIN** : 1082168

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$104,500	\$144,500
Total	\$104,500	\$144,500
Importance Code B	\$104,500	\$144,500
Total	\$104,500	\$144,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$34,900			
Interior Architecture	\$10,800		\$200	\$700
Electrical	\$1,300	\$300	\$400	\$400
Mechanical	\$400	\$100	\$300	\$100
Site Pavements	\$16,700			
Total	\$64,100	\$400	\$900	\$1,100
Importance Code A	\$34,900			
Importance Code B	\$8,900	\$400	\$700	\$1,100
Importance Code C	\$20,300		\$200	
Total	\$64,100	\$400	\$900	\$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 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%	4+	\$34,900	LIFE	**	5	\$15,100	
	Paint Peeling, Extent : Severe, Area Affected : 80%							
	Location : Decontamination Bay							
Interior								
Floors								
Terrazzo	10%	0-2	\$2,700	LIFE	**	5	\$500	
	Cracking/Crumbling, Extent : Light, Area Affected : 20%							
	Location : Throughout							
Vinyl Tile	90%	Now	\$2,900	2034	\$144,500	3	\$2,000	
	Cracking/Crumbling, Extent : Light, Area Affected : 20%							
	Location : Throughout							
Interior Walls								
Ceramic Tile	5%			2037	**	5	\$400	
Glass: Single Pane	5%			LIFE	**	5	\$600	
Marble Panels	5%			LIFE	**	10	\$200	
Plaster	85%	Now	\$3,200	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	80%	Now	\$1,500	2047	**	5	\$2,400	
	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 Struc: Concrete	20%	Now	\$104,500	LIFE	**	5	\$200	
	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%			2044	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2039	**			
Parking/Driveway								
Cast in Place Concrete	100%	4+	\$16,700	2039	**			
	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%			2044	* *	1		
	Panelboards								
	Molded Case Bkrs	100%			2042	* *	5	\$100	
	Wiring								
	Thermoplastic	100%			2044	* *	1		
Lighting									
	Interior Lighting								
	Fluorescent	100%			2034	\$29,700	10	\$3,200	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Throughout							
	Egress Lighting								
	Emergency, Service	50%			2034	\$1,100	1		
	Exit, Service	50%			2034	\$700	1		
	Exterior Lighting								
	HID	30%	Now	\$1,000	2034	\$4,800			
		Malfunctioning, Extent : Moderate, Area Affected : 20%							
		Location : Building Exterior							
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Building Exterior							
		Explanation : Controlled Via Photocell							
	No Component	70%							
Alarm									
	Security System								
	Generic	100%			2042	* *	1	\$1,300	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Main Entrance							
		Explanation : CCTV Surveillance Cameras							
	Fire/Smoke Detection								
	Generic, Digital	100%			2034	\$8,800	1-3	\$2,200	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Throughout The Building							
		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%			2044	* *	1		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Throughout							
		Explanation : Supplied From Harlem Hospital							
	No Component	75%							

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

FIRE DEPARTMENT - 057
EMS STATION 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
Heating									
	Distribution								
	Steam Piping/Pump	25%			2044	**			
	No Component	75%							
Terminal Devices									
	Convactor/Radiator	25%			2047	**	1	\$300	
	No Component	75%							
Controls									
	Electrical	100%			2032	\$19,000			
Air Conditioning									
	Energy Source								
	Electricity	100%			2050	**	1		
Conversion Equipment									
	Exterior Pkg Unit - Cooling	25%			2042	**	2	\$100	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Hospital Roof							
		Explanation : No Access							
	Split Unit	5%			2034	\$4,100			
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Medical Equipment Room Lounge							
		Explanation : 2 Units. 1 Wall Mounted And 1 Ceiling Cassette.							
	Window/Wall Unit	5%	0-2	\$100	2029	\$600	1		
		Not in Service, Extent : Moderate, Area Affected : 5%							
		Location : 1st Floor. Two Window/Wall Units Are Not Working							
	No Component	65%							
Distribution									
	Ductwork/Diffusers	25%			LIFE	**	2	\$1,400	
	No Component	75%							
Ventilation									
	Exhaust Fans								
	Roof	100%			2034	\$6,600	2	\$100	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2054	**	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Electrical		\$50,800
Total		\$50,800
Importance Code B		\$50,800
Total		\$50,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$2,700	\$3,700		\$15,900
Interior Architecture		\$1,900	\$500	
Electrical	\$1,000	\$1,100	\$3,500	\$1,000
Mechanical	\$900	\$500	\$2,600	\$17,200
Site Pavements	\$8,100			
Total	\$12,700	\$7,300	\$6,600	\$34,100
Importance Code A	\$2,700	\$4,200	\$100	\$16,400
Importance Code B	\$1,800	\$3,100	\$6,200	\$17,700
Importance Code C	\$8,100		\$300	
Total	\$12,700	\$7,300	\$6,600	\$34,100



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

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

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

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

Architecture		Current Repair		Future Replacement		Maintenance		Priority	
System	Component	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle		Estimated Cost
	Type	Total	(Years)		FY		(Yrs)		
Exterior									
Exterior Walls									
	Alum/Vinyl Siding	20%			2053	**	10	\$1,000	
	Concrete Masonry Unit	10%			LIFE	**	5	\$1,000	
	Masonry: Brick Cavity	55%			LIFE	**	5	\$8,800	
	Metal Sect. OHD	15%			2046	**	5	\$7,500	
Windows									
	Aluminum	100%			2049	**	5	\$600	
Parapets									
	Masonry: Brick	90%			LIFE	**	5	\$1,500	
	Pre-Cast Concrete	10%	4+	\$2,700	LIFE	**	5	\$1,100	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%									
Location : Coping									
Roof									
	Modified Bitumen	75%			2038	**	10	\$12,600	
	Single Ply Membrane	20%			2038	**	10	\$3,400	
	Sloped Glazing	5%			LIFE	**	5	\$11,200	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Above Exterior Awning Over Vehicle Entrance									
Explanation : Plastic Glazing									
Soffits									
	Metal, Corrugated	100%			2053	**	1		
Interior									
Floors									
	Cast in Place Concrete	65%			LIFE	**	5	\$12,700	
	Ceramic Tile	5%			2042	**	5	\$400	
	Vinyl Tile	30%			2038	**	3	\$1,000	
Interior Walls									
	Ceramic Tile	5%			2042	**	5	\$500	
	Concrete Masonry Unit	60%			LIFE	**	5	\$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%			2046	**	5	\$3,100	
	Exposed Struc: Steel	65%			LIFE	**			
Site Enclosure									
Fence/Gates									
	Cast in Place Concrete	15%			2068	**			
	Chain Link	85%			2053	**			
Site Pavements									
Public Sidewalk									
	Cast in Place Concrete	100%			2038	**			
On-Site Walkways									
	Asphalt	40%			2036	**			
	Cast in Place Concrete	60%			2038	**			

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

Estimates are rounded to the nearest hundred dollars.

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

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

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

Architecture		Current Repair			Future Replacement		Maintenance		
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% 4+ \$8,100 2036 * *
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% 2053 * * 5
Other Observation, Extent : Light, Area Affected : 100%
Location : Electrical Room
Explanation : Main Service Switch Rated At 600 Amperes

Switchgear / Switchboard

Fused Disc Sw

100% 2053 * * 5

Raceway

Conduit

100% 2053 * * 1

Panelboards

Fused Disc Sw

20% 2049 * * 5

Molded Case Bkrs

80% 2049 * * 5 \$100

Wiring

Thermoplastic

100% 2053 * * 1

Motor Controllers

Locally Mounted

100% 2046 * * 5

Ground

Grounding Devices

Generic

100% LIFE * * 5 \$100

Stand-by Power

Transfer Switches

Automatic

100% 2046 * * 1 \$1,800

Generators

Diesel

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

Batteries

Lead/Acid

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

Fuel Storage

Day Tank

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

Lighting

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

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

Electrical		Current Repair		Future Replacement		Maintenance		
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 \$50,800 10 \$5,500

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

Location : Throughout The Building

Explanation : T-8 Lamps

Egress Lighting

Emergency, Service

50% 2038 * * 1

Exit, LED

50% 2061 * * 1

Exterior Lighting

LED

20% 2041 * *

No Component

80%

Alarm

Security System
Generic

100% 2038 * * 1 \$2,200

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

Location : Interior And Exterior

Explanation : Cameras Security System

Fire/Smoke Detection

Generic, Digital

100% 2038 * * 1-3 \$3,700

Not in Service, Extent : Severe, Area Affected : 100%

Location : 1st 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% 2053 * * 1

Conversion Equipment

Furnace

30% 2033 \$5,500 1 \$900

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

Location : Roof

Explanation : 1 Natural Gasoline Fired Packaged Rooftop Unit

Radiant Heater

70% 2038 * * 2 \$1,900

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

Location : Garage

Explanation : 3 Natural Gasoline Fired Space Heaters

Terminal Devices

Fan Coil Unit/Heat

10% 0-2 \$700 2038 * * 1 \$200

Broken, Extent : Moderate, Area Affected : 10%

Location : 1st Floor. One Cracked Fan Coil

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%			2049	* *	1		
	Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling Split Unit	30%			2033	\$29,500	2	\$100	
	No Component	2%			2033	\$2,800			
		68%							
	Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2	\$7,800	
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$3,300	
	Exhaust Fans								
	Roof	60%			2033	\$6,800	2	\$100	
	Wall Unit	40%			2033	\$1,000	2	\$100	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2053	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2028	\$16,700	2		
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Backflow Preventer								
	Generic	100%			2033	\$2,600	1	\$400	
	Fixtures								
	Generic	100%							
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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$58,900	\$90,600
Interior Architecture		\$102,600
Electrical		\$99,500
Total	\$58,900	\$292,700
Importance Code A	\$58,900	\$90,600
Importance Code B		\$202,100
Total	\$58,900	\$292,700

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$57,000			
Interior Architecture	\$51,900			\$500
Electrical	\$35,400	\$800	\$800	\$900
Mechanical	\$7,200	\$500	\$1,300	\$500
Total	\$151,400	\$1,300	\$2,100	\$1,900
Importance Code A	\$69,600	\$300	\$300	\$300
Importance Code B	\$50,600	\$1,000	\$1,800	\$1,600
Importance Code C	\$31,200			
Total	\$151,400	\$1,300	\$2,100	\$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
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	\$58,900	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+	\$6,900	2036	**	5	\$6,100		
	Deformed/Dented, Extent : Light, Area Affected : 10%								
	Location : Lower Panels Of All Bay Doors								
Pre-Cast Concrete	5%			LIFE	**	5	\$3,200		
Windows									
Aluminum	100%	0-2	\$2,100	2047	**	5	\$1,100		
	Cttrwt/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	\$1,100		
Roof									
Built-Up (BUR)	20%	Now	\$7,300	2036	**				
	Miss/Damaged Flashings, Extent : Moderate, Area Affected : 10%								
	Location : Lower Roof								
Modified Bitumen	80%	0-2	\$36,200	2031	\$90,600				
	Blisters, Extent : Moderate, Area Affected : 20%								
	Location : Upper Roof								
Interior									
Floors									
Cast in Place Concrete	55%	Now	\$9,900	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	\$10,300	2031	\$102,600	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		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Interior									
Interior Walls									
Ceramic Tile	10%			2040	**	5	\$1,500		
Concrete Masonry Unit	10%			LIFE	**	5	\$600		
Gypsum Board	10%			LIFE	**	5	\$900		
Masonry: Brick	10%			LIFE	**				
Masonry: Fieldstone	10%	Now	\$26,900	LIFE	**				
Other Observation, Extent : Severe, Area Affected : 25%									
Location : Basement									
Explanation : Water Penetration									
Plaster	50%	Now	\$3,600	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	\$2,000		
Exposed Struc: Concrete	5%			LIFE	**	5	\$100		
Exposed Struc: Steel	15%			LIFE	**				
Site Enclosure									
Free Standing Walls									
Masonry: Brick	100%			2041	**				
Retaining Walls									
Cast in Place Concrete	100%			2051	**				
Site Pavements									
Public Sidewalk									
Cast in Place Concrete	100%			2044	**				
On-Site Walkways									
Cast in Place Concrete	100%			2044	**				
Parking/Driveway									
Cast in Place Concrete	100%			2044	**				

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% 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	\$5,900	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	

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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	\$99,500	1	\$2,500	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Outside							
		Explanation : Emergency Generator Rated At 40 Kilowatts							
	Batteries								
	Lead/Acid	100%			2025	\$2,400	5	\$200	
	Fuel Storage								
	Main Tank	100%			2046	**	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Building Backyard							
		Explanation : No Available Nameplate Rating Capacity							
Lighting									
	Interior Lighting								
	Fluorescent	60%			2031	\$33,100	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	\$2,000	1		
	Exit, LED	50%			2046	**	1		
	Exterior Lighting								
	HID	100%			2031	\$29,600	10		
Alarm									
	Fire/Smoke Detection								
	Generic, Analog	100%	Now	\$16,400	2041	**	1-3	\$3,600	
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Throughout The Building							
		Explanation : Fire Alarm Is Not Operational.							

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** 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	\$6,700	2036	**	1	\$2,900	
	Malfunctioning, Extent : Severe, Area Affected : 10%								
	Location : Basement								
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Explanation : 1 Unit								
	Distribution								
	Hot Wtr Piping/Pump	100%			2039	**	4	\$300	
	Terminal Devices								
	Convector/Radiator	60%			2036	**	1	\$1,300	
	Unit Heater - Steam	40%			2031	\$14,400	4	\$200	
Air Conditioning									
	Energy Source								
	Electricity	100%			2039	**	1		
	Conversion Equipment								
	Split Unit	10%			2036	**			
	Window/Wall Unit	60%			2029	\$14,400	1		
	No Component	30%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	40%			LIFE	**	2-5	\$1,400	
	No Component	60%							
	Exhaust Fans								
	Wall Unit	30%			2036	**	2	\$100	
	No Component	30%							
	Not Accessible	40%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2051	**	1		
	Water Heater With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Explanation : One - 80 Gallon Unit Used With Solar Unit								
	HW Heat Exchanger								
	Steam Fired	100%			2051	**	4	\$600	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Roof / Basement								
	Explanation : Solar								
	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
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	\$300	2031	\$1,300	4	\$100	
		Corroded, Extent : Severe, Area Affected : 10%							
		Location : The Housing							
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Dual Unit							
	Backflow Preventer								
	Generic	100%			2036	* *	1	\$400	
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.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$256,700	\$106,200
Total	\$256,700	\$106,200
Importance Code A	\$256,700	\$106,200
Total	\$256,700	\$106,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$104,100		\$1,300	
Interior Architecture	\$2,200			\$1,500
Electrical	\$300	\$300	\$600	\$300
Mechanical	\$900	\$3,700	\$3,100	\$2,900
Site Pavements	\$14,400			
Total	\$121,800	\$4,000	\$5,000	\$4,700
Importance Code A	\$104,100		\$1,300	
Importance Code B	\$3,100	\$4,000	\$3,700	\$4,700
Importance Code C	\$14,700			
Total	\$121,800	\$4,000	\$5,000	\$4,700



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

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

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

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

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Exterior								
Exterior Walls								
Masonry: Brick	85%	Now	\$130,600	LIFE	**	5	\$8,100	
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. Entire Perimeter								
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 Entire Building								
Metal Panel	10%	Now	\$1,200	2042	**	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	\$29,900	2052	**	5	\$700	
Deformed/Dented, Extent : Moderate, Area Affected : 30%								
Location : Panel Of Door And At Door Track								
Windows								
Aluminum	100%	Now	\$126,100	2057	**	5	\$1,400	
Air Infiltration, Extent : Severe, Area Affected : 30%								
Location : Windows. East Elevation								
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	\$31,900	2032	\$106,200			
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%			2042	**	5-10	\$4,800	
Stucco Cement	70%	Now	\$41,100	2052	**	5	\$2,000	
Cracking/Crumbling, Extent : Severe, Area Affected : 50%								
Location : Various Locations On The Underside Of Perimeter Soffit								
Loose/Delam Surface, Extent : Severe, Area Affected : 75%								
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	25%			LIFE	**	5	\$9,100	
Recent Replace Evident, Extent : N/A, Area Affected : 100%								
Location : Throughout In Apparatus Floor								
Ceramic Tile	5%			2045	**	5	\$800	
Recent Replace Evident, Extent : N/A, Area Affected : 100%								
Location : Bathrooms								
Vinyl Tile	70%			2040	**	3	\$5,800	
Recent Replace Evident, Extent : N/A, Area Affected : 100%								
Location : Throughout All Office Spaces And Hallways								
Interior Walls								
Ceramic Tile	5%			2045	**	5	\$700	
Recent Replace Evident, Extent : N/A, Area Affected : 100%								
Location : Bathrooms								
Gypsum Board	55%			LIFE	**	5	\$4,300	
Recent Replace Evident, Extent : N/A, Area Affected : 100%								
Location : Offices, Hallways, And Lockers								
SGFT/Glazed Masonry	40%			LIFE	**			
Recent Repair Evident, Extent : N/A, Area Affected : 75%								
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
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								
	AcousTileConcealSpLn	50%			2049	* *	5	\$10,400	
		Recent Construction, Extent : N/A, Area Affected : 100%							
		Location : Office And Hallway Ceilings							
	Exposed Struc: Steel	45%			LIFE	* *			
		Recent Replace Evident, Extent : N/A, Area Affected : 100%							
		Location : Apparatus Floor							
	Gypsum Board	5%			LIFE	* *	5	\$1,000	
		Recent Installation, Extent : N/A, Area Affected : 100%							
		Location : Office North Side							
Site Enclosure									
	Fence/Gates								
	Chain Link	100%			2042	* *			
Site Pavements									
	On-Site Walkways								
	Cast in Place Concrete	90%	Now	\$14,400	2052	* *			
		Sinking/Subsiding, Extent : Severe, Area Affected : 40%							
		Location : Perimeter Walkways At Building And Parking Lot							
	Cast in Place Concrete	10%			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									
	Raceway								
	Conduit	100%			2062	**	1		
	Panelboards								
	Fused Disc Sw	5%			2057	**	5		
	Molded Case Bkrs	95%			2057	**	5	\$300	
	Wiring								
	Thermoplastic	100%			2062	**	1		
	Motor Controllers								
	Locally Mounted	100%			2052	**	5	\$100	
Lighting									
	Interior Lighting								
	LED	100%			2042	**			
	Egress Lighting								
	Emergency, Battery	50%			2042	**	10	\$1,600	
	Exit, Service	50%			2042	**	1		
Alarm									

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

Electrical		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

80%

Generic

10%

2042

* *

1

\$500

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

Generic

10%

2042

* *

1

\$500

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

Fire/Smoke Detection

No Component

70%

Generic, Digital

30%

2042

* *

1-3

\$2,400

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

Mechanical		Current Repair		Future Replacement		Maintenance			
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%

2042

* *

1

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

No Component

20%

Distribution

Central Plant Steam
Piping/Pmp

80%

2042

* *

4

\$800

No Component

20%

Terminal Devices

Fan Coil Unit/Heat

80%

2040

* *

1

\$3,300

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

No Component

20%

Air Conditioning

Energy Source

Electricity

50%

2048

* *

1

Electricity

50%

2054

* *

1

Conversion Equipment

Int Pkg Unit -
Heating/Cooling

95%

2036

* *

2

\$700

Split Unit

5%

2040

* *

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

Maintenance \$ are aggregated over a ten-year period. 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									
Heat Rejection									
	Air Cooled Condenser Unit	100%			2040	* *	2	\$9,000	
Ventilation									
Distribution									
	Ductwork Stainless Steel	100%			LIFE	* *			
Exhaust Fans									
	Interior	80%			2040	* *	2	\$300	
	No Component	20%							
Plumbing									
H/C Water Piping									
	Brass/Copper	100%			2042	* *	1		
Sanitary Piping									
	Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping									
	Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)									
	Submersible	100%			2026	\$400	4	\$400	
Other Observation, Extent : N/A, 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%			2027	\$1,600	1-3	\$7,400	
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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 27-Jan-2023 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 2663 **Lot** : 22 **BIN** : 2004749

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Electrical		\$99,500
Total		\$99,500
Importance Code B		\$99,500
Total		\$99,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$26,300		\$37,400	
Interior Architecture	\$13,100		\$5,700	\$500
Electrical	\$3,400	\$900	\$800	\$800
Mechanical	\$500	\$600	\$500	\$500
Site Pavements	\$1,000			
Total	\$44,400	\$1,500	\$44,400	\$1,800
Importance Code A	\$26,700	\$400	\$37,800	\$400
Importance Code B	\$13,100	\$1,100	\$6,700	\$1,200
Importance Code C	\$4,600			\$200
Total	\$44,400	\$1,500	\$44,400	\$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
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	\$26,000	2054	* *	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%			2039	* *	5	\$2,200	
	Windows								
	Aluminum	100%			2050	* *	5	\$600	
	Roof								
	Metal Panel	100%			2047	* *	10	\$37,400	
Interior									
	Floors								
	Cast in Place Concrete	55%	0-2	\$9,500	LIFE	* *	5	\$12,500	
				Cracking/Crumbling, Extent : Light, Area Affected : 20%					
				Location : Apparatus					
	Ceramic Tile	5%			2043	* *	5	\$500	
	Vinyl Tile	40%			2039	* *	3	\$1,600	
				Patching Evident, Extent : Light, Area Affected : 10%					
				Location : 1st Floor					
	Interior Walls								
	Ceramic Tile	5%			2043	* *	5	\$500	
	Concrete Masonry Unit	55%			LIFE	* *	5	\$4,000	
	Metal Panel	40%			LIFE	* *	10	\$1,600	
	Ceilings								
	AcousTileSusp.Lay-In	100%			2047	* *	5	\$10,400	
Site Enclosure									
	Fence/Gates								
	Chain Link	100%			2054	* *			
				Corrosion/Rusting, Extent : Moderate, Area Affected : 10%					
				Location : Front Of Building					
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%			2047	* *			
	On-Site Walkways								
	Cast in Place Concrete	100%	4+	\$1,000	2047	* *			
				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

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. 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
Under 600 Volts									
	Service Equipment								
	Fused Disc Sw	100%			2034	\$14,700	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Front Office							
		Explanation : One Main Service Switch Rated At 200 Amperes.							
	Raceway								
	Conduit	100%			2034	\$36,000	1		
	Panelboards								
	Molded Case Bkrs	100%			2056	* *	5	\$200	
	Wiring								
	Thermoplastic	40%			2034	\$13,000	1		
	Thermoplastic	60%			2060	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2032	\$17,800	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$200	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2051	* *	1	\$2,300	
	Generators								
	Diesel	100%			2030	\$99,500	1	\$2,900	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Outside Rear Of Building							
		Explanation : Rated At 80 Kilovolt Amperes							
	Batteries								
	Lead/Acid	100%			2025	\$2,400	5	\$300	
	Fuel Storage								
	Day Tank	100%			2033	\$25,000	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Outside Rear Of Building							
		Explanation : 60 Gallons Rated Capacity							
Lighting									
	Interior Lighting								
	LED	100%			2042	* *			
	Egress Lighting								
	Emergency, Service	40%			2042	* *	1		
	Emergency, Battery	30%			2042	* *	10	\$500	
	Exit, Battery	30%			2042	* *	10	\$200	
	Exterior Lighting								
	LED	20%			2042	* *			
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Building Perimeter							
		Explanation : Controlled Via Photocell							
	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.

Alarm						
Security System						
Generic	100%	2042	* *	1		\$2,800
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
<i>Location : Outside The Building</i>						
<i>Explanation : CCTV Surveillance Cameras</i>						

Heating						
Energy Source						
Natural Gas	100%	2044	* *	1		
Conversion Equipment						
Furnace	50%	2039	* *	1		\$1,900
	<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Apparatus Floor</i> <i>Explanation : 3 Units</i>					
Hot Water Boiler	50%	2051	* *	1		\$1,900
	<i>Other Observation, Extent : N/A, Area Affected : 100%</i> <i>Location : Boiler Room</i> <i>Explanation : One Unit</i>					
Distribution						
Hot Wtr Piping/Pump	50%	2042	* *	4		\$300
No Component	50%					
Terminal Devices						
Convactor/Radiator	50%	2039	* *	1		\$1,200
No Component	50%					

Plumbing				
H/C Water Piping				
Brass/Copper	100%	2044	* *	1
Water Heater With Tanks				
Gas Fired	100%	2033	\$16,700	2
Other Observation, Extent : Moderate, Area Affected : 100%				
Location : 1st Floor Locker Room				
Explanation : Gasoline Fired Domestic Hot Water Heater 73 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 26 MORRISANIA STATION
Asset # : 13991

Mechanical		Current Repair		Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$44,500		\$11,600	\$600
Interior Architecture	\$14,400	\$900	\$1,400	\$900
Electrical	\$1,200	\$3,700	\$12,400	\$1,400
Mechanical	\$3,000	\$1,200	\$2,300	\$1,300
Total	\$63,100	\$5,900	\$27,600	\$4,200
Importance Code A	\$46,700	\$500	\$12,200	\$1,100
Importance Code B	\$16,400	\$4,900	\$15,400	\$3,100
Importance Code C		\$500		
Total	\$63,100	\$5,900	\$27,600	\$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**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 Cavity	65%	Now	\$26,900	LIFE	**	5	\$15,800	
Water Penetration, Extent : Moderate, Area Affected : 5%									
Location : Basement Foundation Wall At 234 Street Side									
	Metal Panel	10%			2052	**	5-10	\$16,700	
	Metal Sect. OHD	20%			2045	**	5	\$15,200	
	Metal Coiling Doors	5%	4+	\$2,500	2045	**	5	\$1,900	
Misaligned/Bulging, Extent : Light, Area Affected : 2%									
Location : Reported Coiling Door At Apparatus Entry									
Windows									
	Aluminum	99%			2048	**	5	\$1,200	
	Metal Louvers	1%			2041	**	10	\$100	
Parapets									
	Metal Panel	100%			2052	**	5	\$6,700	
Roof									
	Metal Panel	50%			2045	**	10	\$7,400	
	Modified Bitumen	45%			2037	**	10	\$3,700	
	Plaza Roof: Stone Panels	5%			2052	**			
Interior									
Floors									
	Cast in Place Concrete	45%	4+	\$13,500	LIFE	**	5	\$17,700	
Cracking/Crumbling, Extent : Light, Area Affected : 5%									
Location : Base Of Metal Coil Door									
	Ceramic Tile	5%			2041	**	5	\$900	
	Sheet Vinyl/Rubber	10%			2037	**	5	\$2,700	
	Vinyl Tile	40%			2037	**	3	\$3,600	
Interior Walls									
	Ceramic Tile	5%			2041	**	5	\$900	
	Concrete Masonry Unit	40%			LIFE	**	5	\$3,000	
	Glazed Ceramic Panel	30%			LIFE	**			
	Gypsum Board	17%			LIFE	**	5	\$1,900	
	Metal Panel	8%			LIFE	**			
Ceilings									
	Exposed Struc: Steel	75%			LIFE	**			
	Gypsum Board	23%			LIFE	**	5	\$5,200	
	Metal Panel	2%			LIFE	**	5	\$500	
Site Pavements									
Parking/Driveway									
	Cast in Place Concrete	100%			2045	**			

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

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

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

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

FIRE DEPARTMENT - 057**EMS STATION 27****Asset # : 13993**

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

Lighting

Exterior Lighting

HID	20%			2037		* *	10		
No Component	80%								

Alarm

Security System

No Component	80%								
Generic	20%			2037		* *	1	\$900	

*Other Observation, Extent : Light, Area Affected : 100%**Location : Inside And Outside**Explanation : CCTV Surveillance Camera*

Fire/Smoke Detection

No Component	70%								
Generic, Digital	30%			2040		* *	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

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

Conversion Equipment

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

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

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

Distribution

Hot Wtr Piping/Pump	40%				2048		* *	4	\$200
No Component	60%								

Terminal Devices

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

Air Conditioning

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

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

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

FIRE DEPARTMENT - 057
EMS STATION 27
Asset # : 13993

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

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 09-Sep-2022 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 2039 **Lot** : 101 **BIN** : 3251647

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture		\$75,400
Interior Architecture		\$105,800
Total		\$181,300
Importance Code A		\$75,400
Importance Code B		\$105,800
Total		\$181,300

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$15,400		\$10,200	
Interior Architecture	\$42,400			\$600
Electrical	\$1,100	\$100	\$200	\$100
Mechanical	\$5,500	\$800	\$1,500	\$1,400
Site Pavements	\$47,400			
Total	\$111,900	\$900	\$11,900	\$2,100
Importance Code A	\$15,400		\$10,200	
Importance Code B	\$40,400	\$900	\$1,700	\$2,100
Importance Code C	\$56,100			
Total	\$111,900	\$900	\$11,900	\$2,100



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

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

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

FIRE DEPARTMENT - 057
EMS STATION 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	\$19,600	
	Metal Coiling Doors	40%			2047	**	5	\$20,500	
Windows									
	Aluminum	100%			2050	**	5	\$800	
Parapets									
	Masonry: Brick	50%			LIFE	**	5-10	\$6,100	
	Metal Panel	50%			2044	**	5	\$3,500	
Roof									
	Built-Up (BUR)	100%			2034	\$75,400	10	\$6,600	
Interior									
Floors									
	Cast in Place Concrete	30%	Now	\$3,000	LIFE	**	5	\$4,000	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : Garage Area							
	Ceramic Tile	5%			2043	**	5	\$300	
	Vinyl Tile	65%	Now	\$21,200	2034	\$105,800	3	\$1,500	
		Broken/Missing Elements, Extent : Moderate, Area Affected : 5%							
		Location : Throughout							
		Uneven Substrate, Extent : Moderate, Area Affected : 10%							
		Location : Kitchen							
		Worn/Eroded, Extent : Moderate, Area Affected : 20%							
		Location : Throughout							
Interior Walls									
	Ceramic Tile	5%	Now	\$1,100	2043	**	5	\$200	
		Broken/Missing Elements, Extent : Moderate, Area Affected : 5%							
		Location : Shower Stalls							
	Concrete Masonry Unit	5%			LIFE	**	5	\$300	
	Gypsum Board	75%			LIFE	**	5-10	\$10,600	
	Masonry: Brick	5%			LIFE	**	10	\$100	
	SGFT/Glazed Masonry	10%			LIFE	**	10	\$400	
Ceilings									
	AcousTileSusp.Lay-In	85%	Now	\$8,300	2039	**	5	\$2,600	
		Broken/Missing Elements, Extent : Moderate, Area Affected : 15%							
		Location : Throughout							
	Exposed Struc: Concrete	10%			LIFE	**	5-10	\$800	
	Exposed Struc: Steel	5%			LIFE	**	10	\$600	
Site Pavements									
On-Site Walkways									
	Cast in Place Concrete	100%	Now	\$3,500	2039	**			
		Cracking/Crumbling, Extent : Moderate, Area Affected : 20%							
		Location : Throughout							
Parking/Driveway									
	Asphalt	100%	Now	\$43,900	2037	**			
		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%			2044	* *	1		
	Panelboards								
	Molded Case Bkrs	100%			2042	* *	5	\$100	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : In Hallway							
		Explanation : Breaker Panel In Use							
	Wiring								
	Thermoplastic	100%			2044	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2032	\$17,800	5		
Lighting									
	Interior Lighting								
	Fluorescent	20%			2029	\$5,400	10	\$600	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 75%							
		Location : Throughout							
	LED	80%			2042	* *			
	Egress Lighting								
	Emergency, Battery	50%			2029	\$2,600	10	\$400	
	Exit, Battery	50%			2034	\$2,200	10	\$100	
	Exterior Lighting								
	LED	20%			2034	\$3,400			
	No Component	80%							
Alarm									
	Security System								
	Generic	100%			2042	* *	1	\$1,200	
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Exterior And Interior							
		Explanation : Cameras Security 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								
	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					

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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+	\$1,800	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%			2050	* *	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%			2039	* *	1	\$400	
		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%			2034	\$37,100			
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Storage Room							
		Explanation : 2 Units.							
	Window/Wall Unit	50%			2029	\$5,900	1		
Distribution	Ductwork/Diffusers	50%			LIFE	* *	2	\$2,600	
	No Component	50%							
Ventilation									
Distribution	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$2,800	
Exhaust Fans	Not Accessible	100%							
Plumbing									
H/C Water Piping	Brass/Copper	100%			2044	* *	1		
Water Heater With Tanks	Electric	50%			2029	\$11,500	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							

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 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	Sanitary Piping								
	Cast Iron	100%	Now	\$800	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%			2034	\$600	4	\$100	
	Fixtures								
	Generic	100%							
Fire Suppression	Sprinkler								
	Generic	100%			2054	* *	1-2	\$900	
	Fire Pump								
	Not Accessible	100%							
	Chemical System								
	No Component	90%							
	Generic	10%			2029	\$1,600	1-3	\$8,100	
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Throughout						
			Explanation : Fire Extinguishers						

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 05-Oct-2022 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 452 **Lot** : 5 **BIN** : 3007662

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$360,600	\$219,900
Mechanical		\$305,300
Site Pavements	\$73,000	
Total	\$433,700	\$525,200
Importance Code A	\$360,600	\$305,000
Importance Code B		\$220,200
Importance Code C	\$73,000	
Total	\$433,700	\$525,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$47,400			
Interior Architecture	\$57,900		\$1,800	\$1,300
Electrical	\$11,600	\$1,300	\$1,400	\$3,900
Mechanical	\$15,600	\$700	\$3,400	\$700
Site Enclosure	\$2,800			
Total	\$135,300	\$2,100	\$6,600	\$5,900
Importance Code A	\$47,800	\$400	\$400	\$400
Importance Code B	\$63,000	\$1,600	\$6,200	\$4,900
Importance Code C	\$24,500			\$700
Total	\$135,300	\$2,100	\$6,600	\$5,900



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 Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
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	\$280,700	LIFE	* *	5	\$8,700	
Efflorescence, Extent : Severe, Area Affected : 40%								
Location : Various Locations								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Spalling, Extent : Severe, Area Affected : 50%								
Location : Various Locations Throughout								
Metal Panel	30%	0-2	\$5,200	2054	* *	5	\$7,600	
Corrosion/Rusting, Extent : Moderate, Area Affected : 5%								
Location : Front And Rear Facades								
Deteriorated Finish, Extent : Light, Area Affected : 10%								
Location : Front Facade								
Slate Panels	5%	Now	\$10,200	LIFE	* *	5	\$500	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Side Facade								
Spalling, Extent : Moderate, Area Affected : 10%								
Location : Side Facade								
Windows								
Aluminum	100%			2050	* *	5	\$1,500	
Parapets								
Masonry: Brick	80%	Now	\$80,000	LIFE	* *	5	\$3,200	
Diagonal Cracks, Extent : Moderate, Area Affected : 30%								
Location : Interior Face								
Efflorescence, Extent : Moderate, Area Affected : 20%								
Location : Interior Face								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 20%								
Location : East Facade								
Masonry: Limestone	20%			LIFE	* *	5-10	\$9,900	
Roof								
Modified Bitumen	100%	Now	\$22,000	2034	\$219,900			
Vegetation Growth, Extent : Moderate, Area Affected : 10%								
Location : At Concrete Blocks Steps								
Water Penetration, Extent : Moderate, Area Affected : 25%								
Location : Over Mens Locker Room And Conference Room								
Soffits								
Metal Panel	100%	4+	\$400	2054	* *	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.
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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	\$37,600	
	Ceramic Tile	5%			2043	**	5	\$600	
	Vinyl Tile	25%	4+	\$1,700	2039	**	3	\$1,100	
Cracking/Crumbling, Extent : Light, Area Affected : 20%									
Location : Throughout									
Interior Walls									
	Ceramic Tile	5%			2043	**	5	\$1,300	
	Concrete Masonry Unit	30%			LIFE	**	5	\$6,200	
	Gypsum Board	65%			LIFE	**	5-10	\$28,800	
Vertical Cracks, Extent : Light, Area Affected : 15%									
Location : At Hallway									
Ceilings									
	AcousTileSusp.Lay-In	30%			2047	**	5	\$3,700	
	Exposed Struc: Steel	60%			LIFE	**	10	\$14,700	
	Gypsum Board	10%	Now	\$1,000	LIFE	**	5	\$1,500	
Cracking/Crumbling, Extent : Light, Area Affected : 15%									
Location : Mens Locker And Conference Room									
Water Penetration, Extent : Light, Area Affected : 15%									
Location : Mens Locker And Conference Room									
Site Enclosure									
Fence/Gates									
	Chain Link	53%	Now	\$800	2054	**			
Impact Damage, Extent : Moderate, Area Affected : 10%									
Location : Along East Property Line									
	Iron Picket	47%	Now	\$2,000	2069	**			
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%			2047	**			
On-Site Walkways									
	Cast in Place Concrete	100%			2047	**			
Parking/Driveway									
	Asphalt	95%	Now	\$73,000	2043	**			
Cracking/Crumbling, Extent : Severe, Area Affected : 30%									
Location : Parking Lot									
Ponding, Extent : Moderate, Area Affected : 30%									
Location : Parking Lot									
Potholes, Extent : Severe, Area Affected : 30%									
Location : Parking Lot									
	Cast in Place Concrete	5%			2047	**			

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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%			2054	**	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Electrical Room							
		Explanation : One 400 Ampere Main Disconnect Switch							
	Raceway								
	Conduit	100%			2054	**	1		
	Panelboards								
	Molded Case Bkrs	100%			2050	**	5	\$200	
	Wiring								
	Thermoplastic	100%			2054	**	1		
	Motor Controllers								
	Locally Mounted	100%			2047	**	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%			LIFE	**	5	\$200	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Boiler Room							
		Explanation : Ground Observed							
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2047	**	1	\$2,500	
	Generators								
	Diesel	100%			2043	**	1	\$3,200	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Generator Enclosure. Outside							
		Explanation : One 180 Kilowatt Capacity							
	Batteries								
	Lead/Acid	100%			2028	\$2,400	5	\$300	
	Fuel Storage								
	Day Tank	50%			2050	**	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Generator Enclosure. Outside							
		Explanation : One 150 Gallon							
	Main Tank	50%			2062	**	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Underground							
		Explanation : One 2,500 Gallon							
Lighting									
	Interior Lighting								
	Fluorescent	100%			2039	**	10	\$7,500	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Throughout							
	Egress Lighting								
	Emergency, Service	40%			2039	**	1		
	Emergency, Battery	10%			2039	**	10	\$200	
	Exit, LED	50%			2062	**	1		

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
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	2%			2039	**	10			
LED	8%			2042	**				
No Component	90%								

Alarm

Security System

Generic	100%			2034	\$15,000	1		\$3,100	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>									
<i>Location : Throughout</i>									
<i>Explanation : Cameras</i>									

Fire/Smoke Detection

Generic, Digital	100%	Now	\$10,300	2034	\$20,600	1-3		\$4,600	
<i>Not in Service, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Throughout</i>									

Mechanical		Current Repair			Future 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			
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Conversion Equipment

Hot Water Boiler	100%			2032	\$85,000	1		\$4,100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Mechanical Room</i>									
<i>Explanation : One Unit</i>									

Distribution

Hot Wtr Piping/Pump	100%			2033	\$17,500	4		\$600	
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Terminal Devices

Convactor/Radiator	50%			2032	\$32,700	1		\$1,300	
Fan Coil Unit/Heat	50%			2034	\$99,200	1		\$1,300	

Air Conditioning

Energy Source

Electricity	100%			2042	**	1			
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Conversion Equipment

Ext Pkg Unit - Heating/Cooling	90%	4+	\$12,100	2034	\$121,000	2		\$400	
<i>Malfunctioning, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Units Are Running But Not Sufficiently Cooling The Building</i>									
<i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i>									
<i>Location : 2 Units On The Roof</i>									

Split Unit	10%			2029	\$19,000				
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Distribution

Ductwork/Diffusers	100%			LIFE	**	2		\$13,300	
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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 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
Ventilation									
	Exhaust Fans								
	Roof	100%			2034	\$15,500	2	\$300	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2054	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Hot Water Heater Room								
	Explanation : One 70 Gallon Unit								
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
Fixtures									
	Generic	100%							

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 30-Aug-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2368 **Lot** : 12 **BIN** : 3391565

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture		\$58,000
Interior Architecture		\$137,000
Mechanical		\$587,400
Total		\$782,400
Importance Code A		\$58,000
Importance Code B		\$724,400
Total		\$782,400

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$57,400		\$1,800	
Interior Architecture	\$69,400			\$1,300
Electrical	\$2,100	\$1,900	\$1,900	\$1,700
Mechanical	\$7,700	\$1,800	\$2,300	\$1,500
Total	\$136,600	\$3,700	\$6,000	\$4,500
Importance Code A	\$57,900	\$500	\$2,300	\$500
Importance Code B	\$47,100	\$3,100	\$3,700	\$3,600
Importance Code C	\$31,600			\$400
Total	\$136,600	\$3,700	\$6,000	\$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**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	\$3,600	
	Metal/Glass Curt Wall	32%			LIFE	**	5	\$29,000	
	Metal Panel	48%			2054	**	5-10	\$79,800	
	Metal Sect. OHD	8%	0-2	\$3,400	2047	**	5	\$3,000	
Deformed/Dented, Extent : Light, Area Affected : 5%									
Location : Garage Door									
Windows									
	Aluminum	15%			2050	**	5	\$200	
	No Component	85%							
Parapets									
	Concrete Masonry Unit	45%			LIFE	**	5-10	\$6,500	
	Metal/Glass Curt Wall	15%			2054	**	5	\$1,500	
	Metal Panel	25%			2054	**	5	\$2,600	
	Metal: Cage/Fence	15%			2047	**	5-10	\$3,100	
Roof									
	IRMA/Protected Membrane	60%	Now	\$4,500	2039	**			
Water Penetration, Extent : Moderate, Area Affected : 10%									
Location : 2nd Floor Mens Room And Captains Office									
	Plaza Roof: Stone Panels	15%			2054	**			
	Skylight, Metal/Glass	12%			2054	**	10	\$6,400	
	Sloped Glazing	13%			LIFE	**	5	\$55,700	
Soffits									
	Metal Panel	100%			2054	**	5-10		
Interior									
Floors									
	Cast in Place Concrete	65%			LIFE	**	5	\$45,100	
	Ceramic Tile	3%			2043	**	5	\$500	
	Vinyl Tile	32%			2034	\$137,000	3	\$2,500	
Interior Walls									
	Cast in Place Concrete	15%			LIFE	**	10	\$16,400	
	Ceramic Tile	2%			2043	**	5	\$900	
	Concrete Masonry Unit	55%			LIFE	**	5	\$19,200	
	Glass: Single Pane	10%			LIFE	**	5	\$6,500	
	Gypsum Board	15%	Now	\$1,800	LIFE	**	5	\$3,900	
Water Penetration, Extent : Moderate, Area Affected : 5%									
Location : 2nd Floor Stair									
	Metal Panel	3%			LIFE	**	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 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	

Interior

Ceilings

AcousTileSusp.Lay-In	25%	Now	\$3,100	2047	**	5	\$1,900
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*Water Penetration, Extent : Moderate, Area Affected : 5%**Location : 2nd Floor Mens Room And Captains Office*

Exposed Struc: Concrete	20%			LIFE	**	5-10	\$3,800
Fiber Board	20%			2039	**		
Gypsum Board	10%			LIFE	**	5-10	\$5,300
Metal Panel	25%			LIFE	**	5	\$9,600

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2047	**		
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On-Site Walkways

Cast in Place Concrete	100%			2047	**		
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Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2060	**	5	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room**Explanation : One 600 Ampere Main Disconnect Switch*

Switchgear / Switchboard

Fused Disc Sw	100%			2060	**	5	
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Raceway

Conduit	100%			2060	**	1	
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Panelboards

Fused Disc Sw	5%			2056	**	5	
Molded Case Bkrs	95%			2056	**	5	\$300

Wiring

Thermoplastic	100%			2060	**	1	
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Motor Controllers

Locally Mounted	100%			2051	**	5	\$100
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*Other Observation, Extent : Light, Area Affected : 100%**Location : 1st Floor Hallway**Explanation : Motor Controllers Connected To Energy Management Control Corporation.**Under Building Management System*

Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$300
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Stand-by Power

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057**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									
	Transfer Switches								
	Automatic	100%			2051	* *	1	\$3,300	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : New Generator Installed In 2018.							
Generators									
	Diesel	100%			2047	* *	1	\$4,100	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : 100 Kilovolt Ampere, 80 Kilowatt Generator							
Batteries									
	Lead/Acid	100%			2029	\$2,400	5	\$400	
Fuel Storage									
	Day Tank	25%			2056	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : New 25 Gallon Tank.							
	Main Tank	75%			2069	* *	5		
		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	88%			2039	* *	10	\$8,600	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Throughout The Building							
	Fluorescent	10%			2042	* *	10	\$1,000	
		Compact Fluorescent Light, Extent : Light, Area Affected : 100%							
		Location : Throughout The Building							
	LED	2%			2042	* *			
Egress Lighting									
	Emergency, Battery	50%			2039	* *	10	\$1,300	
	Exit, Service	50%			2039	* *	1		
Exterior Lighting									
	Fluorescent	6%			2039	* *	10	\$100	
	HID	14%			2039	* *	10		
	No Component	80%							
Alarm									
	Security System								
	Generic	100%			2042	* *	1	\$4,000	
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Exterior And Interior							
		Explanation : Cameras Security System							
Fire/Smoke Detection									
	Generic, Digital	100%			2042	* *	1-3	\$6,500	

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

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

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

FIRE DEPARTMENT - 057

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									
	Energy Source								
	Natural Gas	100%			2054	* *	1		
	Conversion Equipment								
	Furnace	30%			2034	\$9,700	1	\$1,600	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Roof							
		Explanation : 2 Rooftop Package Units							
	Hot Water Boiler	70%			2047	* *	1	\$3,700	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Unit							
	Distribution								
	Hot Wtr Piping/Pump	100%			2050	* *	4	\$800	
	Terminal Devices								
	Air Handler	60%			2034	\$116,900	1	\$3,900	
	Fan Coil Unit/Heat	20%			2034	\$51,300	1	\$700	
	Unit Heater - Hot Water	20%			2034	\$12,300			
	Controls								
	Digital	20%	0-2	\$3,000	2032	\$59,500			
		Software Issue Suspected, Extent : Moderate, Area Affected : 100%							
		Location : Building Management System							
	Digital	80%			2032	\$237,900			
Air Conditioning									
	Energy Source								
	Electricity	100%			2050	* *	1		
	Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	70%			2034	\$121,800	2	\$500	
		R-410a Refrigerant, Extent : Light, Area Affected : 100%							
		Location : 2 Units, Roof							
	No Component	30%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$9,400	
	Exhaust Fans								
	Interior	10%			2034	\$4,600	2		
	Roof	90%			2039	* *	2	\$300	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2054	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2032	\$33,400	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 125 Gallon Unit							
	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**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
Plumbing									
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sewage Ejector(s)								
	Electric	100%			2039	* *	4	\$400	
	Backflow Preventer								
	Generic	100%			2039	* *	1	\$700	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Sprinkler								
	No Component	10%							
	Generic	90%			2054	* *	1-2	\$2,700	

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 17-Nov-2022 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 4829 **Lot** : 1 **BIN** : 3327722

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture		\$179,000
Mechanical		\$91,100
Total		\$270,100
Importance Code A		\$270,100
Total		\$270,100

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$68,500		\$5,000	
Interior Architecture	\$32,600		\$300	\$500
Electrical	\$1,300	\$1,000	\$1,100	\$3,400
Mechanical	\$4,800	\$500	\$400	\$500
Site Enclosure	\$9,300			
Site Pavements	\$3,000			
Total	\$119,500	\$1,500	\$6,800	\$4,400
Importance Code A	\$68,600	\$500	\$5,100	\$500
Importance Code B	\$34,600	\$1,000	\$1,700	\$3,600
Importance Code C	\$16,300			\$300
Total	\$119,500	\$1,500	\$6,800	\$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
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	\$15,500	LIFE	**	5	\$31,100	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 5%							
	Location : Along Winthrop Street							
Masonry: Brick	50%			LIFE	**	5	\$15,900	
Metal Panel	5%			2054	**	5-10	\$5,500	
Metal Sect. OHD	20%			2047	**	5	\$10,000	
Windows								
Aluminum	100%			2050	**	5	\$600	
Parapets								
Cast Stone/Terra Cotta	20%	0-2	\$1,200	LIFE	**	5	\$2,600	
	Broken/Missing Elements, Extent : Light, Area Affected : 10%							
	Location : Coping Stone Throughout							
Masonry: Brick	80%			LIFE	**	5-10	\$9,200	
Roof								
Modified Bitumen	100%	0-2	\$35,800	2034	\$179,000			
	Blisters, Extent : Light, Area Affected : 25%							
	Location : Upper Roof							
Soffits								
Metal Panel	100%			2054	**	5-10		
Interior								
Floors								
Cast in Place Concrete	70%			LIFE	**	5	\$27,400	
Ceramic Tile	5%			2043	**	5	\$400	
Vinyl Tile	25%			2039	**	3	\$800	
Interior Walls								
Ceramic Tile	5%			2043	**	5	\$500	
Concrete Masonry Unit	50%			LIFE	**	5	\$4,300	
Gypsum Board	40%			LIFE	**	5-10	\$7,200	
Masonry: Brick	5%			LIFE	**	10	\$200	
Ceilings								
AcousTileSusp.Lay-In	40%	Now	\$1,200	2047	**	5	\$1,800	
	Broken/Missing Elements, Extent : Light, Area Affected : 5%							
	Location : Throughout							
	Staining/Discoloring, Extent : Light, Area Affected : 10%							
	Location : Throughout							
Exposed Struc: Steel	60%			LIFE	**	10	\$10,700	
Site Enclosure								
Fence/Gates								
Iron Picket	100%	Now	\$9,300	2069	**			
	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%			2069	**			

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

Estimates are rounded to the nearest hundred dollars.

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

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

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

Architecture		Current Repair			Future Replacement		Maintenance		
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 \$3,000 2047 * *

Cracking/Crumbling, Extent : Light, Area Affected : 10%

Location : Along Winthrop Street

On-Site Walkways

Cast in Place Concrete 100% 2047 * *

Parking/Driveway

Asphalt 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% 2054 * * 5 \$200

Other Observation, Extent : N/A, Area Affected : 100%

Location : Electrical Room

Explanation : Main Service Disconnect Switch Rated At 400 Amperes.

Switchgear / Switchboard

Molded Case Bkrs 100% 2054 * * 5 \$200

Raceway

Conduit 100% 2054 * * 1

Panelboards

Molded Case Bkrs 100% 2050 * * 5 \$200

Wiring

Thermoplastic 100% 2054 * * 1

Motor Controllers

Locally Mounted 100% 2047 * * 5

Ground

Grounding Devices

Generic 100% LIFE * * 5 \$200

Stand-by Power

Transfer Switches

Automatic 100% 2047 * * 1 \$1,800

Generators

Diesel 100% 2043 * * 1 \$2,300

Other Observation, Extent : N/A, Area Affected : 100%

Location : Side Yard

Explanation : Emergency Generator Rated At 60 Kilowatts

Batteries

Lead/Acid 100% 2028 \$2,400 5 \$200

Fuel Storage

Main Tank 100% 2062 * * 5

Other Observation, Extent : N/A, Area Affected : 100%

Location : Side Yard

Explanation : 150 Gallons Rated 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.

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

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

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting									
	Interior Lighting								
	Fluorescent	98%			2039	* *	10	\$5,400	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Throughout The Building							
		Explanation : T-8 Lamps							
	LED	2%			2042	* *			
	Egress Lighting								
	Emergency, Battery	50%			2039	* *	10	\$700	
	Exit, Service	50%			2039	* *	1		
	Exterior Lighting								
	HID	30%			2039	* *	10		
	No Component	70%							
Alarm									
	Security System								
	Generic	100%			2042	* *	1	\$2,200	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Hallways, Outside Perimeter							
		Explanation : CCTV Surveillance Cameras							
	Fire/Smoke Detection								
	Generic, Analog	100%			2039	* *	1-3	\$3,700	
		Other Observation, Extent : N/A, 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								
	Natural Gas	100%			2054	* *	1		
	Conversion Equipment								
	Furnace	40%			2039	* *	1	\$1,200	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Roof							
		Explanation : One Gasoline Fired Packaged Rooftop Unit							
	Radiant Heater	60%			2034	\$91,100	2	\$1,700	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Apparatus Floor Ceiling							
		Explanation : Four Gasoline Fired Modine Heaters							
	Controls								
	Electrical	100%			2032	\$32,400			
Air Conditioning									
	Energy Source								
	Electricity	100%			2050	* *	1		

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

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

Mechanical		Current Repair		Future Replacement		Maintenance			
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	40%			2039	* *	2	\$100	
		R-410a Refrigerant, Extent : Light, Area Affected : 100%							
		Location : 1 Rooftop Package Unit, Roof							
	No Component	60%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	50%			LIFE	* *	2-5	\$2,600	
	No Component	50%							
	Exhaust Fans								
	Roof	50%			2039	* *	2	\$100	
	Wall Unit	50%			2034	\$1,300	2	\$100	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2054	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Utility Closet							
		Explanation : One 80 Gallon Unit							
	Sanitary Piping								
	Cast Iron	100%	Now	\$3,700	LIFE	* *	1		
		Blockage /Clogged, Extent : Severe, Area Affected : 50%							
		Location : Apparatus Floor And Bathrooms. The Blockage Is Serious, It Needs To Be Fixed Soon.							
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Backflow Preventer								
	Generic	100%			2034	\$2,600	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$72,800	
Mechanical		\$155,500
Total	\$72,800	\$155,500
Importance Code A	\$72,800	
Importance Code B		\$155,500
Total	\$72,800	\$155,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture				\$18,200
Interior Architecture	\$1,000			
Electrical	\$3,300	\$700	\$700	\$900
Mechanical	\$900	\$1,700	\$3,900	\$1,700
Total	\$5,200	\$2,400	\$4,600	\$20,800
Importance Code A	\$400	\$200	\$400	\$18,500
Importance Code B	\$4,200	\$2,200	\$4,200	\$2,300
Importance Code C	\$600			
Total	\$5,200	\$2,400	\$4,600	\$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
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								
Exposed Struc: Steel	5%			LIFE	* *	5	\$2,700	
Masonry: Brick	50%			LIFE	* *	5	\$8,800	
Metal Panel	10%			2058	* *	5-10	\$12,100	
Metal Sect. OHD	10%			2049	* *	5	\$5,500	
Window Wall	25%			2058	* *	5	\$16,500	
Windows								
Aluminum	100%			2054	* *	5	\$4,300	
Parapets								
Concrete Masonry Unit	70%			LIFE	* *	5	\$1,600	
Other Observation, Extent : N/A, Area Affected : 100%								
Location : Parapet Interior								
Explanation : Roof Material Up Sides Of Parapet Interior								
Metal Panel	30%			2058	* *	5	\$2,400	
Roof								
Built-Up (BUR)	45%			2040	* *	10	\$10,200	
Green, Roof Inaccessible	45%			LIFE	* *			
Extensive: Non-tray Type, Extent : Light, Area Affected : 100%								
Location : Roof								
Skylight, Plastic	10%	Now	\$72,800	2049	* *	1		
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Office								
Water Penetration, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Interior								
Floors								
Cast in Place Concrete	80%			LIFE	* *	5	\$30,500	
Ceramic Tile	5%			2045	* *	5	\$900	
Quarry Tile	5%			2049	* *	5	\$1,300	
Not Accessible	10%							
Other Observation, Extent : N/A, Area Affected : 0%								
Location : Crawlspace								
Explanation : Inaccessible								
Interior Walls								
Ceramic Tile	5%			2045	* *	5	\$1,200	
Concrete Masonry Unit	15%			LIFE	* *	5	\$1,400	
Gypsum Board	50%			LIFE	* *	5	\$6,900	
Masonry: Brick	20%			LIFE	* *			
Painted Surfaces, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Walls								
Not Accessible	10%							
Other Observation, Extent : N/A, Area Affected : 0%								
Location : Crawlspace								
Explanation : Inaccessible								

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

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

Architecture		Current Repair			Future Replacement		Maintenance		
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%		2049	**	5	\$6,100	
Exposed Struc: Steel	55%		LIFE	**			
Not Accessible	10%						

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

Location : Crawlspace

Explanation : Inaccessible

Site Pavements

Public Sidewalk

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

Cast in Place Concrete	100%		2049	**			
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Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

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

Location : Electrical Room

Explanation : Main Service Disconnect Switch Rated At 400 Amperes.

Switchgear / Switchboard

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

Conduit	100%		2058	**	1		
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Panelboards

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

Thermoplastic	100%		2058	**	1		
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Motor Controllers

Variable Frequency Drive	100%		2049	**			
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Ground

Grounding Devices

Not Accessible	100%						
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Stand-by Power

Transfer Switches

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

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

Location : Garage

Explanation : Emergency Generator Rated At 81 Kilovolt Amperes.

Batteries

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

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

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

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

Electrical	Current Repair			Future Replacement		Maintenance		
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%

2047

* *

5

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Garage**Explanation : 60 Gallons Rated Capacity*

Lighting

Interior Lighting

LED

100%

2040

* *

Egress Lighting

Emergency, Service

40%

2040

* *

1

Emergency, Service

10%

2040

* *

1

Exit, LED

50%

2067

* *

1

Exterior Lighting

LED

10%

2040

* *

No Component

90%

Alarm

Security System

No Component

90%

Generic

10%

2040

* *

1

\$400

*Other Observation, Extent : N/A, 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

Electricity

25%

2062

* *

1

Natural Gas

50%

2042

* *

1

Solar Panels

25%

2062

* *

2

\$200

Conversion Equipment

Heat Pump Air Sourced

25%

2037

* *

2

\$800

Hot Water Boiler

50%

2052

* *

1

\$2,500

No Component

25%

Distribution

Ductwork/Diffusers

60%

LIFE

* *

2-5

\$3,300

No Component

40%

Terminal Devices

Air Handler

50%

2042

* *

1

\$3,100

Convactor/Radiator

10%

2030

\$6,000

1

\$300

No Component

40%

Air Conditioning

Energy Source

Electricity

75%

2040

* *

1

Solar Panels

25%

2062

* *

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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

FIRE DEPARTMENT - 057
EMS STATION 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
Air Conditioning									
Conversion Equipment									
	Heat Pump Air Sourced	100%			2037	**	2	\$600	
Distribution									
	Ductwork/Diffusers	60%			LIFE	**	2	\$7,800	
	No Component	40%							
Terminal Devices									
	Air Handler/Dir	75%			2040	**	1		
	Expansion								
	No Component	25%							
Heat Rejection									
	Dry Cooler	75%			2042	**	2	\$5,200	
	No Component	25%							
Ventilation									
Distribution									
	Ductwork/Diffusers	80%			LIFE	**	2-5	\$4,500	
	No Component	20%							
Exhaust Fans									
	Roof	20%			2042	**	2	\$100	
	No Component	80%							
Plumbing									
H/C Water Piping									
	Brass/Copper	100%			2052	**	1		
	Other Observation, Extent : N/A, Area Affected : 30%								
	Location : Basement								
	Explanation : No Access To Basement Newly Renovated								
Water Heater With Tanks									
	Gas Fired	50%			2030	\$8,300	2		
	Solar	50%			2032	\$155,500	1		
Sanitary Piping									
	Cast Iron	100%			LIFE	**	1		
Storm Drain Piping									
	Cast Iron	100%			LIFE	**	1		
Sump Pump(s)									
	Not Accessible	100%							
Sewage Ejector(s)									
	Not Accessible	100%							
Backflow Preventer									
	Not Accessible	100%							
Fixtures									
	Generic	100%							
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Throughout								
	Explanation : Newly Renovated								

*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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$471,900	\$106,100
Interior Architecture	\$87,100	
Electrical		\$153,000
Mechanical		\$198,700
Total	\$559,000	\$457,800
Importance Code A	\$471,900	\$157,000
Importance Code B	\$87,100	\$300,800
Total	\$559,000	\$457,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$70,400			\$10,500
Interior Architecture	\$73,700			\$2,000
Electrical	\$4,900	\$2,100	\$17,300	\$1,900
Mechanical	\$58,400	\$3,900	\$56,200	\$4,400
Site Enclosure	\$22,300			
Site Pavements	\$45,300			
Total	\$275,000	\$5,900	\$73,600	\$18,800
Importance Code A	\$71,300	\$1,100	\$900	\$11,600
Importance Code B	\$87,300	\$4,900	\$72,600	\$7,200
Importance Code C	\$116,400			
Total	\$275,000	\$5,900	\$73,600	\$18,800



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 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 Cavity	73%	0-2	\$35,200	LIFE	* *	5	\$8,300	
		Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5% Location : North Facade							
	Metal Panel	2%	Now	\$300	2052	* *	5	\$400	
		Other Observation, Extent : Moderate, Area Affected : 2% Location : North Side Explanation : Damaged Metal Panels							
	Metal Coiling Doors	5%			2045	* *	5	\$1,800	
	Pre-Cast Concrete	15%			LIFE	* *	5	\$5,500	
		Corrosion/Rusting, Extent : Severe, Area Affected : 5% Location : Window Shelf Angles 1st Floor Facade							
Windows									
	Aluminum	100%	2-4	\$111,300	2057	* *	5	\$1,200	
		Air Infiltration, Extent : Moderate, Area Affected : 30% Location : Throughout Glazing Clouded, Extent : Moderate, Area Affected : 20% Location : Throughout Worn/Eroded, Extent : Moderate, Area Affected : 70% Location : Throughout							
Parapets									
	Cast in Place Concrete	98%	Now	\$360,500	LIFE	* *	5	\$106,100	
		Cracking/Crumbling, Extent : Severe, Area Affected : 10% Location : Throughout Other Observation, Extent : N/A, Area Affected : 100% Location : Parapet Walls Explanation : Covered With Netting							
	Metal Panel	2%	4+	\$1,700	2052	* *	5	\$400	
		Broken/Missing Elements, Extent : Light, Area Affected : 10% Location : Throughout							
Roof									
	Built-Up (BUR)	95%	2-4	\$31,700	2037	* *			
		Miss/Damaged Flashings, Extent : Moderate, Area Affected : 95% Location : Throughout							
	Roll Roofing	5%			2028	\$9,300	5	\$2,400	

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
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	\$22,300	LIFE	* *	5	\$29,300	
	Other Observation, Extent : Light, Area Affected : 100% Location : Throughout Explanation : Mezzanine Level								
	Ceramic Tile	2%	0-2	\$700	2041	* *	5	\$300	
	Cracking/Crumbling, Extent : Light, Area Affected : 10% Location : Throughout								
	Vinyl Tile	53%			2037	* *	3	\$7,900	
Interior Walls									
	Ceramic Tile	2%	0-2	\$700	2041	* *	5	\$300	
	Cracking/Crumbling, Extent : Light, Area Affected : 10% Location : Throughout								
	Concrete Masonry Unit	86%	Now	\$48,200	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	\$87,100	2037	* *	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 Struc: Concrete	35%			LIFE	* *	5	\$1,600	
	Exposed Struc: Steel	5%			LIFE	* *			
Site Enclosure									
	Fence/Gates								
	Chain Link	100%	Now	\$22,300	2042	* *			
	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%			2045	* *			
	On-Site Walkways								
	Cast in Place Concrete	100%			2037	* *			

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

Site Pavements

Parking/Driveway

Asphalt

90% 0-2 \$42,700 2035 * *

*Cracking/Crumbling, Extent : Moderate, Area Affected : 10%**Location : Throughout*

Cast in Place Concrete

10% 2-4 \$2,600 2045 * *

*Cracking/Crumbling, Extent : Moderate, Area Affected : 5%**Location : Rear Of Building 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% 2042 * * 5 \$100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room**Explanation : One 3,000 Ampere Main Disconnect Switch*

Transformers

Dry Type

100% 2037 * * 5 \$100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room Basement**Explanation : One 1,000 Kilovolt Ampere, 480/277 Primary Voltage - 208/120 Low Voltage*

Switchgear / Switchboard

Fused Disc Sw

100% 2042 * * 5 \$100

Raceway

Conduit

80% 2042 * * 1

Conduit

20% 2032 \$7,200 1

Panelboards

Fused Disc Sw

5% 2031 \$2,400 5

Molded Case Bkrs

75% 2040 * * 5 \$400

Molded Case Bkrs

20% 2031 \$9,700 5 \$100

Wiring

Thermoplastic

20% 2032 \$6,500 1

Thermoplastic

80% 2042 * * 1

Motor Controllers

Locally Mounted

100% 2030 \$17,800 5 \$100

Ground

Grounding Devices

Generic

100% LIFE * * 5 \$300

Stand-by Power

Transfer Switches

Automatic

100% 2037 * * 1 \$6,200

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. 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									
	Generators								
	Diesel	100%			2035	**	1	\$7,800	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Outside							
		Explanation : One 80 Kilovolt Ampere							
Batteries									
	Lead/Acid	100%			2025	\$2,400	5	\$700	
Fuel Storage									
	Day Tank	100%			2040	**	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Belly Tank. Outside							
		Explanation : One 60 Gallons							
Lighting									
	Interior Lighting								
	Fluorescent	90%			2032	\$153,000	10	\$16,500	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Throughout The Building							
	HID	10%			2027	\$11,600	10	\$100	
Egress Lighting									
	Emergency, Service	40%			2032	\$4,800	1		
	Emergency, Battery	10%			2032	\$3,300	10	\$500	
	Exit, Service	50%			2032	\$4,200	1		
Exterior Lighting									
	HID	20%			2032	\$18,300	10		
	No Component	80%							
Alarm									
	Security System								
	No Component	80%							
	Generic	10%			2032	\$3,700	1	\$800	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Outside							
		Explanation : CCTV Surveillance Cameras							
	Generic	10%			2027	\$3,700	1	\$800	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Hallways And Exit Doors							
		Explanation : Intrusion Alarm And Motion Sensor							
Fire/Smoke Detection									
	No Component	70%							
	Generic, Digital	30%			2032	\$15,100	1-3	\$3,700	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Throughout The Building							
		Explanation : Strobe Lights, Alarm Bell, Horns, Smoke Detector, Pull Box And Fire Alarm Panel							

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

Maintenance \$ are aggregated over a ten-year period. 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%			2052	* *	1		
	Natural Gas	90%			2052	* *	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%			2032	\$50,900	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	\$900	2048	* *	4	\$1,000	
		Insul. Deteriorating, Extent : Severe, Area Affected : 100%							
		Location : Throughout							
	Terminal Devices								
	Convactor/Radiator	80%			2045	* *	1	\$5,200	
	Unit Heater - Steam	20%			2032	\$22,200	4	\$400	
		Other Observation, Extent : Light, Area Affected : 20%							
		Location : 1st Floor Ceiling							
		Explanation : Good Condition							
Air Conditioning									
	Energy Source								
	Electricity	100%			2048	* *	1		
	Conversion Equipment								
	Exterior Pkg Unit - Cooling	30%			2032	\$64,400	2	\$400	
	Window/Wall Unit	60%	Now	\$4,400	2027	\$44,500	1		
		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%			2037	* *	2	\$600	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2052	* *	1		

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. 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 With Tanks								
	Gas Fired	100%			2032	\$83,400	2		
				Other Observation, Extent : Light, Area Affected : 100%					
				Location : Boiler Room					
				Explanation : One 74 Gallon Unit					
Sanitary Piping									
	Cast Iron	100%	0-2	\$49,300	LIFE	* *	1		
				Other Observation, Extent : Severe, Area Affected : 100%					
				Location : 1st Floor					
				Explanation : Sewage Backup During Heavy Rain					
Storm Drain Piping									
	Cast Iron	100%			LIFE	* *	1		
Fixtures									
	Generic	100%							
Fire Suppression									
	Standpipe								
	Generic	100%			2052	* *	1-5	\$10,500	
Sprinkler									
	Generic	100%			2052	* *	1-2	\$5,600	
Chemical System									
	Dry	10%			2030	\$1,600	1-3	\$7,300	
				Other Observation, Extent : Moderate, Area Affected : 10%					
				Location : Kitchen					
				Explanation : Pcl-160					
	No Component	80%							
	Generic	10%			2027	\$1,600	1-3	\$7,400	
				Other Observation, Extent : Light, Area Affected : 100%					
				Location : Throughout					
				Explanation : Fire Extinguishers					

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$71,800	
Interior Architecture	\$107,600	
Total	\$179,300	
Importance Code A	\$71,800	
Importance Code C	\$107,600	
Total	\$179,300	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$73,700			
Interior Architecture	\$11,100			
Electrical	\$200	\$3,900	\$200	\$200
Mechanical	\$2,700	\$1,700	\$1,600	\$300
Site Pavements	\$9,500			
Total	\$97,200	\$5,700	\$1,800	\$500
Importance Code A	\$73,700			
Importance Code B	\$13,700	\$5,700	\$1,800	\$500
Importance Code C	\$9,700			
Total	\$97,200	\$5,700	\$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 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	\$71,800	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+	\$23,300	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	\$39,300	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	\$9,100	LIFE	* *	5	\$11,900	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : Throughout							
	Ceramic Tile	5%			2040	* *	5	\$300	
	Vinyl Tile	5%	Now	\$200	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		\$600	
Fiberglass Panel	5%			LIFE	**				
Gypsum Board	20%			LIFE	**	5		\$1,300	
Masonry: Brick	55%	Now		\$107,600	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		\$1,500	2044	**	5	\$500	

Broken/Missing Elements, Extent : Moderate, Area Affected : 15%

Location : Corridors, Lockers, Storage Rooms And Throughout

Exposed Struc: Concrete	50%			LIFE	**	5		\$500	
Plaster	5%			LIFE	**	5		\$200	

Water Penetration, Extent : Light, Area Affected : 5%

Location : Tour Lieutenant Office

Site Enclosure

Fence/Gates

Chain Link	100%			2051	**				
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Site Pavements

On-Site Walkways

Cast in Place Concrete	16%	Now		\$5,200	2036	**			
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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	**				
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Parking/Driveway

Asphalt	80%	4+		\$4,200	2040	**			
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Cracking/Crumbling, Extent : Light, Area Affected : 5%

Location : East Side

Cast in Place Concrete	20%			2044	**				
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Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts

Raceway

Conduit	100%			2041	**	1			
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Panelboards

Fused Disc Sw	5%			2030		\$2,400	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	\$3,400	10	\$500	
	Exit, Battery	50%			2031	\$2,900	10	\$100	
	Exterior Lighting								
	HID	50%			2031	\$9,400	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	\$5,200	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.
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** 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	\$26,300	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	\$1,500	1		
	No Component	50%							
Distribution									
	Ductwork/Diffusers	100%			LIFE	* *	2	\$5,400	
Ventilation									
Distribution									
	Ductwork/Diffusers	40%			LIFE	* *	2-5	\$900	
	No Component	60%							
Exhaust Fans									
	Interior	100%			2036	* *	2	\$100	
Plumbing									
H/C Water Piping									
	Galvanized Steel	100%			2036	* *	1		
Sanitary Piping									
	Cast Iron	100%	Now	\$2,500	LIFE	* *	1		
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%							

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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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 06-Oct-2022 **Landmark Status** : NONE
Areas Surveyed : Floors 1,2
Block : 1448 **Lot** : 40 **BIN** : 3038942

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$76,000	
Interior Architecture		\$114,300
Electrical	\$59,700	\$53,300
Mechanical		\$224,400
Total	\$135,700	\$392,000
Importance Code A	\$76,000	
Importance Code B	\$59,700	\$392,000
Total	\$135,700	\$392,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$900		\$2,400	
Interior Architecture	\$67,000		\$900	\$500
Electrical	\$2,900	\$600	\$700	\$600
Mechanical	\$26,800	\$700	\$700	\$700
Site Pavements	\$8,500			
Total	\$106,100	\$1,300	\$4,700	\$1,800
Importance Code A	\$24,500	\$300	\$2,700	\$300
Importance Code B	\$36,100	\$1,000	\$1,300	\$1,500
Importance Code C	\$45,500		\$700	
Total	\$106,100	\$1,300	\$4,700	\$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
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%			2047	**	5	\$4,800	
Stucco Cement	90%	0-2	\$76,000	2051	**	5	\$17,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Punct/Tear/Impact Damage, Extent : Light, Area Affected : 10%								
Location : Front Gate								
Windows								
Aluminum	100%			2050	**	5	\$1,800	
Roof								
Metal Panel	100%			2039	**	10	\$33,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof								
Explanation : Roof Was Not Accessed.								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$20,600	
Ceramic Tile	5%			2037	**	5	\$500	
Vinyl Tile	45%	Now	\$5,700	2034	\$114,300	3	\$1,600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Interior Walls								
Ceramic Tile	10%			2037	**	5	\$1,300	
Concrete Masonry Unit	30%	Now	\$36,700	LIFE	**	5	\$1,600	
Diagonal Cracks, Extent : Severe, Area Affected : 5%								
Location : Apparatus Room								
Vertical Cracks, Extent : Severe, Area Affected : 45%								
Location : Right Side Wall								
Other Observation, Extent : Severe, Area Affected : 45%								
Location : At Garage								
Explanation : Cracks Appear When Construction At Right Side Of Property Begins.								
Gypsum Board	60%			LIFE	**	5-10	\$13,600	
Ceilings								
AcousTileSusp.Lay-In	50%	Now	\$1,500	2039	**	5	\$2,400	
Staining/Discoloring, Extent : Moderate, Area Affected : 10%								
Location : Second Floor								
Other Observation, Extent : Moderate, Area Affected : 25%								
Location : 2nd, Mezzanine Floor								
Explanation : Evidence Of Water Leak Coming From Roof								
Gypsum Board	50%	Now	\$4,000	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	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
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	

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%	0-2	\$8,500	2051	* *				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>									
<i>Location : Front Sidewalk</i>									

On-Site Walkways

Cast in Place Concrete	100%			2039	* *				
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Electrical		Current Repair			Future Replacement		Maintenance		
System	Component	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost	Priority
	Type	Total	(Years)		FY		(Yrs)		

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2044	* *		5	\$200	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>									
<i>Location : Electrical Room</i>									
<i>Explanation : No Nameplate Ratings Available</i>									

Raceway

Conduit	100%			2044	* *		1		
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Panelboards

Molded Case Bkrs	100%			2042	* *		5	\$200	
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Wiring

Thermoplastic	100%			2044	* *		1		
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Ground

Grounding Devices

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

Transfer Switches

Automatic	100%			2032		\$12,900	1	\$2,500	
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Generators

Diesel	100%	2-4	\$59,700	2049	* *		1	\$2,800	
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*Other Observation, Extent : N/A, 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%			2025		\$2,400	5	\$300	
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Fuel Storage

Main Tank	100%			2049	* *		5		
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Mechanical Room**Explanation : 60 Gallon Capacity*

Lighting

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

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

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

FIRE DEPARTMENT - 057
EMS STATION 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
Lighting									
	Interior Lighting								
	Fluorescent	90%			2034	\$48,000	10	\$5,200	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Throughout The Building							
	Fluorescent	10%			2034	\$5,300	10	\$600	
		T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Apparatus Floor							
Egress Lighting									
	Emergency, Service	50%			2034	\$1,900	1		
	Exit, Service	50%			2034	\$1,300	1		
Exterior Lighting									
	HID	10%			2034	\$3,600	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%			2044	* *	1		
	Conversion Equipment								
	Furnace	40%			2034	\$7,600	1	\$1,200	
		Other Observation, Extent : Light, Area Affected : 40%							
		Location : Truck Bay							
		Explanation : 3 Gasoline Fired Unit Heaters							
	Hot Water Boiler	60%	2-4	\$23,500	2054	* *	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%	2-4	\$2,400	2033	\$8,100	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									
	Convactor/Radiator	60%			2032	\$30,100	1	\$1,200	
	No Component	40%							
Controls									
	Digital	100%			2029	\$224,400			

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 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
Air Conditioning									
	Energy Source								
	Electricity	100%			2042	* *	1		
	Conversion Equipment								
	Split Unit	10%			2034	\$14,600			
				Malfunctioning, Extent : Moderate, Area Affected : 100%					
				Location : 1st Floor Officer Reset Adjustment					
				Other Observation, Extent : Light, Area Affected : 100%					
				Location : First Floor Offices And Lounge					
				Explanation : Two 2-Ton Units					
	Window/Wall Unit	60%			2029	\$14,000	1		
	No Component	30%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	25%			LIFE	* *	2-5	\$1,400	
	No Component	75%							
	Exhaust Fans								
	Interior	25%			2034	\$6,800	2	\$100	
				Other Observation, Extent : Moderate, Area Affected : 100%					
				Location : Mens And Womens Locker Rooms					
				Explanation : Inline Fan Above Hung Ceiling					
	No Component	75%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2044	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2032	\$16,700	2		
				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%			2029	\$2,700	1	\$400	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Sprinkler								
	Generic	100%			2044	* *	1-2	\$1,800	

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 7,180 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Floors 1,2
Block : 1500 **Lot** : 2 **BIN** : 4437132

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$74,000	
Interior Architecture	\$65,200	
Total	\$139,300	
Importance Code A	\$74,000	
Importance Code B	\$65,200	
Total	\$139,300	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$1,600			
Interior Architecture	\$36,200	\$500		\$1,000
Electrical	\$200	\$300	\$1,500	\$200
Mechanical	\$18,900	\$300	\$600	\$300
Total	\$56,900	\$1,100	\$2,100	\$1,500
Importance Code A	\$1,700	\$100	\$100	\$100
Importance Code B	\$43,700	\$600	\$2,000	\$1,400
Importance Code C	\$11,500	\$500		
Total	\$56,900	\$1,100	\$2,100	\$1,500



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

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

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

FIRE DEPARTMENT - 057
EMS 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 90% 0-2 \$74,000 LIFE * * 5 \$9,200

Efflorescence, Extent : Light, Area Affected : 20%

Location : Front Facade

Metal Sect. OHD 10% 2045 * * 5 \$3,200

Parapets

Not Accessible 75%

Not Accessible 25%

Roof

Not Accessible 100%

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

Location : Roof

Explanation : There Is No Permanent Access To The Roof. A Ladder Was Not Available.

Interior

Floors

Cast in Place Concrete 23% LIFE * * 5 \$5,400

Ceramic Tile 2% 2035 * * 5 \$200

Vinyl Tile 75% Now \$65,200 2042 * * 3 \$3,000

Worn/Eroded, Extent : Moderate, Area Affected : 40%

Location : Second Floor

Interior Walls

Ceramic Tile 5% 2041 * * 5 \$1,000

Concrete Masonry Unit 15% LIFE * * 5 \$1,200

Gypsum Board 40% LIFE * * 5 \$4,600

Masonry: Brick 5% LIFE * * 5 \$1,400

Plaster 25% 0-2 \$11,500 LIFE * * 5 \$1,400

Staining/Discoloring, Extent : Moderate, Area Affected : 30%

Location : Throughout

SGFT/Glazed Masonry 10% LIFE * * 5

Ceilings

AcousTileSusp.Lay-In 75% 0-2 \$24,600 2045 * * 5 \$3,800

Staining/Discoloring, Extent : Moderate, Area Affected : 30%

Location : Second Floor

Exposed Struc: Steel 20% LIFE * * 5

Gypsum Board 5% LIFE * * 5 \$600

Electrical	Current Repair			Future Replacement		Maintenance		
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)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
	Raceway							
	Conduit	100%		2032	\$36,000	1		
	Panelboards							
	Fused Disc Sw	5%		2031	\$2,400	5		
	Molded Case Bkrs	95%		2031	\$46,000	5	\$200	
	Wiring							
	Thermoplastic	100%		2032	\$32,500	1		
	Motor Controllers							
	Locally Mounted	100%		2030	\$17,800	5		
Lighting								
	Interior Lighting							
	Fluorescent	80%		2032	\$48,700	10	\$5,300	
		<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Offices</i>						
	LED	20%		2040	* *			
	Egress Lighting							
	Emergency, Battery	50%		2032	\$5,900	10	\$900	
	Exit, Service	50%		2032	\$1,500	1		
	Exterior Lighting							
	LED	20%		2040	* *			
	No Component	80%						
Alarm								
	Security System							
	No Component	80%						
	Generic	10%		2032	\$1,300	1	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Outside</i>						
		<i>Explanation : CCTV Surveillance Cameras</i>						
	Generic	10%		2027	\$1,300	1	\$300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Hallway And Exit Doors</i>						
		<i>Explanation : Intrusion Alarm And Motion</i>						
	Fire/Smoke Detection							
	No Component	70%						
	Generic, Digital	30%		2032	\$5,400	1-3	\$1,300	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Throughout The Building</i>						
		<i>Explanation : Strobe Lights, Alarm Bell, Horns, Smoke Detectors, Pull Box And Fire Alarm Panel</i>						
Mechanical		Current Repair		Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								

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

Estimates are rounded to the nearest hundred dollars.

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

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

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

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Energy Source								
	Natural Gas	30%			2042	* *	1		
	No Component	70%							
		Other Observation, Extent : Light, Area Affected : 0%							
		Location : Throughout							
		Explanation : Hot Water Provided From Hospital							
Conversion Equipment									
	Furnace	30%			2032	\$6,500	1	\$1,100	
		Other Observation, Extent : N/A, 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							
Distribution									
	Hot Wtr Piping/Pump	70%			2031	\$3,200	4	\$200	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Throughout							
		Explanation : There Is No Temperature Control							
	No Component	30%							
Terminal Devices									
	Convactor/Radiator	70%			2030	\$12,000	1	\$1,600	
	No Component	30%							
Air Conditioning									
	Energy Source								
	Electricity	100%			2040	* *	1		
Conversion Equipment									
	Window/Wall Unit	70%			2025	\$18,600	1		
	No Component	30%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	30%			LIFE	* *	2-5	\$1,200	
	No Component	70%							
Exhaust Fans									
	No Component	70%							
	Not Accessible	30%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2042	* *	1		
Sanitary Piping									
	Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping									
	Cast Iron	100%			LIFE	* *	1		
Fixtures									
	Generic	100%							

Fire Suppression

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

Estimates are rounded to the nearest hundred dollars.

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

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

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

Mechanical		Current Repair		Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Fire Suppression								
Sprinkler								
No Component		70%						
Generic		30%		2032	\$29,100	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 31-Mar-2023 **Landmark Status** : NONE
Areas Surveyed : Floors 1
Block : 6858 **Lot** : 1 **BIN** : 4442431

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Site Pavements		\$165,400
Total		\$165,400
Importance Code C		\$165,400
Total		\$165,400

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$800			
Interior Architecture	\$10,600		\$500	
Electrical	\$200	\$100	\$100	\$100
Mechanical	\$1,400	\$200	\$700	\$200
Site Pavements	\$15,200	\$300	\$300	\$2,000
Total	\$28,100	\$600	\$1,500	\$2,300
Importance Code A	\$800	\$200		\$200
Importance Code B	\$11,400	\$100	\$1,300	\$100
Importance Code C	\$16,000	\$300	\$300	\$2,000
Total	\$28,100	\$600	\$1,500	\$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 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	90%			2054	**	10	\$2,500	
	Metal Panel	10%			2054	**	5-10	\$6,000	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Building Eaves And Corners								
	Explanation : Material Is Diamond Plate								
	Windows								
	Aluminum	100%			2050	**	5	\$500	
	Recent Replace Evident, Extent : N/A, Area Affected : 100%								
	Location : Throughout								
	Roof								
	Modified Bitumen	100%			2039	**	10	\$2,800	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Roof								
	Explanation : Roof Not Accessible								
	Soffits								
	Exposed Struc: Wood	100%			LIFE	**	10	\$600	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Above Entrances								
	Explanation : Entry Awning								
Interior									
	Floors								
	Sheet Vinyl/Rubber	10%			2039	**	5	\$700	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Bathrooms								
	Explanation : Vinyl Sheet In Bathrooms								
	Vinyl Tile	90%			2039	**	3	\$1,500	
	Interior Walls								
	Gypsum Board	95%			LIFE	**	5-10	\$1,200	
	Plywood/Hardboard	5%			LIFE	**	10		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Bathrooms And Showers								
	Explanation : Material Is Vinyl Panels								
	Ceilings								
	Gypsum Board	100%			LIFE	**	5-10	\$15,500	
Site Enclosure									
	Fence/Gates								
	Chain Link	100%			2054	**			
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%			2047	**			
	On-Site Walkways								
	Wood	100%			2029	\$165,400	1-3	\$9,800	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Front And Rear								
	Explanation : Stairs And Ramps								

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. 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

Site Pavements

Parking/Driveway
Asphalt

75% Now \$11,800 2043 * *
Broken/Missing Elements, Extent : Severe, Area Affected : 100%
Location : Driveway
Cracking/Crumbling, Extent : Light, Area Affected : 5%
Location : Parking Lot
Other Observation, Extent : Severe, Area Affected : 100%
Location : Driveway
Explanation : Steel Plate Cover Driveway, Uneven And Slippery

Cast in Place Concrete

25% 0-2 \$1,300 2047 * *
Cracking/Crumbling, Extent : Light, 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% 2054 * * 5
Other Observation, Extent : N/A, Area Affected : 100%
Location : Outside
Explanation : Main Service Disconnect Switch Rated At 400 Amperes.

Switchgear / Switchboard
Molded Case Bkrs

100% 2054 * * 5 \$100

Raceway

Conduit 100% 2054 * * 1

Panelboards

Molded Case Bkrs 100% 2050 * * 5 \$100

Wiring

Thermoplastic 100% 2054 * * 1

Ground

Grounding Devices
Not Accessible

100%

Lighting

Interior Lighting

LED 100% 2039 * *

Egress Lighting

Emergency, Battery 50% 2039 * * 10 \$400

Exit, LED 50% 2062 * * 1

Exterior Lighting

LED 30% 2039 * *

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
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	

Alarm

Security System
Generic

100%

2039

* *

1

\$1,100

*Other Observation, Extent : N/A, 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

Conversion Equipment

Heat Pump Air Sourced

100%

2038

* *

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

\$2,600

Controls

Electrical

100%

2032

\$16,300

Air Conditioning

Energy Source

Electricity

100%

2056

* *

1

Conversion Equipment

Split Unit

100%

2039

* *

Heat Rejection

Air Cooled Condenser
Unit

100%

2039

* *

2

\$2,100

Ventilation

Exhaust Fans

Roof

10%

2042

* *

2

No Component

90%

Plumbing

H/C Water Piping

Brass/Copper

100%

2060

* *

1

Water Heater With Tanks

Electric

100%

2033

\$23,100

4

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : 1st Floor Closet**Explanation : 50 Gallon Unit*

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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$5,800	\$1,900		\$26,200
Interior Architecture	\$23,800	\$9,200		
Electrical	\$2,300	\$2,400	\$2,100	\$4,800
Mechanical	\$6,300	\$1,300	\$7,600	\$1,300
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$42,200	\$18,700	\$13,600	\$36,100
Importance Code A	\$6,400	\$2,500	\$600	\$26,800
Importance Code B	\$31,400	\$13,500	\$13,000	\$9,300
Importance Code C	\$4,400	\$2,700		
Total	\$42,200	\$18,700	\$13,600	\$36,100



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 50 - BLDG. 1
Asset # : 14934

Architecture		Current Repair			Future Replacement		Maintenance		
System	Component	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost	Priority
	Type	Total	(Years)		FY		(Yrs)		
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%			2059	**	5-10	\$11,800	
	Metal Sect. OHD	10%			2050	**	5	\$10,700	
	Pre-Cast Concrete	15%			LIFE	**	5	\$16,700	
	Window Wall	65%			2059	**	5	\$83,500	
Windows									
	Aluminum	75%			2055	**	5	\$900	
	Metal Louvers	25%			2046	**	10	\$1,900	
Parapets									
	Metal Panel	25%			2059	**	5	\$2,400	
	No Component	75%							
Roof									
	Single Ply Membrane	100%			2038	**	10	\$26,200	
Soffits									
	Metal Panel	100%			2059	**	5-10	\$49,400	
Interior									
Floors									
	Carpet	10%			2032	\$50,400	3	\$4,400	
	Cast in Place Concrete	40%	4+	\$19,400	LIFE	**	5	\$25,500	
Water Penetration, Extent : Moderate, Area Affected : 2%									
Location : Basement Storage Area During Heavy Rain									
	Ceramic Tile	30%			2046	**	5	\$8,800	
	Vinyl Tile	20%			2041	**	3	\$2,200	
Interior Walls									
	Cast in Place Concrete	10%			LIFE	**			
Other Observation, Extent : Light, Area Affected : 100%									
Location : Throughout									
Explanation : Precast Concrete									
	Ceramic Tile	10%			2046	**	5	\$5,400	
	Glass: Special Gauge	10%			LIFE	**	1		
	Gypsum Board	30%	4+	\$4,400	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%			2053	**			
Free Standing Walls									
	Cast in Place Concrete	100%			2068	**			

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

Estimates are rounded to the nearest hundred dollars.

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

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

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

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

Site Pavements

Public Sidewalk

Cast in Place Concrete 100%

2046 * *

On-Site Walkways

Cast in Place Concrete 100%

2046 * *

Parking/Driveway

Asphalt 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%

2055

* *

5

Molded Case Bkrs 95%

2055

* *

5

\$300

Wiring

Thermoplastic 100%

2059

* *

1

Motor Controllers

Locally Mounted 100%

2050

* *

5

\$100

Ground

Grounding Devices

Generic 100%

LIFE

* *

5

\$200

Stand-by Power

Transfer Switches

Automatic 100%

2050

* *

1

\$4,000

Generators

Diesel 100%

2046

* *

1

\$5,000

*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside The Building**Explanation : One 117.3 Kilowatts*

Batteries

Lead/Acid 100%

2028

\$2,400

5

\$500

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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%			2055	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Generator Room Outside							
		Explanation : One 79 Gallons							
	Main Tank	70%			2068	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Underground							
		Explanation : One 2,500 Gallons							
Lighting									
	Interior Lighting								
	Fluorescent	100%			2041	* *	10	\$11,900	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Throughout The Building							
	Egress Lighting								
	Emergency, Service	55%			2041	* *	1		
	Emergency, Battery	5%			2041	* *	10	\$200	
	Exit, LED	40%			2068	* *	1		
	Exterior Lighting								
	LED	20%			2041	* *			
	No Component	80%							
Alarm									
	Security System								
	Generic	100%			2041	* *	1	\$4,900	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Inside And Outside							
		Explanation : CCTV Surveillance Camera							
	Fire/Smoke Detection								
	Generic, Digital	100%			2041	* *	1-3	\$8,000	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Throughout The Building							
		Explanation : Strobe Lights, Alarm Bells, Horns, Smoke Detector, Pull Boxes And Fire Alarm Panel							

Mechanical		Current Repair			Future 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%			2053	* *	1		
	Conversion Equipment								
	Furnace	100%			2038	* *	1	\$6,400	
	Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$7,300	

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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
Heating									
	Terminal Devices								
	Fan Coil Unit/Heat	20%			2038	**	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%			2049	**	1		
	Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	100%			2038	**	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								
	Interior	20%	0-2	\$600	2038	**	2	\$100	
		Malfunctioning, Extent : Moderate, Area Affected : 20%							
		Location : 1st Floor Apparatus Room. Defective Ventilation Unit							
	Roof	80%			2038	**	2	\$300	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2053	**	1		
	Water Heater With Tanks								
	Gas Fired	100%			2031	\$33,400	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : First Floor							
		Explanation : 2 Units							
	Sanitary Piping								
	Cast Iron	100%			LIFE	**	1		
	Storm Drain Piping								
	Cast Iron	100%	0-2	\$4,500	LIFE	**	1		
		Blockage /Clogged, Extent : Severe, Area Affected : 10%							
		Location : Clogged Drain At 1st Floor And 2nd Floor							
	Backflow Preventer								
	Generic	100%			2038	**	1	\$800	
	Fixtures								
	Generic	100%							
Vertical Transport									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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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
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%			2053		* *	1-2	\$3,600

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 21-Sep-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Floors 1,2
Block : 4975 **Lot** : 31 **BIN** : 4112309

CAPITAL		FY 2025 - 2028		FY 2029 - 2034
Exterior Architecture		\$617,900		
Interior Architecture		\$362,200		
Electrical				\$63,500
Total		\$980,200		\$63,500
Importance Code A		\$617,900		
Importance Code B		\$251,300		\$63,500
Importance Code C		\$110,900		
Total		\$980,200		\$63,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$68,300	\$2,000		
Interior Architecture	\$68,100		\$600	\$800
Electrical	\$1,400	\$300	\$200	\$300
Mechanical	\$4,200	\$800	\$33,400	\$1,000
Site Enclosure	\$57,200			
Site Pavements	\$10,400			
Total	\$209,600	\$3,000	\$34,200	\$2,000
Importance Code A	\$68,900	\$2,600	\$600	\$600
Importance Code B	\$73,800	\$500	\$33,600	\$1,400
Importance Code C	\$66,900			
Total	\$209,600	\$3,000	\$34,200	\$2,000



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
EMS STATION 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	50%	Now	\$404,500	LIFE	* *	5	\$12,600	
		Efflorescence, Extent : Light, Area Affected : 10%							
		Location : Throughout							
		Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%							
		Location : All Facades							
		Spalling, Extent : Moderate, Area Affected : 10%							
		Location : Below Cornice On 38th Avenue							
		Vegetation Growth, Extent : Moderate, Area Affected : 30%							
		Location : Rear And Side Yards							
		Water Penetration, Extent : Severe, Area Affected : 30%							
		Location : 2nd Floor Window Areas, Office							
	Masonry: Brick	35%			LIFE	* *	5	\$17,600	
	Masonry: Granite	5%	4+	\$9,700	LIFE	* *	5	\$900	
		Staining/Discoloring, Extent : Moderate, Area Affected : 10%							
		Location : Throughout							
	Masonry: Limestone	5%			LIFE	* *	5	\$1,900	
	Metal Sect. OHD	5%			2051	* *	5	\$3,900	
		Recent Replace Evident, Extent : N/A, Area Affected : 100%							
		Location : Garage							
Windows									
	Aluminum	100%	Now	\$43,200	2050	* *	5	\$900	
		Crtrw/Balnc Not Funct, Extent : Severe, Area Affected : 50%							
		Location : Throughout							
		Water Penetration, Extent : Severe, Area Affected : 50%							
		Location : 2nd Floor - Kitchen, Lieutenant Office							
Parapets									
	Masonry: Brick	95%	Now	\$158,800	LIFE	* *	5	\$1,800	
		Efflorescence, Extent : Moderate, Area Affected : 30%							
		Location : Throughout							
		Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%							
		Location : Throughout							
		Spalling, Extent : Moderate, Area Affected : 30%							
		Location : Throughout							
	Masonry: Limestone	5%	Now	\$5,600	LIFE	* *	5	\$100	1
		Loose Units, Extent : Severe, Area Affected : 20%							
		Location : Coping - Based On Interview							
		Caulking Deteriorated, Extent : Moderate, Area Affected : 75%							
		Location : Throughout							
Roof									
	Modified Bitumen	100%	Now	\$54,600	2039	* *			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							

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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 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								
Floors								
Cast in Place Concrete	20%	Now	\$89,500	LIFE	**	5	\$3,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Parking Garage								
Uneven Surface, Extent : Moderate, Area Affected : 20%								
Location : Parking Garage								
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : Parking Garage - Water Infiltration From Street								
Mosaic Tile	5%			2047	**	5	\$1,100	
Terrazzo	5%			LIFE	**	5	\$700	
Vinyl Tile	70%	Now	\$101,800	2039	**	3	\$2,400	
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%								
Location : Second Floor								
Loose/Delam Surface, Extent : Severe, Area Affected : 30%								
Location : 2nd Floor								
Loose Units, Extent : Moderate, Area Affected : 10%								
Location : Kitchen, Offices And Storage Areas								
Misaligned/Bulging, Extent : Severe, Area Affected : 30%								
Location : 2nd Floor, Kitchen - Past Water Damage								
Worn/Eroded, Extent : Severe, Area Affected : 30%								
Location : 2nd Floor, Kitchen And Past Water Damage								
Interior Walls								
Cast in Place Concrete	9%	Now	\$33,000	LIFE	**			
Staining/Discoloring, Extent : Moderate, Area Affected : 25%								
Location : Basement								
Water Penetration, Extent : Severe, Area Affected : 25%								
Location : Basement								
Ceramic Tile	2%	Now	\$2,700	2043	**	5	\$100	
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : Toilets								
Masonry: Brick	12%			LIFE	**	10	\$400	
Plaster	63%	Now	\$110,900	LIFE	**	5	\$2,300	
Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
Location : Throughout Stairs And Corridors, Kitchen, Window Areas								
Paint Peeling, Extent : Severe, Area Affected : 30%								
Location : 2nd Floor								
Water Penetration, Extent : Severe, Area Affected : 30%								
Location : 2nd Floor Windows								
SGFT/Glazed Masonry	14%	Now	\$7,600	LIFE	**			
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Apparatus Bay								
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Apparatus Bay								

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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								
Ceilings								
AcousTileSusp.Lay-In	10%	Now	\$4,400	2047	* *	5	\$400	
Loose/Miss Fasteners, Extent : Moderate, Area Affected : 30%								
Location : 2nd Floor								
Staining/Discoloring, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Water Penetration, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Exposed Struc: Concrete	15%	Now	\$19,700	LIFE	* *	5	\$200	
Exposed Reinforcement, Extent : Moderate, Area Affected : 10%								
Location : Basement - Water Penetration From Apparatus Bay								
Spalling, Extent : Severe, Area Affected : 10%								
Location : Basement								
Plaster	75%	Now	\$60,000	LIFE	* *	5	\$4,200	
Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Paint Peeling, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Second Floor, Locker Room And Hallway								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$12,800	2054	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Corrosion/Rusting, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Impact Damage, Extent : Moderate, Area Affected : 10%								
Location : Side yards								
Retaining Walls								
Cast in Place Concrete	100%	Now	\$44,400	2069	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 90%								
Location : Rear Yard Separating Public Parking								
Graffiti, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Impact Damage, Extent : Severe, Area Affected : 30%								
Location : Rear And Side Yards Adjoining Public Parking Lot								
Misaligned/Bulging, Extent : Severe, Area Affected : 75%								
Location : Rear Yard Separating Public Parking								
Spalling, Extent : Severe, Area Affected : 30%								
Location : Rear And Side Yards								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2047	* *			

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 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	

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%	Now	\$10,400	2051	**
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Cracking/Crumbling, Extent : Severe, Area Affected : 30%

Location : Back And Side Of The Building

Parking/Driveway

Cast in Place Concrete	100%			2047	**
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Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2034	\$14,700	5
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : Main Service Switch Rated At 200 Amperes.

Switchgear / Switchboard

Molded Case Bkrs	100%			2034	\$63,500	5	\$200
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Raceway

Conduit	100%			2034	\$36,000	1
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Panelboards

Molded Case Bkrs	70%			2033	\$33,900	5	\$100
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Molded Case Bkrs	30%			2056	**	5
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Recent Installation, Extent : N/A, Area Affected : 100%

Location : Locker Room

Wiring

Thermoplastic	100%			2034	\$32,500	1
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Motor Controllers

Locally Mounted	100%			2051	**	5
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Recent Installation, Extent : N/A, Area Affected : 100%

Location : Main Door

Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200
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Lighting

Interior Lighting

Fluorescent	98%			2034	\$49,900	10	\$5,400
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T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%

Location : Throughout The Building

LED	2%			2044	**
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Recent Installation, Extent : N/A, Area Affected : 100%

Location : Office Throughout

Egress Lighting

Emergency, Battery	50%			2034	\$4,900	10	\$700
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Exit, Battery	50%			2034	\$4,200	10	\$200
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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

Lighting

Exterior Lighting

HID

20% Now \$1,100 2039 * *

*Outdr Lights On During Daytime, Extent : Light, Area Affected : 20%**Location : Main Entrance**Other Observation, Extent : N/A, Area Affected : 100%**Location : Building Exterior**Explanation : Controlled Via Photocell*

No Component

80%

Alarm

Security System

Generic

100% 2039 * * 1 \$2,200

*Other Observation, Extent : N/A, 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% 2044 * * 1

Conversion Equipment

Steam Boiler

100% 2039 * * 1 \$5,900

Distribution

Steam Piping/Pump

100% 2044 * *

Terminal Devices

Convactor/Radiator

100% 2039 * * 1 \$1,900

Controls

Electrical

100% 2027 \$32,600

*Other Observation, Extent : Light, Area Affected : 100%**Location : Building**Explanation : 1 Zone For The Whole Building*

Air Conditioning

Energy Source

Electricity

40% 2042 * * 1

No Component

60%

Conversion Equipment

Window/Wall Unit

40% 2029 \$8,900 1

No Component

60%

Ventilation

Exhaust Fans

Interior

10% 2034 \$2,600 2

*Other Observation, Extent : N/A, Area Affected : 100%**Location : 2nd Floor Bathrooms**Explanation : Toilet Exhaust*

No Component

90%

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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
Plumbing									
	H/C Water Piping Brass/Copper	100%			2044	* *	1		
		No Water Meter, Extent : Light, Area Affected : 100%							
		Location : Basement							
	Water Heater With Tanks Gas Fired	100%	2-4	\$3,300	2029	\$33,400	2		
		Malfunctioning, Extent : Moderate, Area Affected : 100%							
		Location : Water Slow To Heat Up In Basement							
		Other Observation, Extent : N/A, 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%			2028	\$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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 07-Sep-2022 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 12961 **Lot** : 10 **BIN** : 4279279

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$57,000	
Total	\$57,000	
Importance Code A	\$57,000	
Total	\$57,000	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$31,500		\$2,500	\$1,200
Interior Architecture	\$31,400		\$1,900	\$500
Electrical	\$1,300	\$1,000	\$1,100	\$3,400
Mechanical	\$2,700	\$400	\$500	\$400
Total	\$66,900	\$1,400	\$6,000	\$5,500
Importance Code A	\$33,600	\$300	\$2,800	\$1,500
Importance Code B	\$26,800	\$1,100	\$3,200	\$3,700
Importance Code C	\$6,500			\$300
Total	\$66,900	\$1,400	\$6,000	\$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
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	\$5,900	
	Masonry: Brick Cavity	60%			LIFE	**	5	\$18,800	
	Metal Sect. OHD	10%			2047	**	5	\$4,900	
Windows									
	Aluminum	100%			2050	**	5	\$1,000	
Parapets									
	Masonry: Brick	90%			LIFE	**	5-10	\$15,300	
	Metal Cornice	10%			2062	**	10	\$800	
Roof									
	Modified Bitumen	100%	4+	\$57,000	2039	**			
	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+	\$5,600	LIFE	**	5	\$1,400	
	Corrosion/Rusting, Extent : Moderate, Area Affected : 100%								
	Location : Front Of Building Awning								
	Fiberglass Panel	60%			2043	**	5	\$2,500	
Interior									
Floors									
	Cast in Place Concrete	65%			LIFE	**	5	\$25,900	
	Ceramic Tile	5%			2043	**	5	\$500	
	Vinyl Tile	30%			2039	**	3	\$1,000	
Interior Walls									
	Ceramic Tile	5%			2043	**	5	\$500	
	Concrete Masonry Unit	60%			LIFE	**	5	\$5,300	
	Gypsum Board	30%			LIFE	**	5-10	\$5,600	
	Metal Panel	5%			LIFE	**	10	\$200	
Ceilings									
	AcousTileSusp.Lay-In	35%			2047	**	5	\$3,200	
	Exposed Struc: Steel	60%			LIFE	**	10	\$10,900	
	Gypsum Board	5%			LIFE	**	5-10	\$1,600	
Site Enclosure									
Fence/Gates									
	Iron Picket	100%			2069	**			
Free Standing Walls									
	Cast in Place Concrete	70%			2069	**			
	Concrete Masonry Unit	30%			2054	**			
Site Pavements									
Public Sidewalk									
	Cast in Place Concrete	100%			2047	**			
On-Site Walkways									
	Cast in Place Concrete	100%			2047	**			

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

Estimates are rounded to the nearest hundred dollars.

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

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

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

Architecture		Current Repair		Future Replacement		Maintenance		
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%

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%

2054

* *

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room**Explanation : One 400 Amperes Main Disconnect Switch*

Switchgear / Switchboard

Fused Disc Sw

100%

2054

* *

5

Raceway

Conduit

100%

2054

* *

1

Panelboards

Fused Disc Sw

5%

2050

* *

5

Molded Case Bkrs

95%

2050

* *

5

\$200

Wiring

Thermoplastic

100%

2054

* *

1

Motor Controllers

Locally Mounted

100%

2047

* *

5

Ground

Grounding Devices

Generic

100%

LIFE

* *

5

\$200

Stand-by Power

Transfer Switches

Automatic

100%

2047

* *

1

\$1,900

Generators

Diesel

100%

2043

* *

1

\$2,400

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

Batteries

Lead/Acid

100%

2028

\$2,400

5

\$200

Fuel Storage

Main Tank

100%

2062

* *

5

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

Lighting

Interior Lighting

Fluorescent

100%

2039

* *

10

\$5,600

*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : Throughout The 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.

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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									
	Egress Lighting								
	Emergency, Service	50%			2039	**	1		
	Exit, LED	50%			2062	**	1		
Exterior Lighting									
	HID	30%			2039	**	10		
	No Component	70%							
Alarm									
	Security System								
	Generic	100%			2039	**	1	\$2,300	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Outside Perimeter								
	Explanation : CCTV Surveillance Cameras								
Fire/Smoke Detection									
	Generic, Digital	100%			2039	**	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 And Fire Alarm Panel								

Mechanical		Current Repair			Future 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	90%			2039	* *	1	\$2,700	
		Other Observation, Extent : Light, Area Affected : 95%							
		Location : Modine Heaters In Garage, Package Unit On Roof							
		Explanation : 4 Modine Heaters, 1 Rooftop Package Unit							
	Furnace	10%	0-2	\$1,800	2044	* *	1	\$300	
		Controller Not Working, Extent : Moderate, Area Affected : 100%							
		Location : Thermostat Is Not Working							
Air Conditioning									
	Energy Source								
	Electricity	100%			2050	* *	1		
	Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	30%			2034	\$30,000	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%							
Ventilation									

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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)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
Distribution								
	Ductwork/Diffusers	30%		LIFE	* *	2-5	\$1,600	
	No Component	70%						
Exhaust Fans								
	Roof	50%		2034	\$5,800	2	\$100	
	Wall Unit	50%		2034	\$1,300	2	\$100	
Plumbing								
H/C Water Piping								
	Brass/Copper	100%		2054	* *	1		
Water Heater With Tanks								
	Gas Fired	100%		2029	\$16,700	2		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor Mechanical Room</i>								
<i>Explanation : One Gasoline Fired Water Heater</i>								
Sanitary Piping								
	Cast Iron	100%		LIFE	* *	1		
Storm Drain Piping								
	Cast Iron	100%		LIFE	* *	1		
Backflow Preventer								
	Generic	100%		2039	* *	1	\$400	
Fixtures								
	Generic	100%						

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

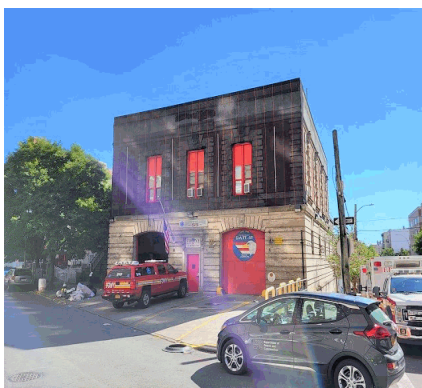
Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 23-Sep-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,Mez
Block : 2419 **Lot** : 1 **BIN** : 2001898

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$1,196,400	
Electrical		\$62,100
Mechanical		\$612,400
Site Pavements	\$119,100	
Total	\$1,315,500	\$674,500
Importance Code A	\$1,196,400	
Importance Code B		\$674,500
Importance Code C	\$119,100	
Total	\$1,315,500	\$674,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$18,800			
Interior Architecture	\$127,700		\$3,000	\$600
Electrical	\$3,900	\$1,300	\$3,700	\$1,500
Mechanical	\$13,200	\$2,000	\$3,300	\$1,900
Total	\$163,700	\$3,300	\$10,100	\$4,000
Importance Code A	\$20,000	\$1,200	\$1,200	\$1,200
Importance Code B	\$77,500	\$2,100	\$8,200	\$2,800
Importance Code C	\$66,200		\$700	
Total	\$163,700	\$3,300	\$10,100	\$4,000



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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 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	\$2,200	2044	* *			
		Deteriorated Finish, Extent : Moderate, Area Affected : 100% Location : Throughout							
	Masonry: Brick	25%	Now	\$827,500	LIFE	* *	5	\$7,100	1
		Cracking/Crumbling, Extent : Severe, Area Affected : 25% Location : Throughout Diagonal Cracks, Extent : Severe, Area Affected : 2% Location : North Facade Staining/Discoloring, Extent : Severe, Area Affected : 50% Location : Throughout Other Observation, Extent : N/A, Area Affected : 25% Location : Front Facade Explanation : Debris Netting Secured To Front Facade							
	Masonry: Brick	50%	Now	\$22,800	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	\$8,200	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	\$122,400	2054	* *	5	\$4,600	
		Cracking/Crumbling, Extent : Severe, Area Affected : 75% Location : Various Locations Throughout, Near Top Of Building							
	Wood Overhead Doors	5%			2039	* *	5	\$7,100	
Windows									
	Aluminum	100%			2050	* *	5	\$1,700	
		Unit Inoperable, Extent : Light, Area Affected : 2% Location : Rear Office Window							
Parapets									
	Masonry: Brick	90%	Now	\$6,800	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.

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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
Exterior									
Roof									
	Modified Bitumen	95%	4+	\$51,000	2039		* *		
	Recent Repair Evident, Extent : N/A, Area Affected : 60%								
	Location : Main Roof								
	Seams Open/Split, Extent : Moderate, Area Affected : 5%								
	Location : Main Roof								
	Other Observation, Extent : Severe, Area Affected : 100%								
	Location : Main Roof								
	Explanation : Repairs In Progress Poor Workmanship								
	Skylight, Metal/Glass	5%	Now	\$172,600	2064		* *		
	Deteriorated Finish, Extent : Severe, Area Affected : 5%								
	Location : Main Roof								
	Other Observation, Extent : Moderate, Area Affected : 100%								
	Location : Main Roof								
	Explanation : Failing Caulk Joints								
Interior									
Floors									
	Cast in Place Concrete	50%	Now	\$15,200	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%			2037		* *	5	\$400
	Ceramic Tile	3%			2043		* *	5	\$500
	Quarry Tile	5%			2047		* *	5	\$1,400
	Vinyl Tile	15%	Now	\$22,200	2044		* *	3	\$1,000
	Broken/Missing Elements, Extent : Severe, Area Affected : 2%								
	Location : Landing By Rear Stairs And Locker Room, 1st Floor, 2nd Floor Locker Rooms								
	Vinyl Tile	25%			2039		* *	3	\$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 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%			2037	* *	5	\$500	
	Ceramic Tile	3%			2047	* *	5	\$800	
Recent Construction, Extent : N/A, Area Affected : 100%									
Location : Toilet Room									
	Gypsum Board	35%			LIFE	* *	5-10	\$16,100	
	Masonry: Brick	40%	Now	\$40,300	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%									
Location : Basement And Various Locations Throughout.									
	Masonry: Fieldstone	5%	Now	\$8,800	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	\$1,300	LIFE	* *	5	\$800	
Broken/Missing Elements, Extent : Light, Area Affected : 75%									
Location : Various Locations Throughout 1st Floor.									
	Wood	5%			LIFE	* *	5	\$10,800	
Worn/Eroded, Extent : Light, Area Affected : 100%									
Location : Womens Locker Room									
Ceilings									
	AcousTileSusp.Lay-In	20%	2-4	\$1,200	2047	* *	5	\$1,800	
Staining/Discoloring, Extent : Light, Area Affected : 5%									
Location : Various Locations Throughout, Computer Lounge									
	AcousTileSusp.Lay-In	10%			2047	* *	5	\$1,800	
	Embossed Metal	30%	Now	\$8,100	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	* *	10	\$11,000	
	Gypsum Board	10%			LIFE	* *	5-10	\$6,300	
Site Enclosure									
Fence/Gates									
	Chain Link	100%			2044	* *			
Free Standing Walls									
	Cast in Place Concrete	100%			2069	* *			
Site Pavements									
On-Site Walkways									
	Cast in Place Concrete	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**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 \$119,100 2049 * *

*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% 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% 2034 \$14,700 5 \$100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 200 Amperes*

Raceway

Conduit

100% 2034 \$36,000 1

Panelboards

Fused Disc Sw

5% 2033 \$2,400 5

Molded Case Bkrs

95% 2033 \$46,000 5 \$300

Wiring

Thermoplastic

100% 2034 \$32,500 1

Motor Controllers

Locally Mounted

100% 2032 \$17,800 5 \$100

Ground

Grounding Devices

Generic

100% LIFE * * 5 \$400

Stand-by Power

Transfer Switches

Automatic

100% 2039 * * 1 \$3,800

Generators

Diesel

100% 2037 * * 1 \$4,700

*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside**Explanation : One 81 Kilovolt-ampere*

Batteries

Lead/Acid

100% 2027 \$2,400 5 \$500

Fuel Storage

Main Tank

100% 2049 * * 5

*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

40%

2034

\$41,400

10

\$4,500

*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : Throughout*

Fluorescent

20%

2029

\$20,700

10

\$2,200

*T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%**Location : Throughout The Building*

LED

40%

2042

* *

Egress Lighting

Emergency, Service

50%

2034

\$3,700

1

Exit, Service

50%

2034

\$2,600

1

Exterior Lighting

LED

20%

2042

* *

No Component

80%

Alarm

Security System

Generic

100%

2034

\$22,400

1

\$4,600

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

Energy Source

Natural Gas

100%

2044

* *

1

Conversion Equipment

Steam Boiler

100%

2039

* *

1

\$12,100

Distribution

Steam Piping/Pump

100%

0-2

\$1,900

2034

\$95,400

*Insul. Deteriorating, Extent : Moderate, Area Affected : 20%**Location : Basement*

Terminal Devices

Convactor/Radiator

75%

0-2

\$7,300

2032

\$73,100

1

\$2,700

*Corroded, Extent : Moderate, Area Affected : 10%**Location : 1st Floor**Leak Evident, Extent : Moderate, Area Affected : 10%**Location : Various Locations. Leaking Radiator*

Unit Heater - Steam

25%

2034

\$16,900

4

\$400

Air Conditioning

Energy Source

Electricity

100%

2042

* *

1

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

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

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

FIRE DEPARTMENT - 057**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
Air Conditioning									
	Conversion Equipment								
	Split Unit	75%			2034	\$212,200			
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : 1st And 2nd Floors							
		Explanation : 8 Units. R-410a Refrigerant							
	Window/Wall Unit	10%			2029	\$4,500	1		
	No Component	15%							
Terminal Devices									
	Fan Coil - 2 Pipe	75%			2034	\$231,700	1	\$3,000	
	No Component	25%							
Heat Rejection									
	Dry Cooler	75%			2039	* *	2	\$6,400	
	No Component	25%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	20%			LIFE	* *	2-5	\$2,200	
	No Component	80%							
Exhaust Fans									
	Interior	10%			2034	\$5,300	2		
	Roof	10%			2034	\$2,300	2		
	No Component	80%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2044	* *	1		
Water Heater With Tanks									
	Gas Fired	100%			2029	\$16,700	2		
		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%	2-4	\$400	2029	\$400	4	\$300	
		Not in Service, Extent : Moderate, Area Affected : 100%							
		Location : Basement							
		Obsolete Equipment, Extent : Moderate, 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**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

Fire Suppression

Chemical System

No Component

Generic

99%

1% 0-2

\$100

2034

\$200

1-3

\$700

*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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : EMS STATION 55 MELROSE STATION
Address : 3134 PARK AVE. @E 159TH STREET
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSEMS.055 / 13992 **Yr Built/Renovated** : 1905 / 1998
Area Sq Ft : 20,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-Oct-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2419 **Lot** : 1 **BIN** : 2001898

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$928,700	\$378,500
Interior Architecture	\$231,600	\$544,300
Electrical	\$50,900	
Site Pavements	\$54,300	
Total	\$1,265,400	\$922,800
Importance Code A	\$928,700	\$378,500
Importance Code B	\$259,300	\$544,300
Importance Code C	\$77,500	
Total	\$1,265,400	\$922,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$8,200		\$2,000	
Interior Architecture	\$16,700	\$800	\$1,200	\$2,500
Electrical	\$1,500	\$4,200	\$16,100	\$1,600
Mechanical	\$18,900	\$8,100	\$16,800	\$14,400
Site Pavements	\$16,800			
Total	\$62,100	\$13,100	\$36,100	\$18,500
Importance Code A	\$10,200	\$2,000	\$4,000	\$2,000
Importance Code B	\$29,500	\$11,100	\$32,100	\$16,600
Importance Code C	\$22,400			
Total	\$62,100	\$13,100	\$36,100	\$18,500



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 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	80%	Now	\$493,400	LIFE	**	5	\$42,300	1
Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Staining/Discoloring, Extent : Moderate, Area Affected : 50%								
Location : Facades								
Vegetation Growth, Extent : Moderate, Area Affected : 5%								
Location : Rear Facade								
Other Observation, Extent : N/A, Area Affected : 25%								
Location : Front Facade And Rear Facade								
Explanation : Netting On Front Facade To Prevent Falling Cement Stucco And Masonry								
Metal Panel	2%			2042	**	5-10	\$7,300	
Metal Sect. OHD	5%			2045	**	5	\$8,300	
Stucco Cement	8%	Now	\$140,400	2052	**	5	\$5,300	
Cracking/Crumbling, Extent : Severe, Area Affected : 80%								
Location : Rear And Front Facade At Parapet Level								
Windows								
Aluminum	100%			2040	**	5	\$8,200	
Parapets								
Masonry: Brick	90%	Now	\$174,200	LIFE	**	5	\$2,800	
Spalling, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Other Observation, Extent : N/A, Area Affected : 100%								
Location : Parapet Walls								
Explanation : Covered With Cement Stucco								
Pre-Cast Concrete	10%			LIFE	**	5	\$2,000	
Roof								
Roll Roofing	98%	Now	\$120,600	2034	\$201,000	5	\$26,400	
Blisters, Extent : Severe, Area Affected : 20%								
Location : Roof								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Around Roof Hatch								
Skylight, Metal/Glass	2%			2032	\$177,500	10	\$2,200	
Interior								
Floors								
Cast in Place Concrete	25%			LIFE	**	5	\$17,000	
Ceramic Tile	5%			2041	**	5	\$1,600	
Quarry Tile	5%			2037	**	5	\$2,300	
Vinyl Tile	65%	Now	\$10,900	2032	\$544,300	3	\$7,600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : Offices And Corridors								

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. 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
Interior									
Interior Walls									
	Ceramic Tile	5%	Now	\$3,000	2041	**	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	\$77,500	LIFE	**			
	Water Penetration, Extent : Severe, Area Affected : 50%								
	Location : Boiler Room								
	Masonry: Fieldstone	2%			LIFE	**			
	Plaster	10%	Now	\$2,600	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	\$200	2037	**	5	\$300	
	Broken/Missing Elements, Extent : Light, Area Affected : 5%								
	Location : First Floor								
	Embossed Metal	91%	Now	\$154,100	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								
	Paint Peeling, Extent : Moderate, Area Affected : 50%								
	Location : First Floor								
	Exposed Struc: Steel	2%			LIFE	**			
	Plaster	5%			LIFE	**	5	\$1,000	
Site Enclosure									
	Fence/Gates								
	Chain Link	100%			2052	**			
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%	Now	\$54,300	2052	**			
	Broken/Missing Elements, Extent : Severe, Area Affected : 80%								
	Location : 159th Street And Park Avenue								
On-Site Walkways									
	Cast in Place Concrete	100%	Now	\$2,900	2045	**			
	Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
	Location : Concrete Pavement Area Between The Building And Parking Lot								
Parking/Driveway									
	Asphalt	80%	Now	\$13,900	2035	**			
	Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
	Location : Parking Lot								
	Cast in Place Concrete	20%			2045	**			

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

FIRE DEPARTMENT - 057
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%			2032	\$14,700	5	\$100	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Electrical Room Basement							
		Explanation : One 200 Ampere Main Disconnect Switch							
	Raceway								
	Conduit	95%			2032	\$34,200	1		
	Conduit	5%			2052	* *	1		
	Panelboards								
	Fused Disc Sw	5%			2031	\$2,400	5		
	Molded Case Bkrs	20%			2031	\$9,700	5	\$100	
	Molded Case Bkrs	75%			2048	* *	5	\$400	
	Wiring								
	Thermoplastic	25%			2032	\$8,100	1		
	Thermoplastic	75%			2052	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2030	\$17,800	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$300	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2045	* *	1	\$6,200	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Two Automatic Transfer Switches							
	Generators								
	Diesel	100%			2041	* *	1	\$7,800	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Outside The Building							
		Explanation : One 60 Kilowatts							
	Batteries								
	Lead/Acid	100%			2026	\$2,400	5	\$700	
	Fuel Storage								
	Day Tank	100%			2048	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Generator Room Outside							
		Explanation : One 60 Gallons							
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
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%			2037	* *	10	\$9,200	
		T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%							
		Location : 1st Floor							
	Fluorescent	30%			2027	\$50,900	10	\$5,500	
		T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%							
		Location : Basement							
	Fluorescent	20%			2040	* *	10	\$3,700	
		T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%							
		Location : 2nd Floor							
Egress Lighting									
	Emergency, Service	50%			2037	* *	1		
	Exit, Service	50%			2037	* *	1		
Exterior Lighting									
	HID	20%			2032	\$18,200	10		
	No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
Energy Source								
Natural Gas	100%			2052	* *	1		
Conversion Equipment								
Steam Boiler	100%			2045	* *	1	\$19,800	
	Other Observation, Extent : Light, Area Affected : 100%							
	Location : Basement							
	Explanation : One Unit							
Distribution								
Steam Piping/Pump	100%	Now	\$7,800	2052	* *			
	Corroded, Extent : Moderate, Area Affected : 5%							
	Location : Boiler Room							
	Insul. Deteriorating, Extent : Moderate, Area Affected : 5%							
	Location : Boiler Room							
Terminal Devices								
Convactor/Radiator	80%			2037	* *	1	\$5,200	
Unit Heater - Hot Water	20%			2037	* *			
Air Conditioning								
Energy Source								
Electricity	100%			2040	* *	1		

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
EMS STATION 55 MELROSE STATION
Asset # : 13992

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning									
	Conversion Equipment								
	Split Unit	40%			2037	* *			
		Other Observation, Extent : Light, Area Affected : 40%							
		Location : Various							
		Explanation : 8 Units. R-410a							
	Window/Wall Unit	10%			2027	\$7,400	1		
	No Component	50%							
Terminal Devices									
	Fan Coil - 2 Pipe	40%			2037	* *	1	\$2,600	
		Other Observation, Extent : Light, Area Affected : 40%							
		Location : Offices							
		Explanation : 7 Units							
	No Component	60%							
Heat Rejection									
	Evaporative Condenser	40%			2037	* *	2	\$5,600	
	No Component	60%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	10%			LIFE	* *	2-5	\$1,100	
	No Component	90%							
	Exhaust Fans								
	Roof	10%			2037	* *	2	\$100	
	No Component	90%							
		Other Observation, Extent : N/A, Area Affected : 0%							
		Location : Throughout							
		Explanation : Poor Ventilation In Building							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2052	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2030	\$16,700	2		
		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%			2025	\$600	4	\$600	
	Fixtures								
	Generic	100%							
Fire Suppression									

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

FIRE DEPARTMENT - 057
EMS STATION 55 MELROSE STATION
Asset # : 13992

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Fire Suppression	Chemical System								
	Dry	100%	Now	\$6,400	2032	\$15,900	1-3	\$67,200	
		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.
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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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 28-Oct-2022 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 1723 **Lot** : 1 **BIN** : 3048341

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Electrical	\$99,500	\$50,900
Mechanical		\$168,300
Total	\$99,500	\$219,200
Importance Code B	\$99,500	\$219,200
Total	\$99,500	\$219,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$64,100		\$5,900	
Interior Architecture	\$26,400		\$200	\$500
Electrical	\$8,700	\$600	\$700	\$600
Mechanical	\$4,400	\$600	\$2,900	\$600
Site Enclosure	\$41,000			
Site Pavements	\$72,000			
Total	\$216,600	\$1,200	\$9,700	\$1,700
Importance Code A	\$64,400	\$300	\$6,200	\$300
Importance Code B	\$55,800	\$900	\$3,600	\$1,100
Importance Code C	\$96,400			\$300
Total	\$216,600	\$1,200	\$9,700	\$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
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	\$35,200	
	Metal Sect. OHD	15%			2047	**	5	\$11,800	
	Pre-Cast Concrete	15%			LIFE	**	5	\$24,500	
Windows									
	Aluminum	100%	Now	\$4,300	2050	**	5	\$900	
Other Observation, Extent : Severe, Area Affected : 50%									
Location : Kitchen, Dining Area									
Explanation : No Operable Windows For Ventilation And Exhaust									
Parapets									
	Masonry: Brick	70%			LIFE	**	5-10	\$8,900	
	Pre-Cast Concrete	30%			LIFE	**	5	\$7,000	
Roof									
	Single Ply Membrane	100%			2042	**	10	\$8,500	
Recent Repair Evident, Extent : N/A, Area Affected : 100%									
Location : Roof									
Soffits									
	Metal/Glass Curt Wall	100%	2-4	\$18,800	LIFE	**	5	\$1,900	
Corrosion/Rusting, Extent : Moderate, Area Affected : 35%									
Location : Throughout									
Interior									
Floors									
	Cast in Place Concrete	75%			LIFE	**	5	\$29,500	
Paint Peeling, Extent : Moderate, Area Affected : 40%									
Location : Various Locations Throughout									
	Ceramic Tile	5%			2043	**	5	\$500	
	Vinyl Tile	20%			2039	**	3	\$700	
Interior Walls									
	Ceramic Tile	5%			2043	**	5	\$600	
	Concrete Masonry Unit	70%			LIFE	**	5	\$6,900	
	Gypsum Board	25%			LIFE	**	5-10	\$5,200	
Ceilings									
	AcousTileSusp.Lay-In	25%	Now	\$1,800	2047	**	5	\$1,100	
Staining/Discoloring, Extent : Light, Area Affected : 10%									
Location : Throughout									
	Embossed Metal	75%			LIFE	**	5	\$6,100	
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
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%	0-2	\$7,300	2054		* *		
	Corrosion/Rusting, Extent : Moderate, Area Affected : 20%							
	Location : Throughout							
Iron Picket	40%	Now	\$21,200	2069		* *		
	Corrosion/Rusting, Extent : Moderate, Area Affected : 10%							
	Location : Throughout							
	Deteriorated Finish, Extent : Severe, Area Affected : 50%							
	Location : Throughout							
	Other Observation, Extent : Severe, Area Affected : 20%							
	Location : Rear Fence							
	Explanation : Sliding Gate Is Inoperable							
Free Standing Walls								
Cast in Place Concrete	100%	Now	\$12,500	2069		* *		
	Cracking/Crumbling, Extent : Severe, Area Affected : 20%							
	Location : Street Side Of Rear Yard							
Retaining Walls								
Cast in Place Concrete	100%			2069		* *		
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	2-4	\$23,500	2039		* *		
	Cracking/Crumbling, Extent : Moderate, Area Affected : 15%							
	Location : West Sidewalk							
Parking/Driveway								
Asphalt	80%	Now	\$47,000	2043		* *		
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
	Location : Parking Lot At Rear Of Building							
Cast in Place Concrete	20%	2-4	\$1,600	2047		* *		
	Cracking/Crumbling, Extent : Moderate, Area Affected : 20%							
	Location : West Driveway							

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Under 600 Volts								
Service Equipment								
Fused Disc Sw		100%			2044	* *	5	
Other Observation, Extent : N/A, Area Affected : 100%								
Location : Electrical Room								
Explanation : One 400 Ampere Service Switch								
Raceway								
Conduit		100%			2044	* *	1	
Panelboards								
Fused Disc Sw		5%			2042	* *	5	
Molded Case Bkrs		95%			2042	* *	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%			2044	**	1		
Motor Controllers	Locally Mounted	10%	4+	\$200	2039	**	5		
		Corroded, Extent : Light, Area Affected : 100%							
		Location : 1st Floor							
	Motor Control Center	90%			2039	**	5	\$100	
Ground									
Grounding Devices	Generic	100%			LIFE	**	5	\$200	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Mechanical Room							
		Explanation : Copper Clamp Type Hub Connection							
Stand-by Power									
Transfer Switches	Automatic	100%			2039	**	1	\$1,900	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Electrical Room							
		Explanation : 104 Ampere Switch							
Generators	Diesel	100%	Now	\$99,500	2049	**	1	\$2,100	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Outside On Lower Roof							
		Explanation : Generator Failed, It Is Not Operational. It Is A 70 Kilovolt Ampere Generator.							
Batteries	Lead/Acid	100%			2025	\$2,400	5	\$200	
Fuel Storage	Day Tank	50%			2042	**	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Outside On Lower Roof							
		Explanation : 56 Gallon							
	Main Tank	50%			2049	**	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Underground							
		Explanation : 2,500 Gallon Tank Shared With Apparatus Fuel Station							
Lighting									
Interior Lighting	Fluorescent	100%			2029	\$50,900	10	\$5,500	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Throughout							
Egress Lighting	Emergency, Service	50%			2034	\$1,800	1		
	Exit, Service	50%			2034	\$1,300	1		
		Other Observation, Extent : N/A, 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	10%			2034	\$2,700	10		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Outside Perimeter							
		Explanation : Operated Via Timer							
	No Component	90%							
Alarm									
	Security System								
	Generic	100%			2034	\$11,000	1	\$2,200	
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%			2054	* *	1		
	Conversion Equipment								
	Furnace	70%			2034	\$12,800	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%			2039	* *	1	\$600	
	Radiant Heater	10%			2034	\$15,300	2	\$300	
		Other Observation, Extent : N/A, Area Affected : 10%							
		Location : One Is In The Hallway And One Is In The Meter Room							
		Explanation : 2 Units							
	Controls								
	Digital	100%			2029	\$168,300			
Air Conditioning									
	Energy Source								
	Electricity	100%			2050	* *	1		
	Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	30%			2039	* *	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	\$9,800	
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$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 57 BEDFORD STUYVESANT STATION
Asset # : 13999

Mechanical		Current Repair		Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
	Exhaust Fans							
	Roof	100%		2039	* *	2	\$200	
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%		2054	* *	1		
	Water Heater With Tanks							
	Electric	100%		2032	\$23,100	4		
	Sanitary Piping							
	Cast Iron	100%		LIFE	* *	1		
	Storm Drain Piping							
	Cast Iron	100%		LIFE	* *	1		
	Backflow Preventer							
	No Component	50%						
	Generic	50%		2039	* *	1	\$200	
	Fixtures							
	Generic	100%						
Fire Suppression								
	Sprinkler							
	Generic	100%		2054	* *	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : EMS STATION 58 EAST 83RD STREET STATION
Address : 420 EAST 83RD ST. @ PRESTON CT.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSEMS.058 / 14000 **Yr Built/Renovated** :
Area Sq Ft : 25,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Mar-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,Mez
Block : 1562 **Lot** : 36 **BIN** : 1050434

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$177,400	\$796,800
Interior Architecture	\$226,300	\$326,300
Mechanical		\$38,000
Total	\$403,700	\$1,161,000
Importance Code A	\$177,400	\$834,700
Importance Code B	\$226,300	\$326,300
Total	\$403,700	\$1,161,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$67,200		\$8,300	
Interior Architecture	\$79,900		\$9,700	\$2,100
Electrical	\$5,300	\$2,000	\$2,400	\$2,000
Mechanical	\$8,100	\$2,200	\$13,100	\$2,200
Site Pavements	\$4,100			
Total	\$164,600	\$4,200	\$33,600	\$6,400
Importance Code A	\$68,500	\$1,200	\$9,600	\$1,200
Importance Code B	\$64,500	\$3,000	\$24,000	\$5,100
Importance Code C	\$31,600			
Total	\$164,600	\$4,200	\$33,600	\$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
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	\$31,200	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%			2030	\$796,800	5	\$23,900	
	Metal Coiling Doors	15%			2049	* *	5	\$14,300	
Windows									
	Aluminum	100%	Now	\$24,100	2057	* *	5	\$300	
	Air Infiltration, Extent : Moderate, Area Affected : 50%								
	Location : Throughout								
	Broken/Missing Elements, Extent : Light, Area Affected : 15%								
	Location : Throughout								
	Hardware Missing, Extent : Moderate, Area Affected : 15%								
	Location : Throughout								
	Unit Inoperable, Extent : Severe, Area Affected : 15%								
	Location : Mezzanine Offices								
Parapets									
	Metal Panel	100%			2052	* *	5	\$16,700	
Roof									
	Modified Bitumen	100%	4+	\$177,400	2037	* *			
	Ponding, Extent : Moderate, Area Affected : 50%								
	Location : Eastern Half Of Roof								
	Recent Replace Evident, Extent : N/A, Area Affected : 35%								
	Location : Western Third Of Roof								

Interior

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

FIRE DEPARTMENT - 057
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	\$222,200	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	\$4,000	LIFE	* *	5	\$5,300		
Worn/Eroded, Extent : Moderate, Area Affected : 50%									
Location : Male And Female Locker Rooms									
Ceramic Tile	5%	Now	\$6,700	2035	* *	5	\$1,200		
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%									
Location : Toilet Rooms And Corridors									
Vinyl Tile	20%	Now	\$13,100	2032	\$262,500	3	\$3,600		
Worn/Eroded, Extent : Moderate, Area Affected : 25%									
Location : Throughout First Floor Offices, Corridors									
Vinyl Tile 9" X 9"	15%	Now	\$28,500	2042	* *	3	\$2,700		
Broken/Missing Elements, Extent : Severe, Area Affected : 25%									
Location : Throughout 1st Floor Gymnasium, Kitchen, Breakroom, Captain Locker Room									
Worn/Eroded, Extent : Moderate, Area Affected : 100%									
Location : Gymnasium, Kitchen, Breakroom And Locker Rooms									
Interior Walls									
Ceramic Tile	5%	Now	\$6,300	2035	* *	5	\$600		
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%									
Location : Toilet Rooms And Base Of Corridor Walls									
Other Observation, Extent : Severe, Area Affected : 10%									
Location : Mens Locker Room Sink Wall									
Explanation : Base Of Wall Rotted Through, Wall Detached From Floor									
Concrete Masonry Unit	40%	Now	\$17,300	LIFE	* *	5	\$3,800		
Diagonal Cracks, Extent : Severe, Area Affected : 15%									
Location : Storage Mezzanine									
Gypsum Board	50%	Now	\$8,000	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									
Other Observation, Extent : Severe, Area Affected : 10%									
Location : Mens Locker Room Sink Wall									
Explanation : Base Of Wall Rotted Through, Wall Detached From Floor									
Wood	5%			LIFE	* *	5	\$4,700		

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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								
Ceilings								
AcousTileSusp.Lay-In	40%			2052	* *	5	\$19,500	
Other Observation, Extent : N/A, Area Affected : 100%								
Location : First Floor And Mezzanine Offices								
Explanation : Under Construction								
Exposed Struc: Steel	60%			LIFE	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	0-2	\$4,100	2045	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Corner Of Block								
Electrical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2042	* *	5	\$100	
Other Observation, Extent : N/A, Area Affected : 100%								
Location : Electrical Room								
Explanation : Two Main Service Disconnect Switches Rated At 400 Amperes Each.								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2042	* *	5	\$700	
Raceway								
Conduit	100%			2042	* *	1		
Panelboards								
Molded Case Bkrs	100%			2040	* *	5	\$700	
Wiring								
Thermoplastic	100%			2042	* *	1		
Motor Controllers								
Locally Mounted	100%			2030	\$17,800	5	\$200	
Ground								
Grounding Devices								
Not Accessible	100%							
Stand-by Power								
Transfer Switches								
Automatic	100%			2037	* *	1	\$7,700	
Generators								
Diesel	100%			2035	* *	1	\$9,700	
Other Observation, Extent : N/A, Area Affected : 100%								
Location : Generator Room								
Explanation : Emergency Generator Rated At 150 Kilowatts.								
Batteries								
Lead/Acid	100%			2025	\$2,400	5	\$900	

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

Electrical		Current Repair		Future Replacement		Maintenance			
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	5%			2040	* *	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Generator Room							
		Explanation : 30 Gallons Rated Capacity							
	Underground Storage	95%			LIFE	* *	5		
Lighting									
	Interior Lighting								
	Fluorescent	20%			2032	\$42,400	10	\$4,600	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Offices							
		Explanation : T-8 Lamps							
	LED	80%			2040	* *			
	Egress Lighting								
	Emergency, Service	50%			2032	\$7,500	1		
	Exit, Service	50%			2032	\$5,300	1		
	Exterior Lighting								
	LED	30%			2040	* *			
	No Component	70%							
Alarm									
	Security System								
	No Component	70%							
	Generic	30%			2032	\$13,800	1	\$2,800	
		Other Observation, Extent : N/A, 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%			2052	* *	1		
	Conversion Equipment								
	Furnace	50%			2032	\$38,000	1	\$6,200	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Garage Area							
		Explanation : 4 Modine Furnaces							
	Furnace	50%			2037	* *	1	\$6,200	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Roof							
		Explanation : 4 Gas Fired Rooftop Packaged Units							
Air Conditioning									
	Energy Source								
	Electricity	100%			2048	* *	1		

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

FIRE DEPARTMENT - 057
EMS STATION 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
Air Conditioning									
	Conversion Equipment								
	Exterior Pkg Unit - Cooling	40%			2037	* *	2	\$600	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Roof							
		Explanation : 4 Rooftop Package Units. R-410a							
	Window/Wall Unit	10%			2027	\$9,300	1		
	No Component	50%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	60%			LIFE	* *	2-5	\$8,400	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Garage							
		Explanation : Flat Canvas Duct System							
	Ductwork/Diffusers	40%			LIFE	* *	2-5	\$5,600	
Exhaust Fans									
	Interior	25%			2032	\$27,100	2	\$200	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : 83rd Street Side							
		Explanation : Serves Garage Only							
	Roof	75%			2037	* *	2	\$600	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2042	* *	1		
	Water Heater With Tanks								
	Electric	100%			2031	\$23,100	4		
	Sanitary Piping								
	Cast Iron	100%	0-2	\$6,200	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 10%							
		Location : Wash Bay							
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Fixtures								
	Generic	100%							
Fire Suppression									
	Sprinkler								
	Generic	100%			2042	* *	1-2	\$7,000	

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 19-Dec-2022 **Landmark Status** : NONE
Areas Surveyed : Floors 1,2
Block : 962 **Lot** : 100 **BIN** : 1087242

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$50,000		\$7,400	
Interior Architecture	\$38,100		\$1,900	\$1,400
Electrical	\$300	\$200	\$200	\$200
Mechanical	\$3,200	\$500	\$1,700	\$300
Site Pavements	\$1,700			
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$97,200	\$4,700	\$15,200	\$6,000
Importance Code A	\$50,000		\$7,400	
Importance Code B	\$28,100	\$4,700	\$7,800	\$5,000
Importance Code C	\$19,100			\$900
Total	\$97,200	\$4,700	\$15,200	\$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.

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%			2047	**	5	\$14,800	
	Granite Panels	20%			LIFE	**	5	\$7,100	
	Pre-Cast Concrete	60%			LIFE	**	5	\$92,400	
Windows									
	Aluminum	100%			2050	**	5	\$500	
Soffits									
	Metal Panel	100%			2054	**	5-10		
Interior									
Floors									
	Cast in Place Concrete	45%	Now	\$6,900	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	\$1,000	2043	**	5	\$500	
	Broken/Missing Elements, Extent : Light, Area Affected : 1%								
	Location : 2nd Floor Shower								
	Vinyl Tile	45%	Now	\$2,200	2039	**	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	**	10	\$4,500	
	Ceramic Tile	10%			2043	**	5	\$1,800	
	Concrete Masonry Unit	35%	4+	\$11,700	LIFE	**	5	\$2,500	
	Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%								
	Location : 1st Floor Stair Landing								
	Gypsum Board	45%	4+	\$2,200	LIFE	**	5	\$4,900	
	Cracking/Crumbling, Extent : Light, Area Affected : 5%								
	Location : 2nd Floor Crew Area								
Ceilings									
	AcousTileSusp.Lay-In	45%			2047	**	5	\$3,800	
	Exposed Struc: Steel	40%			LIFE	**	10	\$6,700	
	Gypsum Board	15%			LIFE	**	5-10	\$4,300	
Site Enclosure									
Fence/Gates									
	Aluminum Picket	100%			2054	**			
Retaining Walls									
	Cast in Place Concrete	100%			2069	**			
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 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+	\$1,000	2047		* *			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 5%</i>									
<i>Location : Along East 26th Street</i>									

On-Site Walkways

Cast in Place Concrete	100%			2047		* *			
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Parking/Driveway

Cast in Place Concrete	100%	4+	\$700	2047		* *			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Vehicle Entrance</i>									

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

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2054		* *	5	\$200	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : 2nd Floor Electrical Room</i>									
<i>Explanation : 250 Ampere Main Service Switch</i>									

Transformers

Dry Type	100%			2047		* *	5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : 2nd Floor Electrical Room</i>									
<i>Explanation : One Transformer 75 Kilovolt Amperes 480 Volt /120 Volt</i>									

Switchgear / Switchboard

Molded Case Bkrs	100%			2054		* *	5	\$200	
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Raceway

Conduit	100%			2054		* *	1		
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Panelboards

Fused Disc Sw	20%			2050		* *	5		
Molded Case Bkrs	80%			2050		* *	5	\$100	

Wiring

Thermoplastic	100%			2054		* *	1		
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Lighting

Interior Lighting

Fluorescent	75%			2039		* *	10	\$4,200	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>									
<i>Location : Throughout The Building</i>									

LED	25%			2042		* *			
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Egress Lighting

Emergency, Battery	50%			2039		* *	10	\$700	
Exit, Battery	50%			2039		* *	10	\$200	

Exterior Lighting

HID	20%			2039		* *	10		
No Component	80%								

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FIRE DEPARTMENT - 057
EMS STATION 8 KIPS BAY
Asset # : 14778

Electrical	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
Generic

100%
2034 \$11,300 1 \$2,300
Other Observation, Extent : Moderate, Area Affected : 100%
Location : Exterior Only
Explanation : Cameras Security 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

Distribution

Hot Wtr Piping/Pump 100% 2050 * * 4 \$500

Terminal Devices

Convector/Radiator 60% 2047 * * 1 \$1,200
 Unit Heater - Hot Water 40% 2039 * *

Air Conditioning

Energy Source

Electricity 100% 2050 * * 1

Conversion Equipment

Split Unit 30% 2039 * *
 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 \$5,000
 No Component 50%

Ventilation

Distribution

Ductwork/Diffusers 100% LIFE * * 2-5 \$5,400

Plumbing

H/C Water Piping

Brass/Copper 100% 2054 * * 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

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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)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Fire Suppression	Sprinkler							
	Generic	100%		2054	* *	1-2	\$1,700	
		<i>Dry System, Extent : Light, Area Affected : 50%</i>						
		<i>Location : Garage</i>						

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENG CO 264, 328/ LAD CO 134
Address : 1617 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 : 30-Aug-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 15559 **Lot** : 25 **BIN** : 4298240

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$543,400	
Electrical		\$88,700
Mechanical		\$187,100
Site Pavements	\$88,200	
Total	\$631,700	\$275,800
Importance Code B	\$447,800	\$275,800
Importance Code C	\$183,800	
Total	\$631,700	\$275,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$56,500		\$11,200	
Interior Architecture	\$69,800			\$400
Electrical	\$2,700	\$1,000	\$1,100	\$1,100
Mechanical	\$13,800	\$5,100	\$5,300	\$9,000
Site Pavements	\$42,500			
Total	\$185,400	\$6,100	\$17,600	\$10,500
Importance Code A	\$57,900	\$1,400	\$12,600	\$1,400
Importance Code B	\$54,700	\$4,700	\$5,000	\$9,100
Importance Code C	\$72,800			
Total	\$185,400	\$6,100	\$17,600	\$10,500



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

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

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

FIRE DEPARTMENT - 057
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%	Now	\$10,800	LIFE	**	5	\$2,700	
		Water Penetration, Extent : Moderate, Area Affected : 5%							
		Location : East Wall Of Engine Company 328							
	Masonry: Granite	5%			LIFE	**	5	\$1,300	
		Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%							
		Location : Front Facade							
		Staining/Discoloring, Extent : Light, Area Affected : 2%							
		Location : Facade Base; Front Facade.							
	Masonry: Limestone	15%	0-2	\$4,100	LIFE	**	5	\$2,000	
		Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%							
		Location : Throughout							
		Caulking Deteriorated, Extent : Moderate, Area Affected : 15%							
		Location : Throughout							
		Staining/Discoloring, Extent : Light, Area Affected : 10%							
		Location : Throughout Cornice And Front Facade							
	Stucco Cement	50%			2047	**	5	\$22,500	
	Wood Overhead Doors	15%			2039	**	5	\$13,500	
Windows									
	Aluminum	100%	Now	\$400	2050	**	5	\$200	
		Crwtw/Balnc Not Funct, Extent : Light, Area Affected : 2%							
		Location : Truck 134 Locker Room							
Parapets									
	Masonry: Brick	75%	0-2	\$4,100	LIFE	**	5	\$700	
		Diagonal Cracks, Extent : Moderate, Area Affected : 2%							
		Location : Front Corner Above Parking Area							
	Masonry: Limestone	10%			LIFE	**	5-10	\$1,100	
		Staining/Discoloring, Extent : Light, Area Affected : 20%							
		Location : Coping On Main Roof							
	Stucco Cement	15%	2-4	\$400	2039	**	5	\$200	
		Cracking/Crumbling, Extent : Light, Area Affected : 5%							
		Location : Third Floor Roof							
Roof									
	Built-Up (BUR)	100%	Now	\$35,000	2039	**			
		Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%							
		Location : Various Locations On Third Floor Roof							
		Patching Evident, Extent : Moderate, Area Affected : 10%							
		Location : Various Locations							
		Water Penetration, Extent : Light, Area Affected : 5%							
		Location : Third Floor Laundry Room							

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 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	\$26,000	LIFE	* *	5	\$34,200	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 5%							
		Location : Throughout All Floors							
	Ceramic Tile	5%	0-2	\$1,100	2037	* *	5	\$500	
		Worn/Eroded, Extent : Light, Area Affected : 10%							
		Location : Toilets Throughout							
	Quarry Tile	5%			2039	* *	5	\$1,600	
		Worn/Eroded, Extent : Light, Area Affected : 10%							
		Location : Kitchen							
	Vinyl Tile	15%	Now	\$1,700	2039	* *	3	\$1,200	
		Broken/Missing Elements, Extent : Moderate, Area Affected : 10%							
		Location : 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	\$1,000	2037	* *	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	\$3,700	LIFE	* *	5	\$1,600	
		Paint Peeling, Extent : Light, Area Affected : 5%							
		Location : Various Locations Throughout							
		Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 10%							
		Location : Throughout							
	Masonry: Brick	15%	Now	\$10,000	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							
		Vertical Cracks, Extent : Light, Area Affected : 2%							
		Location : Stair Wall At Engine 328							
	Plaster	45%	Now	\$95,600	LIFE	* *	5	\$2,400	
		Cracking/Crumbling, Extent : Severe, Area Affected : 25%							
		Location : Throughout							
		Paint Peeling, Extent : Moderate, Area Affected : 40%							
		Location : Throughout							
		Water Penetration, Extent : Severe, Area Affected : 25%							
		Location : Throughout							
	SGFT/Glazed Masonry	20%	Now	\$15,700	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	\$186,400	2054	* *	5	\$5,700	
		Broken/Missing Elements, Extent : Severe, Area Affected : 50%							
		Location : Throughout							
		Misaligned/Bulging, Extent : Moderate, Area Affected : 25%							
		Location : Throughout							
		Staining/Discoloring, Extent : Moderate, Area Affected : 50%							
		Location : Throughout							
	Exposed Struc: Concrete	15%	Now	\$137,400	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 : 30%							
		Location : Throughout Basement							
		Explanation : Supplemental Supports In Place							
	Gypsum Board	10%	0-2	\$10,700	LIFE	* *	5	\$2,600	
		Worn/Eroded, Extent : Moderate, Area Affected : 50%							
		Location : Toilets And Showers							
		Other Observation, Extent : Light, Area Affected : 10%							
		Location : Toilets And Showers							
		Explanation : Paint Peeling							
	Plaster	20%	Now	\$124,000	LIFE	* *	5	\$2,600	
		Cracking/Crumbling, Extent : Severe, Area Affected : 40%							
		Location : Various Locations							
		Paint Peeling, Extent : Light, Area Affected : 75%							
		Location : Various Locations							
		Staining/Discoloring, Extent : Light, Area Affected : 40%							
		Location : Various Locations							
		Water Penetration, Extent : Severe, Area Affected : 25%							
		Location : Various Locations							
Site Enclosure									
	Fence/Gates								
	Iron Picket	100%			2084	* *			
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Throughout							
		Explanation : Recent Installation							
Retaining Walls									
	Cast in Place Concrete	100%			2084	* *			
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Throughout							
		Explanation : Recent Installation							
Site Pavements									

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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

Public Sidewalk

Cast in Place Concrete	100%			2047		**			
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On-Site Walkways

Cast in Place Concrete	100%	Now	\$88,200	2047		**			
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Cracking/Crumbling, Extent : Moderate, Area Affected : 15%

Location : Side Yard Steps And Walkway

Parking/Driveway

Asphalt	100%	Now	\$42,500	2043		**			
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Cracking/Crumbling, Extent : Severe, Area Affected : 50%

Location : Throughout

Ponding, Extent : Severe, Area Affected : 20%

Location : Throughout

Sinking/Subsiding, Extent : Severe, Area Affected : 20%

Location : Throughout

Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% 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	
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : Main Disconnect Switch Rated At 400 Amperes

Switchgear / Switchboard

Molded Case Bkrs	100%			2054		**	5	\$400	
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Raceway

Conduit	100%			2044		**	1		
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Panelboards

Molded Case Bkrs	80%			2033	\$38,800		5	\$300	
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Molded Case Bkrs	20%			2042	**		5	\$100	
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Wiring

Thermoplastic	70%			2044	**		1		
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Thermoplastic	30%			2054	**		1		
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Motor Controllers

Locally Mounted	100%			2032	\$17,800		5	\$100	
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Ground

Grounding Devices

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

Transfer Switches

Automatic	100%			2047	**		1	\$4,300	
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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
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%			2043	* *	1	\$5,400	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Parking Lot									
Explanation : One 75 Kilowatts Capacity									
Batteries									
	Nickel Cadmium	100%			2029	\$2,400	5	\$3,100	
Fuel Storage									
	Day Tank	25%			2050	* *	5		
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Under Generator									
Explanation : One 125 Gallons									
	Main Tank	75%			2062	* *	5		
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Basement									
Explanation : 550 Gallon Capacity									
Lighting									
Interior Lighting									
	Fluorescent	75%			2034	\$88,700	10	\$9,600	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%									
Location : Throughout The Building									
	LED	25%			2039	* *			
Egress Lighting									
	Emergency, Service	40%			2034	\$3,400	1		
	Emergency, Battery	10%			2039	* *	10	\$300	
	Exit, Battery	50%			2039	* *	10	\$500	
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%			2054	* *	1		
Conversion Equipment									
	Steam Boiler	100%			2039	* *	1	\$13,800	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Basement									
Explanation : 1 Unit									
Distribution									
	Steam Piping/Pump	100%			2044	* *			
Other Observation, Extent : N/A, Area Affected : 100%									
Location : 2nd Floor									
Explanation : One Thermostat For The Whole Building									

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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									
	Terminal Devices								
	Convactor/Radiator	100%			2032	\$111,400	1	\$4,500	
	Controls								
	Electrical	100%			2029	\$75,700			
Air Conditioning									
	Energy Source								
	Electricity	70%			2042	**	1		
	No Component	30%							
	Conversion Equipment								
	Split Unit	20%			2039	**			
	<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
	<i>Location : Lower Roof And Basement</i>								
	<i>Explanation : 6 Units, R-410a On Lower Roof</i>								
	<i>1 Unit In The Basement</i>								
	Window/Wall Unit	50%			2029	\$25,800	1		
	No Component	30%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	10%			LIFE	**	2-5	\$1,200	
	No Component	90%							
	Exhaust Fans								
	Interior	10%	Now	\$1,200	2029	\$6,000	2		
	<i>Broken, Extent : Severe, Area Affected : 20%</i>								
	<i>Location : 2nd Floor Mens Bathroom</i>								
	Roof	10%			2039	**	2		
	Wall Unit	30%	0-2	\$1,800	2044	**	2	\$100	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
	<i>Location : 1st Floor</i>								
	<i>Explanation : 2 Old Units, Extended Life Time. Serves Engine Bays Only</i>								
	No Component	50%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	3%	0-2	\$100	2054	**	1		
	<i>Not Insulated, Extent : Light, Area Affected : 10%</i>								
	<i>Location : Near Water Main Valve, Basement</i>								
	Brass/Copper	97%			2044	**	1		
	Water Heater With Tanks								
	Gas Fired	100%			2032	\$33,400	2		
	<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
	<i>Location : Basement</i>								
	<i>Explanation : Two 75 Gallon Units</i>								
	Sanitary Piping								
	Cast Iron	2%	4+	\$700	LIFE	**	1		
	<i>Corroded, Extent : Light, Area Affected : 100%</i>								
	<i>Location : Front Of Basement</i>								
	Cast Iron	98%			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
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									
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%			2025	\$400	4	\$400	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2029	\$9,600	1-3	\$48,500	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Kitchen							
		Explanation : 12 Square Foot 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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENG CO. 201/ LAD CO. 114/BAT 40
Address : 5113 4th AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.201 / 13098 **Yr Built/Renovated** : 2009 /
Area Sq Ft : 17,800 **Project Type** : FIRE DEPARTMENT
Date of Survey : 25-Jun-2019 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 799 **Lot** : 5 **BIN** : 3013535

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Mechanical	\$67,700	
Total	\$67,700	
Importance Code B	\$67,700	
Total	\$67,700	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$21,800	\$2,900	\$4,200	
Interior Architecture	\$12,600			
Electrical	\$4,000	\$2,100	\$1,500	\$1,200
Mechanical	\$51,500	\$3,000	\$9,800	\$2,900
Site Pavements				
Total	\$89,900	\$8,000	\$15,500	\$4,200
Importance Code A	\$25,000	\$3,800	\$5,000	\$900
Importance Code B	\$62,300	\$4,300	\$10,400	\$3,300
Importance Code C	\$2,700			
Total	\$89,900	\$8,000	\$15,500	\$4,200



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

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

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

FIRE DEPARTMENT - 057
ENG CO. 201/ LAD CO. 114/BAT 40
Asset # : 13098

Architecture		Current Repair			Future Replacement		Maintenance		
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	\$600	
	Masonry: Brick	90%			LIFE	**	5	\$700	
Roof									
	Modified Bitumen	95%	Now	\$1,000	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+	\$2,500	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	\$400	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	**			
	Concrete Masonry Unit	10%	2-4	\$1,300	LIFE	**	5	\$300	
		Water Penetration, Extent : Light, Area Affected : 2%							
		Location : Basement Entry Stairs, Both Sides.							
	Gypsum Board	75%	Now	\$1,400	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	\$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
ENG CO. 201/ LAD CO. 114/BAT 40
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+ \$700 2044 * * 5 \$1,100

Water Penetration, Extent : Moderate, Area Affected : 5%

Location : Laundry Room

Embossed Metal 30% LIFE * * 5 \$700

Exposed Struc: Steel 10% 4+ \$5,800 LIFE * *

Corrosion/Rusting, Extent : Severe, Area Affected : 10%

Location : Basement

Gypsum Board 10% 0-2 \$400 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 \$2,200

Site Pavements

Public Sidewalk

Cast in Place Concrete 100% 2044 * *

On-Site Walkways

Pavers/Stone 100% 2-4 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

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
ENG CO. 201/ LAD CO. 114/BAT 40
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	\$300	
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	\$2,400	5	\$700	
	Fuel Storage								
	Day Tank	50%			2047	* *	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : 25 Gallon								
	Main Tank	50%			2059	* *	5		
	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		

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

FIRE DEPARTMENT - 057
ENG CO. 201/ LAD CO. 114/BAT 40
Asset # : 13098

Mechanical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Conversion Equipment								
	Furnace	50%	Now	\$2,700	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									
	Convactor/Radiator	95%			2044	**	1	\$5,500	
	Fan Coil Unit/Heat	5%			2031	\$21,600	1	\$300	
Air Conditioning									
	Energy Source								
	Electricity	100%			2053	**	1		
	Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	95%	Now	\$13,900	2036	**	2	\$800	
		R-22 Refrigerant, Extent : Light, Area Affected : 100%							
		Location : Roof							
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Rooftop Units							
		Explanation : Ongoing Control Issues, Three 410 Ampere Units							
	Split Unit	5%	Now	\$20,600	2041	**			
		Broken, Extent : Severe, Area Affected : 5%							
		Location : Roof							
Distribution									
	Ductwork/Diffusers	70%	Now	\$10,700	LIFE	**	2	\$16,200	
		Needs Cleaning, Extent : Moderate, Area Affected : 100%							
		Location : Throughout							
	Ductwork/Diffusers	30%			LIFE	**	2	\$6,900	
Dehumidifier									
	Generic	100%	Now	\$67,700	2036	**			
		Other Observation, Extent : Severe, Area Affected : 100%							
		Location : Basement							
		Explanation : Broken							
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$9,900	
Exhaust Fans									
	Roof	100%			2036	**	2	\$500	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2051	**	1		

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

FIRE DEPARTMENT - 057
ENG CO. 201/ LAD CO. 114/BAT 40
Asset # : 13098

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	Water Heater With Tanks								
	Gas Fired	100%	Now	\$300	2029	\$16,700	2		
				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	\$1,200	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	\$1,600	1-3	\$7,400	

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 02-Nov-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Floors 1
Block : 134 **Lot** : 6 **BIN** : 3000252

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$667,400	
Electrical		\$74,300
Mechanical		\$490,600
Total	\$667,400	\$565,000
Importance Code A	\$667,400	\$55,700
Importance Code B		\$509,300
Total	\$667,400	\$565,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$39,300		\$3,400	
Interior Architecture	\$84,300		\$3,100	\$2,700
Electrical	\$8,300		\$100	\$100
Mechanical	\$11,500	\$1,700	\$6,100	\$1,200
Total	\$143,300	\$1,700	\$12,700	\$4,000
Importance Code A	\$39,600	\$200	\$3,800	\$200
Importance Code B	\$81,500	\$1,500	\$8,900	\$2,700
Importance Code C	\$22,200			\$1,100
Total	\$143,300	\$1,700	\$12,700	\$4,000



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

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

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

FIRE DEPARTMENT - 057
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	\$198,000	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%			2047	**	5	\$6,400	
Granite Panels	30%	Now	\$148,000	LIFE	**	5	\$4,600	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 30%								
Location : Throughout								
Windows								
Aluminum	50%	Now	\$5,700	2050	**	5	\$200	
Unit Inoperable, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Aluminum	50%			2042	**	5	\$400	
Parapets								
Masonry: Brick	80%			LIFE	**	5-10	\$32,200	
Metal Cornice	5%			2062	**	10	\$900	
Metal Rail	5%	Now	\$1,900	2047	**	5	\$2,100	
Broken/Missing Elements, Extent : Severe, Area Affected : 15%								
Location : Section Of Railing Missing Along Front Of Building								
Loose/Miss Fasteners, Extent : Light, Area Affected : 15%								
Location : Front Facade								
Granite Panels	10%	Now	\$4,200	LIFE	**	5	\$600	
Caulking Deteriorated, Extent : Severe, Area Affected : 100%								
Location : Caulking At Granite Capstones Failed								
Roof								
Modified Bitumen	100%	0-2	\$321,400	2044	**			1
Alligatoring, Extent : Light, Area Affected : 25%								
Location : Asphalt Joints Throughout.								
Blisters, Extent : Moderate, Area Affected : 50%								
Location : Roof Membrane Delaminate From Substrate Throughout								
Broken/Missing Elements, Extent : Severe, Area Affected : 75%								
Location : Roofing Termination Delaminated At Parapets Throughout								
Interior								
Floors								
Cast in Place Concrete	35%	Now	\$46,700	LIFE	**	5	\$24,600	
Horizontal Cracks, Extent : Light, Area Affected : 15%								
Location : Apparatus Floor And Stair Shaft Landings.								
Paint Peeling, Extent : Severe, Area Affected : 50%								
Location : Gymnasium Basketball Court								
Ceramic Tile	10%			2043	**	5	\$3,200	
Terrazzo	10%			LIFE	**	5	\$5,000	
Vinyl Tile	40%			2042	**	3	\$4,800	
Wood	5%			2062	**	5	\$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
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									
Interior Walls									
Ceramic Tile	10%			2043	**	5	\$2,100		
Concrete Masonry Unit	5%	Now	\$4,900	LIFE	**	5	\$400		
Diagonal Cracks, Extent : Light, Area Affected : 15%									
Location : Mechanical Penthouse.									
Gypsum Board	10%			LIFE	**	5-10	\$3,600		
Plaster	35%			LIFE	**	5-10	\$6,300		
SGFT/Glazed Masonry	25%	Now	\$9,300	LIFE	**				
Broken/Missing Elements, Extent : Light, Area Affected : 10%									
Location : Gymnasium And Apparatus Area									
SGFT/Glazed Masonry	15%			LIFE	**	10	\$1,600		
Ceilings									
AcousTileSusp.Lay-In	10%			2054	**	5	\$1,000		
Water Penetration, Extent : Severe, Area Affected : 60%									
Location : Various Locations Throughout									
Other Observation, Extent : Severe, Area Affected : 30%									
Location : Bunk Room And Office Areas									
Explanation : Evidence Of Water Leaks									
Exposed Struc: Concrete	35%			LIFE	**	5-10	\$4,500		
Plaster	55%	0-2	\$8,500	LIFE	**	5	\$3,600		
Paint Peeling, Extent : Light, Area Affected : 15%									
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%			2054	**				
Free Standing Walls									
Masonry: Brick	100%			2054	**				
Site Pavements									
Public Sidewalk									
Cast in Place Concrete	100%			2039	**				
On-Site Walkways									
Cast in Place Concrete	100%			2039	**				
Parking/Driveway									
Asphalt	100%			2037	**				

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Not Accessible		100%	Other Observation, Extent : N/A, Area Affected : 0%					
Location : Precinct 84								
Explanation : Fed From Adjacent Police House								

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

FIRE DEPARTMENT - 057
ENG. CO. 207/ BAT. 31/ DIV. 11 BKLYN BORO COMMANDER
Asset # : 13103

Electrical		Current Repair		Future 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								
	Not Accessible	100%							
	Raceway								
	Conduit	50%			2034	\$18,000	1		
	Conduit	50%			2054	* *	1		
	Panelboards								
	Molded Case Bkrs	75%			2050	* *	5	\$400	
	Molded Case Bkrs	25%			2033	\$12,100	5	\$100	
	Wiring								
	Thermoplastic	100%			2044	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2032	\$17,800	5	\$100	
Ground									
	Grounding Devices								
	Not Accessible	100%							
Lighting									
	Interior Lighting								
	Fluorescent	40%			2042	* *	10	\$8,000	
	T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
	Location : 2nd Floor Offices And Bunk Room								
	Fluorescent	40%			2029	\$74,300	10	\$8,000	
	LED	20%			2039	* *			
	Egress Lighting								
	Emergency, Service	50%			2029	\$6,600	1		
	Exit, LED	50%			2049	* *	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	25%			2064	* *	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							

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

FIRE DEPARTMENT - 057
ENG. CO. 207/ BAT. 31/ DIV. 11 BKLYN BORO COMMANDER
Asset # : 13103

Mechanical		Current 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	15%			2054	* *	1	\$1,600	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : 1st Floor							
		Explanation : Serves 2nd Floor Borough Command							
	Radiant Heater	10%			2029	\$55,700	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%			2042	* *	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%			2059	* *	4	\$200	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : 2nd Floor							
		Explanation : 2nd Floor Borough Command							
Terminal Devices									
	Air Handler	40%			2034	\$161,000	1	\$5,400	
	Convactor/Radiator	60%			2039	* *	1	\$4,200	
Air Conditioning									
	Energy Source								
	Electricity	100%			2050	* *	1		
Conversion Equipment									
	Exterior Pkg Unit - Cooling	20%			2039	* *	2	\$300	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Roof							
		Explanation : R 410a							
	Split Unit	20%			2034	\$101,600			
	Window/Wall Unit	60%			2029	\$48,600	1		
Distribution									
	Ductwork/Diffusers	40%			LIFE	* *	2	\$14,200	
	No Component	60%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$19,300	
Exhaust Fans									
	Interior	60%			2029	\$56,900	2	\$400	
	Roof	40%			2034	\$16,600	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
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
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2044	* *	1		
	Water Heater With Tanks								
	Electric	100%			2029	\$115,500	4		
				Other Observation, Extent : N/A, 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%			2044	* *	1-2	\$300	
				Other Observation, Extent : Light, Area Affected : 100%					
				Location : Gymnasium Locker Rooms And Pole Shaft					
				Explanation : Sprinkler System Is Not Connected To The Water Main					

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 02-Sep-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3,4
Block : 806 **Lot** : 66 **BIN** : 1015173

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture		\$78,600
Mechanical	\$92,000	\$184,000
Total	\$92,000	\$262,600
Importance Code A		\$78,600
Importance Code B	\$92,000	\$184,000
Total	\$92,000	\$262,600

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$55,900		\$6,600	
Interior Architecture	\$56,400			\$1,600
Electrical	\$1,100	\$800	\$800	\$800
Mechanical	\$95,000	\$1,800	\$6,500	\$1,500
Site Pavements	\$1,000			
Total	\$209,400	\$2,600	\$13,900	\$3,900
Importance Code A	\$56,500	\$600	\$7,100	\$600
Importance Code B	\$136,300	\$2,000	\$6,700	\$2,900
Importance Code C	\$16,700			\$400
Total	\$209,400	\$2,600	\$13,900	\$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. 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	\$42,000	
	Masonry: Limestone	5%			LIFE	* *	5	\$2,100	
	Metal Panel	5%	2-4	\$1,800	2054	* *	5	\$2,600	
Corrosion/Rusting, Extent : Moderate, Area Affected : 5%									
Location : Front Of Building. Main Entrance									
	Metal Sect. OHD	15%			2047	* *	5	\$13,100	
Windows									
	Aluminum	100%			2050	* *	5	\$2,900	
Parapets									
	Cast Stone/Terra Cotta	30%			LIFE	* *	5-10	\$22,100	
	Masonry: Brick	70%			LIFE	* *	5-10	\$12,400	
Roof									
	Roll Roofing	95%	Now	\$3,900	2030	\$78,600	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%			2054	* *	10	\$2,200	
Interior									
Floors									
	Cast in Place Concrete	45%	0-2	\$12,000	LIFE	* *	5	\$15,800	
Cracking/Crumbling, Extent : Light, Area Affected : 5%									
Location : Basement Boiler Area									
	Ceramic Tile	15%			2043	* *	5	\$2,400	
	Wood	40%	0-2	\$7,500	2062	* *	5	\$6,000	
Deteriorated Finish, 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. 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	* *	10	\$3,800	
Ceramic Tile	5%			2043	* *	5	\$800	
Concrete Masonry Unit	5%			LIFE	* *	5	\$600	
Gypsum Board	30%	Now	\$1,200	LIFE	* *	5	\$2,700	
Cracking/Crumbling, Extent : Light, Area Affected : 1%								
Location : Stairwell All Floors								
Masonry: Brick	5%	Now	\$2,800	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Around Fuel Fill In Basement								
Metal Panel	5%			LIFE	* *	10	\$300	
Plaster	5%			LIFE	* *	5-10	\$600	
SGFT/Glazed Masonry	25%			LIFE	* *	10	\$1,900	
Wood	10%			LIFE	* *	5	\$12,000	
Ceilings								
Exposed Struc: Steel	25%			LIFE	* *	10	\$8,000	
Gypsum Board	10%	Now	\$500	LIFE	* *	5	\$2,000	
Water Penetration, Extent : Light, Area Affected : 5%								
Location : 2nd Floor Ceiling And Skylight								
Metal Panel	10%			LIFE	* *	5	\$4,000	
Plaster	55%			LIFE	* *	5-10	\$15,200	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2044	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	0-2	\$1,000	2047	* *			
Misaligned/Bulging, Extent : Moderate, Area Affected : 2%								
Location : Sidewalk In Front Of Building								
On-Site Walkways								
Cast in Place Concrete	100%			2047	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2047	* *			

Electrical		Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Under 600 Volts									
Service Equipment									
Fused Disc Sw	100%			2054	* *	5			
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : The Switch Is Rated 400 Amperes. It Is In Good Condition.									
Raceway									
Conduit	70%			2034	\$25,200	1			
Conduit	30%			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.

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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									
Panelboards									
	Molded Case Bkrs	100%			2050	* *	5	\$300	
Wiring									
	Thermoplastic	100%			2054	* *	1		
Motor Controllers									
	Locally Mounted	100%			2047	* *	5	\$100	
Ground									
Grounding Devices									
	Generic	100%			LIFE	* *	5	\$300	
Stand-by Power									
Transfer Switches									
	Automatic	100%			2047	* *	1	\$3,500	
Lighting									
Interior Lighting									
	Fluorescent	2%			2034	\$1,900	10	\$200	
	Compact Fluorescent Light, Extent : Light, Area Affected : 100% Location : 3rd And 4th Corridors								
	HID	1%			2034	\$700	10		
	Other Observation, Extent : Light, Area Affected : 100% Location : 4th Floor Explanation : Mostly Pendant Fixtures								
	LED	97%			2039	* *			
	Other Observation, Extent : Light, Area Affected : 100% Location : Throughout The Building Explanation : Most Lighting Fixtures Were Replaced With LED Type Fixtures								
Egress Lighting									
	Emergency, Battery	75%			2034	\$13,900	10	\$2,100	
	Exit, LED	25%			2049	* *	1		
Exterior Lighting									
	LED	20%			2039	* *			
	No Component	80%							
Alarm									
Security System									
	Generic	100%			2044	* *	1	\$4,200	
	Recent Installation, Extent : N/A, Area Affected : 100% Location : Outdoor								

Mechanical		Current Repair		Future 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		

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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
Heating									
	Conversion Equipment								
	Furnace	50%			2034	\$17,200	1	\$2,800	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Roof							
		Explanation : 4 Heating / Cooling Units							
	Hot Water Boiler	50%			2039	* *	1	\$2,800	
Distribution									
	Ductwork/Diffusers	50%			LIFE	* *	2-5	\$5,000	
	Hot Wtr Piping/Pump	50%			2042	* *	4	\$400	
Terminal Devices									
	Convactor/Radiator	100%			2047	* *	1	\$3,700	
Air Conditioning									
	Energy Source								
	Electricity	100%			2050	* *	1		
	Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	99%	0-2	\$92,000	2034	\$184,000	2	\$500	
		Malfunctioning, Extent : Moderate, Area Affected : 100%							
		Location : Roof. Unit Constantly Breaks Down							
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Roof							
		Explanation : 4 Heating / Cooling Units R-22							
	Window/Wall Unit	1%			2029	\$400	1		
Distribution									
	Ductwork/Diffusers	99%			LIFE	* *	2	\$18,200	
	No Component	1%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%	0-2	\$48,600	LIFE	* *	2-5	\$6,300	
		Insul. Deteriorating, Extent : Moderate, Area Affected : 10%							
		Location : Roof							
Exhaust Fans									
	Roof	80%			2039	* *	2	\$300	
	Wall Unit	20%			2039	* *	2	\$100	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2054	* *	1		

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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

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	Water Heater With Tanks								
	Gas Fired	50%			2029	\$16,700	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : One 72 Gallon Unit							
	Gas Fired	50%			2033	\$16,700	2		
		Recent Replace Evident, Extent : N/A, 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	\$27,900	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 100%							
		Location : Basement. Sewage Constatly Backing Up							
		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	\$11,700	LIFE	* *	1		
		Cracked, Extent : Moderate, Area Affected : 50%							
		Location : Roof							
		Damaged, Extent : Moderate, Area Affected : 50%							
		Location : Roof							
	Backflow Preventer								
	Generic	100%			2039	* *	1	\$700	
	Fixtures								
	Generic	100%							
Fire	Suppression								
	Sprinkler								
	Generic	100%			2054	* *	1-2	\$3,200	
	Chemical System								
	No Component	98%							
	Generic	2%			2032	\$300	1-3	\$1,500	

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Mechanical		\$57,200
Total		\$57,200
Importance Code B		\$57,200
Total		\$57,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$38,400	\$8,500		
Interior Architecture	\$6,600	\$300		
Electrical	\$2,900	\$500	\$500	\$400
Mechanical	\$4,300	\$1,700	\$2,000	\$700
Total	\$52,200	\$11,000	\$2,400	\$1,100
Importance Code A	\$38,600	\$8,500		
Importance Code B	\$12,400	\$2,500	\$2,400	\$1,100
Importance Code C	\$1,300			
Total	\$52,200	\$11,000	\$2,400	\$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. 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	\$1,600		
Masonry: Brick	75%	4+	\$30,500	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	\$600	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	\$800	LIFE	**	5	\$700		
Broken/Missing Elements, Extent : Severe, Area Affected : 2%									
Location : Main Roof									
Masonry: Brick	70%			LIFE	**	5	\$600		
Metal Rail	20%			2044	**	5-10	\$3,300		
Roof									
Modified Bitumen	100%	2-4	\$6,500	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	\$7,500		
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	\$4,900	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	\$1,300	2040	**	5	\$600		
Broken/Missing Elements, Extent : Severe, Area Affected : 2%									
Location : 2nd Floor Mens Toilet									
Concrete Masonry Unit	35%			LIFE	**	5	\$1,700		
Gypsum Board	15%			LIFE	**	5	\$1,100		
SGFT/Glazed Masonry	25%			LIFE	**				
Wood	15%			LIFE	**	5	\$7,100		

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

Interior

Ceilings

AcousTileSusp.Lay-In	25%		2044	**	5	\$2,100
Exposed Struc: Concrete	70%		LIFE	**	5	\$900
Gypsum Board	5%		LIFE	**	5	\$500

Water Penetration, Extent : Light, Area Affected : 2%

Location : 2nd Floor Ceiling At Toilet And Locker Doorway

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%		2044	**		
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On-Site Walkways

Cast in Place Concrete	100%		2044	**		
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Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%		2051	**	5	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room Basement

Explanation : One 800 Ampere Main Disconnect Switch

Switchgear / Switchboard

Molded Case Bkrs	100%		2051	**	5	\$100
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Raceway

Conduit	100%		2051	**	1	
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Panelboards

Fused Disc Sw	5%		2047	**	5	
Molded Case Bkrs	95%		2047	**	5	\$100

Wiring

Thermoplastic	100%		2051	**	1	
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Motor Controllers

Locally Mounted	100%		2044	**	5	
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Ground

Grounding Devices

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

Transfer Switches

Automatic	100%		2044	**	1	\$1,600
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Generators

Diesel	100%		2040	**	1	\$2,100
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Other Observation, Extent : Light, Area Affected : 100%

Location : Generator Room Basement

Explanation : One 80 Kilovolt Ampere

Batteries

Lead/Acid	100%		2025		5	\$200
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

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

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

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

Electrical		Current Repair			Future Replacement		Maintenance		
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

*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 : 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

Utility Steam

100%

Now

\$1,000

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

100%

2040

* *

5

\$300

Steam

Distribution

Hot Wtr Piping/Pump

100%

2039

* *

4

\$300

*Insul. Deteriorating, Extent : Light, Area Affected : 30%**Location : Basement*

Terminal Devices

Convactor/Radiator

90%

2044

* *

1

\$1,500

Unit Heater - Hot Water

10%

2031

\$3,100

Air Conditioning

Energy Source

Electricity

100%

2047

* *

1

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

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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	\$57,200	2	\$200	
	Window/Wall Unit	10%			2029	\$2,000	1		
	No Component	20%							
Heat Rejection									
	Air Cooled Condenser Unit	90%			2031	\$10,800	2	\$3,300	
	No Component	10%							
Ventilation									
Distribution									
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$3,000	
Exhaust Fans									
	Interior	5%			2036	* *	2		
	Roof	80%			2036	* *	2	\$100	
	Roof	15%	Now	\$1,500	2041	* *	2		
Unit Inoperable, Extent : Moderate, Area Affected : 20%									
Location : Roof. Serves Locker Room									
Plumbing									
H/C Water Piping									
	Brass/Copper	100%			2041	* *	1		
Water Heater With Tanks									
	Electric	100%			2029	\$23,100	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%			2025	\$200	4	\$200	
Backflow Preventer									
	Not Accessible	100%							
Fixtures									
	Generic	100%							
Fire Suppression									
Chemical System									
	Wet	10%			2029	\$1,600	1-3	\$8,300	
	No Component	90%							

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$51,200	
Total	\$51,200	
Importance Code A	\$51,200	
Total	\$51,200	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$95,100	\$4,100		
Interior Architecture	\$70,300			\$200
Electrical			\$100	
Mechanical	\$4,700	\$13,400	\$1,300	\$1,200
Total	\$170,200	\$17,500	\$1,300	\$1,400
Importance Code A	\$95,600	\$4,600	\$500	\$500
Importance Code B	\$63,200	\$12,900	\$800	\$900
Importance Code C	\$11,400			
Total	\$170,200	\$17,500	\$1,300	\$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. 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	\$12,300	
	Masonry: Brick	65%			LIFE	**	5	\$10,200	
	Masonry: Granite	5%	Now	\$9,100	LIFE	**	5	\$600	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : At Base								
	Masonry: Limestone	10%			LIFE	**	5	\$1,200	
	Wood Overhead Doors	10%			2036	**	5	\$7,900	
Windows									
	Wood	100%	Now	\$51,200	2056	**	5	\$10,900	
	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	\$1,400	
	Other Observation, Extent : N/A, Area Affected : 20%								
	Location : Front Facade								
	Explanation : Stone Terra Cotta Cornice								
	Masonry: Brick	55%	4+	\$800	LIFE	**	5	\$300	
	Miss/Damaged Flashings, Extent : Moderate, Area Affected : 2%								
	Location : Main Roof								
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Parapet Walls								
	Explanation : Covered With Roof Membrane								
	Metal Panel	15%			2051	**	5	\$300	
Roof									
	Asphalt Shingle	10%	0-2	\$300	2040	**			
	Misaligned/Bulging, Extent : Moderate, Area Affected : 10%								
	Location : Raised Roof Area Towards Front Of Building								
	Modified Bitumen	85%	0-2	\$44,600	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	\$40,400	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								

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

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

Architecture		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$9,600	
Ceramic Tile	5%	Now	\$2,400	2040	**	5	\$200	
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	\$14,200	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	\$10,200	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	**			
Plaster	75%	Now	\$10,800	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	\$31,700	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 Struc: Concrete	20%			LIFE	**	5	\$300	
Gypsum Board	5%	0-2	\$400	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	**			

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% 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	\$100	
Lighting									
	Interior Lighting								
	LED	100%			2036	* *			
Recent Installation, Extent : N/A, 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 : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Unit							
	Distribution								
	Steam Piping/Pump	100%			2051	* *			
	Terminal Devices								
	Convactor/Radiator	100%			2036	* *	1	\$1,700	
Air Conditioning									
	Energy Source								
	Electricity	100%			2039	* *	1		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific 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	\$9,400	1		
	No Component	50%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	10%			LIFE	* *	2-5	\$300	
	No Component	90%							
	Exhaust Fans								
	Roof	10%			2031	\$1,000	2		
	Wall Unit	10%			2026	\$200	2		
	No Component	80%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2041	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	50%			LIFE	* *	1		
	Cast Iron	50%	Now	\$3,500	LIFE	* *	1		
	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	\$1,600	1-3	\$8,300	
	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.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 15/ LADDER CO.18 (COMBINED FACILITY)
Address : 25 PITT STREET @ DELANCEY ST
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.015 / 13013 **Yr Built/Renovated** : 1973 / 1988
Area Sq Ft : 14,780 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-May-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 342 **Lot** : 60 **BIN** : 1004078

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$92,400	
Interior Architecture		\$308,300
Total	\$92,400	\$308,300
Importance Code A	\$92,400	
Importance Code B		\$308,300
Total	\$92,400	\$308,300

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$24,600		\$300	
Interior Architecture	\$60,000	\$600		\$1,400
Electrical	\$200	\$300	\$28,600	\$100
Mechanical	\$12,200	\$2,100	\$39,500	\$3,400
Total	\$97,000	\$3,000	\$68,400	\$4,900
Importance Code A	\$24,600		\$300	
Importance Code B	\$64,500	\$3,000	\$68,100	\$4,900
Importance Code C	\$7,800			
Total	\$97,000	\$3,000	\$68,400	\$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. 15/ 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%			2052	* *	5-10	\$1,200	
	Metal Coiling Doors	5%			2045	* *	5	\$1,400	
Windows									
	Steel	100%	Now	\$92,400	2057	* *	5	\$13,100	
Other Observation, Extent : Severe, Area Affected : 100%									
Location : Throughout									
Explanation : Deteriorated									
Parapets									
	Masonry: Brick	88%	2-4	\$12,800	LIFE	* *	5	\$5,200	
Miss/Damaged Flashings, Extent : Light, Area Affected : 2%									
Location : Lower Roof Parapet Wall									
Vertical Cracks, Extent : Moderate, Area Affected : 2%									
Location : Parapet Wall									
	Metal Panel	10%	4+	\$2,300	2052	* *	5	\$1,100	
Broken/Missing Elements, Extent : Light, Area Affected : 10%									
Location : Front Facade									
	Pre-Cast Concrete	2%			LIFE	* *	5	\$700	
Roof									
	Modified Bitumen	100%	2-4	\$8,800	2037	* *			
Blisters, Extent : Moderate, Area Affected : 2%									
Location : Near Roof Door									
Soffits									
	Stucco Cement	100%			2045	* *	5		
Interior									
Floors									
	Cast in Place Concrete	40%	Now	\$15,200	LIFE	* *	5	\$20,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%									
Location : First Floor, Apparatus Floor									
	Ceramic Tile	5%			2041	* *	5	\$1,100	
	Quarry Tile	5%			2045	* *	5	\$1,700	
	Vinyl Tile	50%	Now	\$6,200	2032	\$308,300	3	\$4,300	
Cracking/Crumbling, Extent : Severe, Area Affected : 10%									
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. 15/ 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
Interior									
Interior Walls									
	Ceramic Tile	5%	4+	\$1,500	2041	* *	5	\$700	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 2%							
		Location : 2nd Floor Toilet Room							
	Concrete Masonry Unit	45%			LIFE	* *	5	\$5,200	
	Gypsum Board	15%	2-4	\$1,200	LIFE	* *	5	\$2,600	
		Cracking/Crumbling, Extent : Light, Area Affected : 10%							
		Location : Second Floor							
	Plaster	15%	2-4	\$5,100	LIFE	* *	5	\$1,300	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : Second Floor And Stair Well							
	SGFT/Glazed Masonry	20%			LIFE	* *			
Ceilings									
	AcousTileSusp.Lay-In	70%	4+	\$13,000	2037	* *	5	\$8,000	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : Throughout							
		Staining/Discoloring, Extent : Moderate, Area Affected : 5%							
		Location : Kitchen							
	Exposed Struc: Concrete	25%			LIFE	* *	5	\$900	
	Plaster	5%	Now	\$17,000	LIFE	* *	5	\$700	
		Cracking/Crumbling, Extent : Severe, Area Affected : 100%							
		Location : Second Floor							
Site Pavements									
Public Sidewalk									
	Cast in Place Concrete	100%			2045	* *			
Parking/Driveway									
	Cast in Place Concrete	100%			2045	* *			

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts									
	Service Equipment								
	Not Accessible	100%							
		Other Observation, Extent : N/A, Area Affected : 0%							
		Location :							
		Explanation : Electrically Feed From The Adjacent Police Precinct							
Switchgear / Switchboard									
	Not Accessible	100%							
		Other Observation, Extent : N/A, Area Affected : 0%							
		Location :							
		Explanation : Electrically Feed From The Adjacent Police Precinct							
Raceway									
	Conduit	20%			2042	* *	1		
	Conduit	80%			2032	\$28,800	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. 15/ 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
Under 600 Volts									
Panelboards									
	Fused Disc Sw	5%			2031	\$2,400	5		
	Molded Case Bkrs	15%			2040	* *	5	\$100	
	Molded Case Bkrs	80%			2031	\$38,800	5	\$300	
Wiring									
	Thermoplastic	20%			2042	* *	1		
	Thermoplastic	80%			2032	\$26,000	1		
Motor Controllers									
	Locally Mounted	100%			2030	\$17,800	5	\$100	
Ground									
Grounding Devices									
	Generic	100%			LIFE	* *	5	\$200	
Lighting									
Interior Lighting									
	Fluorescent	98%			2037	* *	10	\$13,300	
	T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
	Location : Throughout The Building								
	Fluorescent	2%			2037	* *	10	\$300	
	Compact Fluorescent Light, Extent : Light, Area Affected : 100%								
	Location : Office								
Egress Lighting									
	Exit, Service	50%			2027	\$3,100	1		
	No Component	50%							
Exterior Lighting									
	Fluorescent	20%			2027	\$11,500	10	\$300	
	Compact Fluorescent Light, Extent : Light, Area Affected : 20%								
	Location : Front And Back Outside								
	No Component	80%							
Alarm									
Security System									
	No Component	80%							
	Generic	20%			2037	* *	1	\$1,100	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Outside 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									
	Not Accessible	100%							
Other Observation, Extent : Light, Area Affected : 0%									
Location : Other Side Of Building									
Explanation : Supplied From 7th Precinct									

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 15/ LADDER CO.18 (COMBINED FACILITY)
Asset # : 13013

Mechanical		Current 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	100%							
	Not Accessible								
			Other Observation, Extent : Light, Area Affected : 0%						
			Location : Supplied From The Precinct						
			Explanation : Inadequate Heat Supply						
Distribution									
	Hot Wtr Piping/Pump	100%			2048	* *	4	\$700	
Terminal Devices									
	Convactor/Radiator	90%	Now	\$2,100	2045	* *	1	\$3,900	
			Malfunctioning, Extent : Moderate, Area Affected : 5%						
			Location : Control System In The Precinct						
	Fan Coil Unit/Heat	10%	Now	\$700	2037	* *	1	\$400	
			Malfunctioning, Extent : Moderate, Area Affected : 5%						
			Location : Control System In The Precinct						
Air Conditioning									
	Energy Source	100%							
	Not Accessible								
			Other Observation, Extent : Light, Area Affected : 0%						
			Location : Other Side Of Building						
			Explanation : Supplied From 7th Precinct						
Conversion Equipment									
	Window/Wall Unit	50%			2027	\$27,300	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	\$2,800	2037	* *	2	\$400	
			Broken, Extent : Moderate, Area Affected : 10%						
			Location : Kitchen. On The Roof						
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2052	* *	1		

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

FIRE DEPARTMENT - 057
ENGINE CO. 15/ LADDER CO.18 (COMBINED FACILITY)
Asset # : 13013

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	Water Heater With Tanks Electric	100%			2031	\$23,100	4		
				Recent Replace Evident, Extent : N/A, Area Affected : 100%					
				Location : 1st Floor					
				Other Observation, Extent : Light, Area Affected : 100%					
				Location : 1st Floor					
				Explanation : Two 119 Gallon Units					
	Sanitary Piping Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping Cast Iron	100%	Now	\$2,500	LIFE	* *	1		
				Blockage /Clogged, Extent : Moderate, Area Affected : 5%					
				Location : Apparatus Room. When It Rains Hard.					
Fixtures									
	Generic	100%							
				Obsolete Fixtures, Extent : Severe, Area Affected : 40%					
				Location : Bathroom, Second Floor					
Fire Suppression									
	Standpipe Generic	100%			2052	* *	1-5	\$7,700	
	Sprinkler								
	No Component Generic	50%							
		50%			2052	* *	1-2	\$2,100	
	Fire Pump								
	Not Accessible	100%							
	Chemical System								
	Dry	10%			2025	\$1,600	1-3	\$7,900	
				Other Observation, Extent : Light, Area Affected : 100%					
				Location : Kitchen					
				Explanation : Model Rg-4gs					
	No Component Generic	80%							
		10%			2027	\$1,600	1-3	\$7,400	
				Other Observation, Extent : Light, Area Affected : 100%					
				Location : Throughout					
				Explanation : Fire Extinguishers					

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$73,900	\$99,100
Electrical		\$56,500
Total	\$73,900	\$155,600
Importance Code B	\$73,900	\$155,600
Total	\$73,900	\$155,600

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$18,600			
Interior Architecture	\$48,500	\$800		\$500
Electrical	\$3,000	\$500	\$600	\$500
Mechanical	\$8,100	\$30,500	\$900	\$900
Site Enclosure	\$4,100			
Total	\$82,300	\$31,800	\$1,500	\$1,800
Importance Code A	\$19,200	\$700	\$700	\$700
Importance Code B	\$44,200	\$31,200	\$800	\$1,200
Importance Code C	\$18,900			
Total	\$82,300	\$31,800	\$1,500	\$1,800



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

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 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	\$8,900	
	Masonry: Brick	70%			LIFE	**	5	\$16,000	
	Masonry: Granite	5%	4+	\$1,800	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	\$3,200	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	\$4,300	
	Masonry: Brick	80%	0-2	\$13,600	LIFE	**	5	\$2,200	
Spalling, Extent : Moderate, Area Affected : 20%									
Location : Throughout									
Roof									
	Asphalt Shingle	8%			2034	\$4,500	10	\$100	
	Modified Bitumen	90%			2041	**	10	\$9,500	
Recent Replace Evident, Extent : N/A, Area Affected : 100%									
Location : Main Roof									
	Skylight, Metal/Glass	2%			2051	**	10	\$700	
Interior									
Floors									
	Cast in Place Concrete	50%	Now	\$8,700	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	\$200	
	Vinyl Tile	35%	0-2	\$19,800	2031	\$99,100	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									

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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	\$9,900	LIFE	**			
		Water Penetration, Extent : Moderate, Area Affected : 20%							
		Location : Basement							
	Ceramic Tile	3%			2040	**	5	\$400	
	Masonry: Brick	10%			LIFE	**			
	Marble Panels	1%			LIFE	**			
	Plaster	30%	Now	\$4,700	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	**			
	Wood	2%			LIFE	**	5	\$1,100	
Ceilings									
	AcousTileSusp.Lay-In	10%	4+	\$300	2036	**	5	\$500	
		Staining/Discoloring, Extent : Moderate, Area Affected : 20%							
		Location : Kitchen							
	Exposed Struc: Steel	60%	Now	\$73,900	LIFE	**			
		Corrosion/Rusting, Extent : Moderate, Area Affected : 5%							
		Location : Under Right Apparatus Floor Drain							
	Plaster	30%	Now	\$4,700	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	\$4,100	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									

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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
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	\$9,000	1		
	Panelboards								
	Fused Disc Sw	50%			2047	* *	5	\$100	
	Molded Case Bkrs	25%			2039	* *	5		
	Molded Case Bkrs	25%			2047	* *	5		
	Wiring								
	Thermoplastic	100%			2041	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2044	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : 1st Floor							
		Explanation : Overhead Door Operators							
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2044	* *	1	\$2,200	
	Generators								
	Diesel	100%			2040	* *	1	\$2,700	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Outdoor							
		Explanation : 60 Kilowatts							
	Batteries								
	Lead/Acid	100%			2025	\$2,400	5	\$300	
	Fuel Storage								
	Main Tank	100%			2059	* *	5		
Lighting									
	Interior Lighting								
	Fluorescent	95%			2031	\$56,500	10	\$6,100	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Throughout							
	Incandescent	5%			2031	\$4,200	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : 1st Floor							
		Explanation : Incandescent Lamps							

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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	\$12,500	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									
	Convactor/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	\$16,300			
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : 1st Floor							
		Explanation : Serves 1st Floor Office							
	Window/Wall Unit	50%	Now	\$2,600	2026	\$13,000	1		
		Malfunctioning, Extent : Moderate, Area Affected : 30%							
		Location : Throughout							
	No Component	40%							

Ventilation

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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	\$27,300	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 With Tanks								
	Gas Fired	100%			2026	\$16,700	2		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Cellar								
	Explanation : Two 75 Gallon Heaters								
	Sanitary Piping								
	Cast Iron	100%	Now	\$4,300	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%			2025	\$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								

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture		\$81,300
Interior Architecture		\$63,800
Electrical	\$52,000	
Mechanical		\$931,700
Total	\$52,000	\$1,076,800
Importance Code A		\$81,300
Importance Code B	\$52,000	\$931,700
Importance Code C		\$63,800
Total	\$52,000	\$1,076,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$23,300	\$2,600		
Interior Architecture	\$108,700	\$300		\$400
Electrical	\$2,800	\$38,100	\$400	\$400
Mechanical	\$25,300	\$38,400	\$1,400	\$1,400
Site Pavements	\$3,700			
Total	\$163,800	\$79,500	\$1,800	\$2,200
Importance Code A	\$24,200	\$3,200	\$600	\$600
Importance Code B	\$110,300	\$76,300	\$1,200	\$1,600
Importance Code C	\$29,300			
Total	\$163,800	\$79,500	\$1,800	\$2,200



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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. 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	\$16,800	
		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	\$500	
	Masonry: Limestone	7%	2-4	\$11,300	LIFE	* *	5	\$1,100	
		Spalling, Extent : Moderate, Area Affected : 10%							
		Location : Jamb At Overhead Doors							
	Masonry: Sandstone	5%			LIFE	* *	5	\$800	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Window Lintels							
		Explanation : This Is Actually Bluestone							
	Wood Overhead Doors	5%			2036	* *	5	\$5,200	
Windows									
	Aluminum	100%	0-2	\$7,900	2039	* *	5	\$900	
		Caulking Deteriorated, Extent : Moderate, Area Affected : 90%							
		Location : Perimeter Sealant At All Windows							
Parapets									
	Masonry: Brick	80%			LIFE	* *	5	\$2,100	
		Painted Surfaces, Extent : Light, Area Affected : 100%							
		Location : Throughout							
	Masonry: Limestone	20%			LIFE	* *	5	\$700	
Roof									
	Asphalt Shingle	7%			2034	\$3,100	10	\$100	
	Modified Bitumen	90%	4+	\$4,100	2031	\$81,300			
		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.
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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	\$38,100	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	\$25,300	5	\$500	
	Quarry Tile	5%			2036	* *	5	\$700	
	Terrazzo	5%	Now	\$800	LIFE	* *	5	\$400	
	Broken/Missing Elements, Extent : Light, Area Affected : 2%								
	Location : Office Space By Entrance								
	Vinyl Tile	35%	0-2	\$8,700	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	\$22,100	LIFE	* *			
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : Diagonal Cracks At North And West Foundation								
	Ceramic Tile	10%			2034	\$63,800	5	\$1,200	
	Gypsum Board	5%			LIFE	* *	5	\$400	
	Marble Panels	5%			LIFE	* *			
	Plaster	25%	0-2	\$3,500	LIFE	* *	5	\$900	
	Water Penetration, Extent : Moderate, Area Affected : 10%								
	Location : 2nd Floor Stair And Bathroom								
	SGFT/Glazed Masonry	25%			LIFE	* *			
	Wood	5%			LIFE	* *	5	\$2,400	

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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	\$600	2044	* *	5	\$900	
		Broken/Missing Elements, Extent : Moderate, Area Affected : 15%							
		Location : Kitchen							
	Exposed Struc: Concrete	45%	Now	\$30,200	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	\$4,800	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	\$2,000	2036	* *			
		Cracking/Crumbling, Extent : Light, Area Affected : 5%							
		Location : Pavement Located Adjacent To Generator							
	Parking/Driveway								
	Cast in Place Concrete	100%	Now	\$1,600	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

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

FIRE DEPARTMENT - 057
ENGINE CO. 152
Asset # : 13082

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% 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	\$14,700	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	\$34,200	1		
	Conduit	5%			2041	* *	1		
	Panelboards								
	Molded Case Bkrs	75%			2030	\$36,400	5	\$100	
	Molded Case Bkrs	25%			2047	* *	5		
	Wiring								
	Thermoplastic	100%			2041	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2029	\$17,800	5		
				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	\$2,400	5	\$1,400	
	Fuel Storage								
	Day Tank	100%			2047	* *	5		
				Other Observation, Extent : Light, Area Affected : 100%					
				Location : Side Yard					
				Explanation : 50 Gallon Capacity					

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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 \$52,000 10 \$5,600
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%
Location : Throughout

Exterior Lighting
HID

75%
2026 \$20,900 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 \$8,000 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
Convactor/Radiator

100% 2029 \$48,900 1 \$2,000

Air Conditioning

Energy Source
Electricity

100% 2039 * * 1

Conversion Equipment
Window/Wall Unit
No Component

80% 2026 \$18,100 1
20%

Dehumidifier
Generic

100% 2029 \$931,700

Ventilation

Exhaust Fans

Interior
Roof

30% 2031 \$8,000 2 \$100
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%

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FIRE DEPARTMENT - 057
ENGINE CO. 152
Asset # : 13082

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	H/C Water Piping								
	Brass/Copper	20%			2041	* *	1		
	Galvanized Steel	80%			2036	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2026	\$16,700	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Cellar							
		Explanation : Two 75 Gallon Heaters							
	Sanitary Piping								
	Cast Iron	100%	4+	\$15,100	LIFE	* *	1		
		Corroded, Extent : Moderate, Area Affected : 30%							
		Location : Basement							
	Storm Drain Piping								
	Cast Iron	100%	4+	\$8,400	LIFE	* *	1		
		Corroded, Extent : Moderate, Area Affected : 20%							
		Location : Basement							
	Sump Pump(s)								
	Submersible	100%			2025	\$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	\$1,600	1-3	\$7,400	

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$142,800	\$126,100
Interior Architecture	\$171,300	\$216,400
Electrical	\$20,200	\$60,500
Total	\$334,200	\$403,000
Importance Code A	\$142,800	\$126,100
Importance Code B	\$191,400	\$276,900
Total	\$334,200	\$403,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$131,500			\$3,700
Interior Architecture	\$107,400			\$200
Electrical	\$2,100	\$2,300		
Mechanical	\$17,700	\$25,900	\$1,500	\$1,300
Site Enclosure	\$18,600			
Site Pavements	\$600			
Total	\$277,900	\$28,200	\$1,500	\$5,200
Importance Code A	\$132,500	\$1,000	\$900	\$4,600
Importance Code B	\$57,800	\$27,300	\$600	\$500
Importance Code C	\$87,600			
Total	\$277,900	\$28,200	\$1,500	\$5,200



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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
Exterior									
	Exterior Walls								
	Masonry: Brick	75%	Now	\$142,800	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+	\$13,700	LIFE	**	5	\$900	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 2%							
		Location : Chipped Corners At Overhead Doors							
	Masonry: Limestone	10%	4+	\$36,400	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 : N/A, Area Affected : 100%							
		Location : Main Apparatus Doors							
Windows									
	Aluminum	100%	2-4	\$15,200	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	\$12,700	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	\$3,200	
Roof									
	Modified Bitumen	95%	4+	\$12,600	2031	\$126,100			
		Ponding, Extent : Moderate, Area Affected : 20%							
		Location : Throughout							
	Skylight, Metal/Glass	3%			2051	**	10	\$1,200	
	Skylight, Metal/Glass	2%	Now	\$41,000	2061	**			
		Water Penetration, Extent : Moderate, Area Affected : 50%							
		Location : Second Floor - Skylight Deteriorated							

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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									
Floors									
Cast in Place Concrete	35%	Now	\$7,700	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	\$4,800	2036	**	5	\$500		
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%									
Location : Kitchen									
Terrazzo	5%			LIFE	**	5	\$500		
Traffic Topping	35%	Now	\$10,800	2031	\$216,400	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	\$35,800	3	\$700		
Interior Walls									
Cast in Place Concrete	30%	Now	\$40,600	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+	\$20,400	LIFE	**				
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%									
Location : First Floor									
Plaster	30%	Now	\$6,500	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	\$171,300	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	\$13,800	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	\$18,600	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	\$600	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 : N/A, 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	\$1,800	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 : N/A, Area Affected : 100%								
	Location : 1st Floor								
	Explanation : Motorized Door Operators-garage Doors								
Ground									
	Grounding Devices								
	Generic	100%			LIFE	**	5	\$100	
Lighting									
	Interior Lighting								
	Fluorescent	75%			2031	\$60,500	10	\$6,500	
	T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
	Location : Throughout								
	Fluorescent	25%			2026	\$20,200	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 : N/A, Area Affected : 100%								
	Location : Basement								
	Explanation : 2016 Installation								

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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
Heating									
	Distribution								
	Central Plant Steam Piping/Pmp	100%			2057	**	4	\$700	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 2016 Installation							
	Terminal Devices								
	Convactor/Radiator	100%			2036	**	1	\$3,100	
Air Conditioning									
	Energy Source								
	Electricity	100%			2053	**	1		
	Conversion Equipment								
	Window/Wall Unit	70%			2026	\$24,600	1		
	No Component	30%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	20%			LIFE	**	2-5	\$1,100	
	No Component	80%							
	Exhaust Fans								
	Interior	80%			2031	\$32,900	2	\$200	
	Roof	20%	Now	\$700	2031	\$3,600	2		
		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 With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 75 Gallon Water Heater							
	Sanitary Piping								
	Cast Iron	100%	2-4	\$11,700	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	\$3,300	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.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific 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%			2025	\$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	\$4,100	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.
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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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$210,300	\$77,900
Site Pavements	\$86,200	
Total	\$296,600	\$77,900
Importance Code A	\$210,300	\$77,900
Importance Code C	\$86,200	
Total	\$296,600	\$77,900

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$120,800	\$8,200	\$1,400	
Interior Architecture	\$3,200		\$400	
Electrical	\$13,500	\$7,400		
Mechanical	\$5,200	\$20,100	\$1,200	\$1,000
Site Enclosure	\$4,700			
Total	\$147,500	\$35,700	\$2,900	\$1,000
Importance Code A	\$121,100	\$8,500	\$1,700	\$300
Importance Code B	\$18,600	\$27,200	\$1,200	\$700
Importance Code C	\$7,800			
Total	\$147,500	\$35,700	\$2,900	\$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. 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	\$21,400	2041	**			
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : South Elevation								
Masonry: Brick	55%	Now	\$122,900	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	\$400	
Masonry: Limestone	10%	Now	\$21,400	LIFE	**	5	\$2,100	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%								
Location : Front Facade								
Slate Panels	3%	Now	\$25,300	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	\$77,900	5	\$13,900	
Windows								
Aluminum	85%	Now	\$29,400	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	\$2,900	
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	\$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. 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	\$200	2040	**			
	Broken/Missing Elements, Extent : Moderate, Area Affected : 10%							
	Location : Shed Roofs At Rear Of Building							
Modified Bitumen	90%			2026	\$87,500	10	\$8,200	
	Worn/Eroded, Extent : Moderate, Area Affected : 40%							
	Location : Throughout Main Roof							
Soffits								
Alum/Vinyl Siding	100%	Now	\$14,500	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	\$12,000	
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	**			
Ceramic Tile	10%			2040	**	5	\$1,300	
Gypsum Board	10%			LIFE	**	5	\$800	
Plaster	40%	Now	\$2,400	LIFE	**	5	\$1,500	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 5%							
	Location : Roof Scuttle Area							
SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	15%			2044	**	5	\$1,400	
Exposed Struc: Concrete	30%			LIFE	**	5	\$400	
Exposed Struc: Steel	10%			LIFE	**			
Exposed Struc: Wood	15%			LIFE	**			
	Other Observation, Extent : Light, Area Affected : 100%							
	Location : Shed Areas On First Floor							
	Explanation : Underside Of Shed Additions							
Plaster	30%			LIFE	**	5	\$1,700	
Site Enclosure								
Fence/Gates								
Chain Link	100%	2-4	\$4,700	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.
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** 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

Site Pavements

Parking/Driveway

Asphalt

100% Now \$86,200 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 \$14,700 5

Other Observation, Extent : Light, Area Affected : 100%
Location : Basement Electrical Section
Explanation : 200 Ampere

Raceway

Conduit

80% 2041 * * 1

Conduit

20% 4+ \$2,900 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 \$9,700 5

Wiring

Braided Cloth

20% 2-4 \$6,500 2056 * * 1

Insulation Aged, Extent : Moderate, Area Affected : 100%
Location : Basement

Thermoplastic

80% 2041 * * 1

Motor Controllers

Locally Mounted

100% 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

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 155/ LADDER CO. 78
Asset # : 13085

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting									
	Interior Lighting								
	Fluorescent	80%			2031	\$41,500	10	\$4,500	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Throughout							
	Incandescent	10%			2026	\$7,400	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	\$32,000			

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%			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	\$500	
	Terminal Devices								
	Convactor/Radiator	100%			2036	* *	1	\$2,000	
Air Conditioning									
	Energy Source								
	Electricity	100%			2047	* *	1		
	Conversion Equipment								
	Window/Wall Unit	80%	Now	\$3,600	2026	\$18,100	1		
		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	\$700	
	No Component	80%							

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

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** 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

Mechanical		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	\$5,300	2		
	Roof	10%			2039	* *	2		
		Recent Installation, Extent : N/A, Area Affected : 100%							
		Location : Mounted On Vertical Ductwork Next To Roof							
	Wall Unit	20%	Now	\$100	2031	\$500	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 With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
		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%			2025	\$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	\$1,600	1-3	\$8,300	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Kitchen							
		Explanation : Serves To Protect Kitchen Cooking Range.							
	No Component	90%							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$71,800	
Interior Architecture		\$215,800
Total	\$71,800	\$215,800
Importance Code A	\$71,800	
Importance Code B		\$215,800
Total	\$71,800	\$215,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$22,000	\$10,400	\$500	
Interior Architecture	\$30,400			
Electrical	\$7,300	\$3,700	\$100	\$100
Mechanical	\$4,400	\$35,400	\$1,100	\$1,100
Site Enclosure	\$2,400			
Total	\$66,600	\$49,400	\$1,700	\$1,200
Importance Code A	\$22,400	\$10,800	\$900	\$400
Importance Code B	\$19,500	\$38,600	\$800	\$800
Importance Code C	\$24,700			
Total	\$66,600	\$49,400	\$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. 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	\$71,800	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	\$18,300	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	\$1,400	
	Masonry: Brick	85%	0-2	\$3,700	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	\$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	\$5,500	LIFE	**	5	\$7,300	
		Water Penetration, Extent : Moderate, Area Affected : 25%							
		Location : Basement							
	Ceramic Tile	5%			2040	**	5	\$400	
	Wood	50%			2034	\$215,800	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.
Estimates are rounded to the nearest hundred dollars.

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

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

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

Architecture		Current Repair			Future Replacement		Maintenance		
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	5%			2040	**	5	\$500	
	Gypsum Board	35%			LIFE	**	5	\$2,100	
	Masonry: Brick	25%	Now	\$23,700	LIFE	**			
Water Penetration, Extent : Moderate, Area Affected : 20%									
Location : Basement									
	Plaster	15%	4+	\$700	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	\$2,300	
	Exposed Struc: Steel	25%			LIFE	**			
Site Enclosure									
Fence/Gates									
	Chain Link	100%			2041	**			
Retaining Walls									
	Cast in Place Concrete	100%	Now	\$2,400	2051	**			
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 : N/A, 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+	\$1,800	2041	* *	1		
		Corroded, Extent : Moderate, Area Affected : 5%							
		Location : Basement Incoming Conduits And Supports							

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

Electrical		Current Repair			Future 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	\$2,400	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+	\$1,600	2031	\$5,300	2		
		Obsolete Fixtures, Extent : Moderate, Area Affected : 10%							
		Location : Television Room							
	Egress Lighting								
	Emergency, Battery	50%			2031	\$3,600	10	\$500	
	Exit, Service	50%			2031	\$900	1		
	Exterior Lighting								
	HID	50%			2031	\$9,900	10		
	No Component	50%							
Alarm									
	Security System								
	No Component	95%							
	Generic	5%	Now	\$400	2041	* *	1	\$100	
		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	\$1,100	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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** 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	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost	Priority
	Type	Total	(Years)		FY		(Yrs)		
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	\$1,000	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									
	Convactor/Radiator	100%			2036	* *	1	\$1,400	
Air Conditioning									
	Energy Source								
	Electricity	100%			2047	* *	1		
Conversion Equipment									
	Window/Wall Unit	95%			2026	\$15,300	1		
	Window/Wall Unit	5%	0-2	\$500	2031	\$800	1		
		Malfunctioning, Extent : Moderate, Area Affected : 100%							
		Location : Throughout, Various Mechanical And Electrical Defects							
Ventilation									
	Exhaust Fans								
	Interior	50%			2031	\$9,400	2	\$100	
	Roof	50%			2031	\$4,100	2	\$100	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2041	* *	1		
Water Heater With Tanks									
	Gas Fired	100%			2026	\$16,700	2		
Sanitary Piping									
	Cast Iron	100%	Now	\$2,700	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 10%							
		Location : 1st Floor Bathroom							
Storm Drain Piping									
	Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)									
	Submersible	100%			2025	\$100	4	\$100	
Backflow Preventer									
	No Component	80%							
	Generic	20%			2031	\$400	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	\$1,600	1-3	\$7,400	

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 157/ LADDER CO. 80
Address : 1573 CASTLETON AVENUE BTWN FABER ST - PORT RICHMOND AV
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.157 / 13087 **Yr Built/Renovated** : 1931 / 2003
Area Sq Ft : 6,296 **Project Type** : FIRE DEPARTMENT
Date of Survey : 03-Nov-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1080 **Lot** : 2 **BIN** : 5025442

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$84,300	\$76,300
Total	\$84,300	\$76,300
Importance Code B		\$76,300
Importance Code C	\$84,300	
Total	\$84,300	\$76,300

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$8,700	\$2,100		\$7,300
Interior Architecture	\$38,800	\$200	\$400	\$400
Electrical	\$18,300			\$10,800
Mechanical	\$16,400	\$7,700	\$7,400	\$15,200
Total	\$82,300	\$10,000	\$7,800	\$33,600
Importance Code A	\$9,300	\$2,700	\$600	\$7,900
Importance Code B	\$66,800	\$7,300	\$7,200	\$25,700
Importance Code C	\$6,200			
Total	\$82,300	\$10,000	\$7,800	\$33,600



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. 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%			LIFE	**	5	\$19,400	
		Painted Surfaces, Extent : Light, Area Affected : 75%							
		Location : Throughout							
	Masonry: Granite	5%			LIFE	**	5	\$900	
	Masonry: Limestone	5%			LIFE	**	5	\$900	
	Metal Sect. OHD	5%			2046	**	5	\$3,600	
	Windows								
	Aluminum	100%	0-2	\$8,700	2041	**	5	\$900	
		Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 5%							
	Location : Apparatus Floor And Captain Office								
Parapets									
Parapets	Cast Stone/Terra Cotta	10%			LIFE	**	5	\$700	
	Masonry: Brick	90%			LIFE	**	5	\$800	
		Recent Repair Evident, Extent : N/A, Area Affected : 100%							
		Location : Parapet							
Roof									
Roof	Asphalt Shingle	20%			2036	**	10	\$300	
	Modified Bitumen	80%			2038	**	10	\$7,300	
		Recent Repair Evident, Extent : N/A, Area Affected : 100%							
		Location : Roof							
Interior									
Floors									
Floors	Cast in Place Concrete	60%	0-2	\$23,500	LIFE	**	5	\$12,400	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : Throughout							
	Ceramic Tile	5%			2036	**	5	\$500	
	Quarry Tile	5%			2038	**	5	\$700	
	Vinyl Tile	30%			2033	\$76,300	3	\$1,100	
		Worn/Eroded, Extent : Light, Area Affected : 15%							
		Location : Throughout 2nd Floor							
	Interior Walls								
Interior Walls	Gypsum Board	5%			LIFE	**	5	\$400	
	Masonry: Brick	35%	Now	\$84,300	LIFE	**			
		Water Penetration, Extent : Severe, Area Affected : 20%							
		Location : Basement							
	Plaster	20%	Now	\$6,200	LIFE	**	5	\$800	
		Water Penetration, Extent : Moderate, Area Affected : 20%							
		Location : Throughout 2nd Floor And Stair							
	SGFT/Glazed Masonry	40%			LIFE	**			

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** 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 \$9,200 2038 * * 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 Struc: Concrete 35% LIFE * * 5 \$500

Exposed Struc: Steel 35% LIFE * *

Site Enclosure

Fence/Gates

Chain Link 100% 2043 * *

Site Pavements

Public Sidewalk

Cast in Place Concrete 100% 2038 * *

On-Site Walkways

Cast in Place Concrete 100% 2038 * *

Parking/Driveway

Cast in Place Concrete 100% 2038 * *

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

Under 600 Volts

Service Equipment

Fused Disc Sw 100% 2043 * * 5

Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : One 200 Ampere Main Disconnect Switch

Switchgear / Switchboard

Molded Case Bkrs 100% 2043 * * 5 \$200

Raceway

Conduit 100% 2043 * * 1

Panelboards

Molded Case Bkrs 100% 2049 * * 5 \$200

Wiring

Thermoplastic 100% 2043 * * 1

Ground

Grounding Devices

Generic 100% LIFE * * 5 \$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
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	1%			2033	\$500	10	\$100	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Kitchen Area							
	LED	99%	Now	\$15,000	2038	* *			
		Other Observation, Extent : Light, Area Affected : 20%							
		Location : Throughout The Building							
		Explanation : 10 Ballasts Are Defective							
Egress Lighting									
	Emergency, Battery	90%			2028	\$9,300	10	\$1,400	
	Exit, Battery	10%			2033	\$900	10		
Exterior Lighting									
	LED	20%	Now	\$3,300	2041	* *			
		Other Observation, Extent : Moderate, Area Affected : 50%							
		Location : Building Perimeter							
		Explanation : 6 Fixtures Are Not Operational							
	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%			2053	* *	1		
	Conversion Equipment								
	Furnace	5%			2033	\$1,000	1	\$200	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : First Floor							
		Explanation : Two Units							
	Steam Boiler	95%			2046	* *	1	\$5,900	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : One Unit							
	Distribution								
	Steam Piping/Pump	100%			2053	* *			
	Terminal Devices								
	Convactor/Radiator	100%			2038	* *	1	\$2,000	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Throughout							
		Explanation : Cast Iron Radiators With One Pipe System							
Air Conditioning									
	Energy Source								
	Electricity	100%			2049	* *	1		
	Conversion Equipment								
	Window/Wall Unit	50%			2031	\$11,600	1		
	No Component	50%							

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FIRE DEPARTMENT - 057
ENGINE CO. 157/ LADDER CO. 80
Asset # : 13087

Mechanical		Current Repair		Future Replacement		Maintenance			
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	\$100	
	Roof	60%			2033	\$7,200	2	\$100	
	Wall Unit	5%	4+	\$100	2043	* *	2		
		Malfunctioning, Extent : Moderate, Area Affected : 30%							
		Location : 1st Floor							
	No Component	5%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2053	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2031	\$33,400	2		
		Other Observation, Extent : N/A, 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	\$1,100	LIFE	* *	1		
		Other Observation, Extent : Moderate, Area Affected : 50%							
		Location : Basement							
		Explanation : Backs Up With Heavy Rain							
	Sump Pump(s)								
	Submersible	100%			2026	\$200	4	\$200	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2031	\$19,100	1-3	\$97,100	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : 1st Floor Kitchen Hood							
		Explanation : 6 Feet Long, 24 Square Feet.							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture		\$74,000
Total		\$74,000
Importance Code A		\$74,000
Total		\$74,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$37,300	\$600		
Interior Architecture	\$39,000		\$500	
Electrical	\$200	\$3,000	\$200	\$300
Mechanical	\$1,300	\$22,500	\$1,200	\$1,100
Site Enclosure	\$4,000			
Site Pavements	\$7,500			
Total	\$89,300	\$26,200	\$1,800	\$1,400
Importance Code A	\$37,700	\$1,000	\$300	\$300
Importance Code B	\$29,700	\$25,200	\$1,500	\$1,100
Importance Code C	\$21,900			
Total	\$89,300	\$26,200	\$1,800	\$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. 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+	\$27,800	LIFE	**	5	\$17,300	
	Diagonal Cracks, Extent : Moderate, Area Affected : 2%								
	Location : West Facade Below 2nd Floor Window Sill								
	Masonry: Granite	5%			LIFE	**	5	\$800	
	Masonry: Limestone	5%	0-2	\$1,700	LIFE	**	5	\$800	
	Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
	Location : Front Facade								
	Wood Overhead Doors	5%	Now	\$3,000	2029	\$30,300	5	\$2,700	
	Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 2%								
	Location : Main Apparatus Door								
Windows									
	Aluminum	100%	4+	\$4,000	2039	**	5	\$800	
	Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 5%								
	Location : Various Windows								
Parapets									
	Masonry: Brick	60%			LIFE	**	5	\$1,300	
	Masonry: Limestone	25%			LIFE	**	5	\$700	
	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	\$6,600	10	\$200	
	Modified Bitumen	83%			2031	\$74,000	10	\$6,900	
	Skylight, Metal/Glass	2%	Now	\$900	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	\$7,700	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	

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

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

FIRE DEPARTMENT - 057**ENGINE CO. 158****Asset # : 13088**

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

Interior**Interior Walls**

Cast in Place Concrete	20%	Now	\$17,600	LIFE	**				
<i>Spalling, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Basement At Front Of Building</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Basement At Front Of Building</i>									

Ceramic Tile	10%			2040	**	5	\$1,200		
Gypsum Board	5%			LIFE	**	5	\$400		
Plaster	30%	Now	\$1,700	LIFE	**	5	\$1,100		

Cracking/Crumbling, Extent : Moderate, Area Affected : 2%
Location : Roof Hatch Area

Plywood/Hardboard	5%			LIFE	**				
SGFT/Glazed Masonry	30%			LIFE	**				

Ceilings

AcousTileSusp.Lay-In	5%			2029		\$7,000	5	\$400	
Exposed Struc: Concrete	30%	Now	\$7,600	LIFE	**	5	\$400		

Water Penetration, Extent : Moderate, Area Affected : 5%
Location : Front Of Building In Basement

Plaster	65%	Now	\$3,300	LIFE	**	5	\$3,500		
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Cracking/Crumbling, Extent : Moderate, Area Affected : 1%
Location : Roof Hatch Area

Site Enclosure**Fence/Gates**

Chain Link	100%			2041	**				
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Retaining Walls

Cast in Place Concrete	100%	Now	\$4,000	2051	**				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Rear Yard</i>									

Site Pavements**Public Sidewalk**

Cast in Place Concrete	100%	Now	\$5,400	2036	**				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : By Curbside Water Valve Access Cover</i>									

On-Site Walkways

Cast in Place Concrete	100%			2036	**				
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Parking/Driveway

Cast in Place Concrete	100%	Now	\$2,100	2036	**				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Driveway Apron At Apparatus Entrance</i>									

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

Under 600 Volts**Service Equipment**

Fused Disc Sw	100%			2051	**	5			
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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	\$27,000	1		
	Conduit	25%			2057	* *	1		
Panelboards									
	Molded Case Bkrs	100%			2053	* *	5	\$200	
Wiring									
	Thermoplastic	100%			2057	* *	1		
Motor Controllers									
	Locally Mounted	100%			2048	* *	5		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2048	* *	1	\$1,900	
	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	\$2,600	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	\$16,000			
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

Mechanical		Current Repair		Future 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	\$300	
				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									
	Convactor/Radiator	95%			2036	* *	1	\$1,900	
	Unit Heater - Hot Water	5%			2031	\$1,800			
Air Conditioning									
Energy Source									
	Electricity	100%			2047	* *	1		
Conversion Equipment									
	Window/Wall Unit	80%			2026	\$18,100	1		
	No Component	20%							
Ventilation									
Exhaust Fans									
	Roof	70%			2036	* *	2	\$100	
				Other Observation, Extent : Light, Area Affected : 100%					
				Location : Roof					
				Explanation : Exhaust Fans Installed In 2016.					
	Wall Unit	30%			2026	\$800	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 With Tanks									
	Gas Fired	100%			2030	\$16,700	2		
				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%			2025	\$100	4	\$100	
	Submersible	50%			2025	\$100	4	\$100	
Backflow Preventer									
	No Component	95%							
	Generic	5%			2036	* *	1		

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 158
Asset # : 13088

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing	Fixtures								
	Generic	100%							
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Throughout							
		Explanation : 2017 Installation Of Bathroom Fixtures.							
Fire Suppression	Chemical System								
	Wet	10%			2026	\$1,600	1-3	\$8,300	
		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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 159
Address : 1592 RICHMOND ROAD
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.159 / 13089 **Yr Built/Renovated** : 1930 /
Area Sq Ft : 6,220 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Oct-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3306 **Lot** : 8 **BIN** : 5048682

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$77,400	
Interior Architecture	\$700,800	\$82,400
Electrical		\$63,500
Total	\$778,200	\$145,900
Importance Code A	\$77,400	\$63,500
Importance Code B	\$700,800	\$82,400
Total	\$778,200	\$145,900

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$9,000	\$4,000		\$200
Interior Architecture	\$37,900	\$800	\$300	\$400
Electrical	\$200	\$300	\$300	\$14,100
Mechanical	\$21,000	\$5,200	\$5,100	\$9,800
Site Pavements	\$1,800			
Total	\$70,000	\$10,300	\$5,700	\$24,500
Importance Code A	\$9,600	\$4,600	\$600	\$900
Importance Code B	\$30,500	\$5,600	\$4,800	\$23,600
Importance Code C	\$29,800		\$300	
Total	\$70,000	\$10,300	\$5,700	\$24,500



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. 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	\$77,400	LIFE	* *	5	\$19,300	
	Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
	Location : Throughout								
	Painted Surfaces, Extent : Light, Area Affected : 20%								
	Location : Rear Yard Facade								
	Masonry: Granite	3%			LIFE	* *	5	\$600	
	Masonry: Limestone	7%			LIFE	* *	5	\$1,300	
	Metal Sect. OHD	10%			2046	* *	5	\$8,000	
	Stucco Cement	5%	Now	\$7,100	2038	* *	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%			2049	* *	5	\$2,500	
Parapets									
	Masonry: Brick	95%			LIFE	* *	5	\$2,400	
	Painted Surfaces, Extent : Light, Area Affected : 100%								
	Location : Roof Side Of Parapet Walls								
	Metal Panel	5%			2043	* *	5	\$500	
Roof									
	Modified Bitumen	95%	4+	\$1,900	2041	* *			
	Recent Installation, Extent : N/A, Area Affected : 100%								
	Location : Main Roof								
	Water Penetration, Extent : Light, Area Affected : 2%								
	Location : Kitchen Area								
	Skylight, Metal/Glass	5%			2043	* *	10	\$1,600	
Interior									
Floors									
	Cast in Place Concrete	50%	Now	\$422,900	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%			2046	* *	5	\$1,500	
	Terrazzo	10%			LIFE	* *	5	\$800	
	Vinyl Tile	30%	4+	\$8,200	2033	\$82,400	3	\$1,100	
	Worn/Eroded, Extent : Moderate, Area Affected : 100%								
	Location : Multiple Locations Throughout The 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. 159****Asset # : 13089**

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

Interior

Interior Walls

Ceramic Tile	4%			2042	**	5	\$600
Gypsum Board	5%			LIFE	**	5	\$500
Masonry: Brick	30%			LIFE	**		
Marble Panels	6%			LIFE	**		
Plaster	25%	Now	\$28,000	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	**		
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Ceilings

AcousTileSusp.Lay-In	10%	0-2	\$1,700	2038	**	5	\$500
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*Staining/Discoloring, Extent : Light, Area Affected : 10%**Location : Kitchen**Water Penetration, Extent : Light, Area Affected : 15%**Location : 2nd Floor Steam Pipe Penetration*

Exposed Struc: Concrete	30%	Now	\$223,500	LIFE	**	5	\$500
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*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	\$54,400	LIFE	**	5	\$3,800
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*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%			2053	**		
Iron Picket	5%			2053	**		

Free Standing Walls

Masonry: Brick	100%			2043	**		
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Retaining Walls

Cast in Place Concrete	100%			2053	**		
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Site Pavements

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. 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	

Site Pavements

Public Sidewalk

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

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

Cast in Place Concrete	100%	4+	\$1,800	2046		* *			
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 2%**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%			2033	\$63,500		5	\$200	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 200 Ampere Main Disconnect Switch*

Raceway

Conduit	100%			2033	\$36,000		1		
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Panelboards

Fused Disc Sw	5%			2032	\$2,400		5		
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Molded Case Bkrs	95%			2032	\$46,000		5	\$200	
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Wiring

Thermoplastic	100%			2033	\$32,500		1		
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Motor Controllers

Locally Mounted	100%			2031	\$17,800		5		
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Ground

Grounding Devices

Generic	100%			LIFE		* *	5	\$100	
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Lighting

Interior Lighting

LED	100%			2041		* *			
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Egress Lighting

Emergency, Battery	60%			2028	\$6,100		10	\$900	
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Exit, Service	40%			2028	\$1,000		1		
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Exterior Lighting

HID	20%			2028	\$5,700		10		
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No Component	80%								
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Alarm

Security System

Generic	100%			2038		* *	1	\$2,300	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Exterior**Explanation : Surveillance Cameras System*

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

Maintenance \$ are aggregated over a ten-year period. Site specific 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

Mechanical		Current Repair			Future 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%			2053	**	1			
Conversion Equipment									
Steam Boiler	100%			2046	**	1	\$6,200		
Distribution									
Central Plant Steam Piping/Pmp	10%			2059	**	4			
	Other Observation, Extent : Light, Area Affected : 10% Location : Cellar Mechanical Area Explanation : Recently Installed With New Boiler								
Central Plant Steam Piping/Pmp	90%			2043	**	4	\$300		
Terminal Devices									
Convactor/Radiator	100%			2046	**	1	\$2,000		
Air Conditioning									
Energy Source									
Electricity	100%			2049	**	1			
Conversion Equipment									
Window/Wall Unit	60%	0-2	\$1,400	2031	\$13,800	1			
	Malfunctioning, Extent : Moderate, Area Affected : 10% Location : Various Locations. 10 Percent Of The Window, Wall Unit Is Not Working								
No Component	40%								
Ventilation									
Exhaust Fans									
Interior	100%			2038	**	2	\$200		
Plumbing									
H/C Water Piping									
Brass/Copper	30%			2053	**	1			
	Other Observation, Extent : Light, Area Affected : 10% Location : Cellar Mechanical Area Explanation : Installed With New Water Heater								
Galvanized Steel	70%			2046	**	1			
Water Heater With Tanks									
Gas Fired	100%			2031	\$16,700	2			
Sanitary Piping									
Cast Iron	90%			LIFE	**	1			
Cast Iron	10%	0-2	\$7,700	LIFE	**	1			
	Corroded, Extent : Severe, Area Affected : 10% Location : Cellar								
Storm Drain Piping									
Cast Iron	100%	0-2	\$2,100	LIFE	**	1			
	Blockage /Clogged, Extent : Moderate, Area Affected : 50% Location : Clogged Drains In Basement. Occasional Sewage Backups								
Sump Pump(s)									
Submersible	100%			2026	\$200	4	\$200		

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

FIRE DEPARTMENT - 057
ENGINE CO. 159
Asset # : 13089

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	Fixtures								
	Generic	100%							
Fire Suppression									
	Sprinkler								
	No Component	90%							
	Generic	10%			2053	* *	1-2	\$200	
	Chemical System								
	Generic	100%			2031	\$12,000	1-3	\$60,700	
	Other Observation, Extent : Moderate, Area Affected : 10%								
	Location : Kitchen								
	Explanation : Kitchen Fire Suppression System Covers 15 Square Feet (3x5).								

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Electrical		\$63,500
Total		\$63,500
Importance Code B		\$63,500
Total		\$63,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$12,400	\$11,700	\$200	
Interior Architecture	\$9,400		\$500	
Electrical	\$100	\$31,300		
Mechanical	\$9,400	\$4,200	\$1,300	\$2,000
Total	\$31,300	\$47,300	\$2,000	\$2,000
Importance Code A	\$19,300	\$12,100	\$600	\$300
Importance Code B	\$11,400	\$35,200	\$1,500	\$1,700
Importance Code C	\$600			
Total	\$31,300	\$47,300	\$2,000	\$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. 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	\$14,500	
	Metal Sect. OHD	10%			2044	**	5	\$5,600	
	Marble Panels	10%	4+	\$12,400	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	\$2,500	
Interior									
Floors									
	Cast in Place Concrete	50%	4+	\$8,600	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 : N/A, Area Affected : 100%									
Location : 2nd Floor									
Interior Walls									
	Ceramic Tile	10%			2040	**	5	\$1,100	
	Concrete Masonry Unit	10%			LIFE	**	5	\$500	
	Plaster	40%			LIFE	**	5	\$1,400	
	SGFT/Glazed Masonry	40%			LIFE	**			
Ceilings									
	Exposed Struc: Concrete	75%			LIFE	**	5	\$1,200	
	Plaster	25%			LIFE	**	5	\$1,600	
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	\$14,700	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : One 400 Ampere Main Disconnect Switch									
	Switchgear / Switchboard								
	Fused Disc Sw	100%			2031	\$63,500	5		
	Raceway								
	Conduit	95%			2031	\$34,200	1		
	Conduit	5%			2051	* *	1		
	Panelboards								
	Fused Disc Sw	5%			2030	\$2,400	5		
	Molded Case Bkrs	85%			2030	\$41,200	5	\$200	
	Molded Case Bkrs	10%			2047	* *	5		
	Wiring								
	Thermoplastic	95%			2031	\$30,900	1		
	Thermoplastic	5%			2051	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2029	\$17,800	5		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Lighting									
	Interior Lighting								
	LED	100%			2036	* *			
	Egress Lighting								
	Emergency, Battery	50%			2036	* *	10	\$800	
	Exit, LED	50%			2046	* *	1		
	Exterior Lighting								
	HID	100%			2026	\$30,400	10		

Mechanical		Current Repair			Future Replacement		Maintenance		
System	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	\$6,900	2036	* *	1	\$3,000	
Leak Evident, Extent : Moderate, Area Affected : 100%									
Location : Basement. Leaking Observed Under Boiler Due To Internal Piping 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.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 16
Asset # : 13012

Mechanical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
Distribution									
	Hot Wtr Piping/Pump	100%			2047	* *	4	\$300	
Terminal Devices									
	Convactor/Radiator	90%			2044	* *	1	\$1,900	
	Unit Heater - Steam	10%			2031	\$3,700	4	\$100	
Air Conditioning									
Energy Source									
	Electricity	100%			2047	* *	1		
Conversion Equipment									
	Interior Pkg Unit - Cooling	20%			2032	\$20,600	2	\$100	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Locker Room									
Explanation : 1 Unit Serving Locker Room And Bunker Room									
	Window/Wall Unit	75%			2029	\$18,500	1		
	Window/Wall Unit	5%	0-2	\$500	2026	\$1,200	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	\$400	
	No Component	90%							
Exhaust Fans									
	Interior	60%			2036	* *	2	\$100	
	Roof	40%	0-2	\$1,000	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 With Tanks									
	Gas Fired	100%			2029	\$16,700	2		
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Basement									
Explanation : 2 Units 74 Gallon With Pump									

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 16
Asset # : 13012

Mechanical		Current Repair		Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	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%		2025	\$200	4	\$200	
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Wet	10%		2029	\$1,600	1-3	\$8,300	
	No Component	90%						

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 160/ RESCUE 5
Address : 1850 CLOVE ROAD @ TARGEE ST.
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.160 / 13090 **Yr Built/Renovated** : 1913 / 2006
Area Sq Ft : 8,077 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Oct-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3153 **Lot** : 38 **BIN** : 5046179

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$538,000	
Electrical		\$63,500
Mechanical	\$221,800	
Total	\$759,900	\$63,500
Importance Code B	\$691,500	\$63,500
Importance Code C	\$68,300	
Total	\$759,900	\$63,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$15,700	\$6,800		\$8,300
Interior Architecture	\$14,700	\$800	\$900	\$800
Electrical	\$900	\$3,400	\$1,000	\$7,700
Mechanical	\$12,900	\$5,300	\$5,600	\$10,200
Site Enclosure	\$6,200			
Site Pavements	\$2,500			
Total	\$52,800	\$16,300	\$7,500	\$26,900
Importance Code A	\$16,500	\$7,600	\$800	\$9,100
Importance Code B	\$27,600	\$8,700	\$5,700	\$17,800
Importance Code C	\$8,700		\$900	
Total	\$52,800	\$16,300	\$7,500	\$26,900



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

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

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

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

Architecture		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Alum/Vinyl Siding	10%			2053	**	10	\$900	
Masonry: Brick	70%			LIFE	**	5	\$20,400	
Masonry: Granite	3%			LIFE	**	5	\$700	
Masonry: Limestone	8%			LIFE	**	5	\$1,700	
Metal Panel	2%			2043	**	5-10	\$4,000	
Metal Sect. OHD	7%			2038	**	5	\$6,400	
Windows								
Aluminum	100%	Now	\$7,300	2049	**	5	\$1,600	
Weather Strip Missing, Extent : Severe, Area Affected : 15%								
Location : Throughout								
Other Observation, Extent : Moderate, Area Affected : 2%								
Location : 2nd Floor								
Explanation : Missing Insect Screens								
Parapets								
Cast Stone/Terra Cotta	20%	Now	\$5,500	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%			2046	**	5-10	\$11,200	
Roof								
Asphalt Shingle	10%			2042	**	10	\$200	
Built-Up (BUR)	50%	0-2	\$2,900	2038	**			
Blisters, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Modified Bitumen	40%			2038	**	10	\$4,000	
Soffits								
Alum/Vinyl Siding	60%			2053	**	10		
Masonry: Limestone	40%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$11,700	
Ceramic Tile	7%	0-2	\$1,000	2036	**	5	\$500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%								
Location : 1st Floor Apparatus Area								
Quarry Tile	8%			2046	**	5	\$1,600	
Vinyl Tile 9" X 9"	45%	Now	\$469,700	2043	**	3	\$2,300	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : 2nd Floor								
Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
Location : 2nd Floor								
Patching Evident, Extent : Severe, Area Affected : 10%								
Location : Throughout								
Uneven Substrate, Extent : Severe, 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%			2042	* *	5	\$1,800	
	Gypsum Board	23%			LIFE	* *	5	\$2,500	
	Masonry: Brick	40%	Now	\$68,300	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	
	Wood	2%			LIFE	* *	5	\$1,500	
Ceilings									
	AcousTileSusp.Lay-In	40%	Now	\$1,700	2046	* *	5	\$2,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%									
Location : 3rd Floor Ceiling, Multiple Locations									
Water Penetration, Extent : Severe, Area Affected : 2%									
Location : 2nd Floor Engine Office									
	Exposed Struc: Steel	20%			LIFE	* *			
	Gypsum Board	10%			LIFE	* *	5	\$1,700	
	Plaster	30%	Now	\$11,900	LIFE	* *	5	\$2,500	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%									
Location : Bunkroom And Throughout									
Water Penetration, Extent : Severe, Area Affected : 5%									
Location : 2nd Floor Office, Bunkroom And Throughout									
Worn/Eroded, Extent : Severe, Area Affected : 20%									
Location : Throughout 2nd Floor									
Site Enclosure									
Fence/Gates									
	Chain Link	100%			2053	* *			
Free Standing Walls									
	Masonry: Brick	100%	Now	\$6,200	2043	* *			
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	\$2,500	2046	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 20%									
Location : Rear Yard									
Parking/Driveway									
	Cast in Place Concrete	100%			2046	* *			

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

FIRE DEPARTMENT - 057
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%			2033	\$14,700	5		
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Basement						
			Explanation : Two 200 Ampere Main Disconnect Switches						
	Switchgear / Switchboard								
	Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
	Raceway								
	Conduit	100%			2033	\$36,000	1		
	Panelboards								
	Fused Disc Sw	5%			2032	\$2,400	5		
	Molded Case Bkrs	95%			2032	\$46,000	5	\$200	
	Wiring								
	Thermoplastic	100%			2033	\$32,500	1		
	Motor Controllers								
	Locally Mounted	100%			2031	\$17,800	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2038	* *	1	\$2,500	
	Generators								
	Diesel	100%			2036	* *	1	\$3,100	
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Basement						
			Explanation : One 83 Kilovolt Ampere						
	Batteries								
	Lead/Acid	100%			2026	\$2,400	5	\$300	
	Fuel Storage								
	Day Tank	100%			2041	* *	5		
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Basement						
			Explanation : One 75 Gallons						
Lighting									
	Interior Lighting								
	Fluorescent	5%			2033	\$3,400	10	\$400	
			T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%						
			Location : Throughout The Building						
	Incandescent	5%			2028	\$4,900	2		
	LED	90%			2041	* *			
	Egress Lighting								
	Emergency, Service	50%			2033	\$2,400	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.

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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	

Lighting

Exterior Lighting

HID	5%			2028	\$1,800	10			
LED	15%			2041	* *				
No Component	80%								

Alarm

Security System

Generic	100%			2038	* *	1		\$3,000	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Exterior

Explanation : Surveillance Cameras System

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

Heating

Energy Source

Natural Gas	100%			2053	* *	1			
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Conversion Equipment

Steam Boiler	100%			2038	* *	1		\$8,000	
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Distribution

Central Plant Steam Piping/Pmp	100%	0-2	\$221,800	2063	* *	4		\$400	
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Controller Not Working, Extent : Severe, Area Affected : 100%

Location : Various. Defective Temperature Control System

Terminal Devices

Convactor/Radiator	100%			2046	* *	1		\$2,600	
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Air Conditioning

Energy Source

Electricity	100%			2049	* *	1			
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Conversion Equipment

Window/Wall Unit	60%			2031	\$17,900	1			
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No Component	40%								
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Ventilation

Distribution

Ductwork/Diffusers	50%			LIFE	* *	2-5		\$2,300	
No Component	50%								

Exhaust Fans

Roof	50%			2038	* *	2		\$100	
Wall Unit	50%			2038	* *	2		\$100	

Plumbing

H/C Water Piping

Brass/Copper	20%			2053	* *	1			
Galvanized Steel	80%			2046	* *	1			

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

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

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	Water Heater With Tanks								
	Gas Fired	100%			2031	\$33,400	2		
				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%	0-2	\$2,800	LIFE	* *	1		
				Blockage /Clogged, Extent : Moderate, Area Affected : 10%					
				Location : Basement. Clogged Drain					
	Backflow Preventer								
	Generic	100%			2038	* *	1	\$500	
Fire Suppression									
	Sprinkler								
	No Component	90%							
	Generic	10%			2059	* *	1-2	\$200	
	Chemical System								
	Generic	100%			2031	\$12,000	1-3	\$60,700	
				Other Observation, Extent : Light, Area Affected : 100%					
				Location : Kitchen Fire Suppression					
				Explanation : Kitchen Fire Suppression System Covers 15 Square Feet (3x5)					

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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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 161
Address : 278 McCLEAN AVENUE
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.161 / 13091 **Yr Built/Renovated** : 1931 /
Area Sq Ft : 6,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 23-Feb-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3108 **Lot** : 25 **BIN** : 5045654

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$393,000	
Interior Architecture	\$1,140,200	\$84,800
Total	\$1,533,200	\$84,800
Importance Code A	\$393,000	
Importance Code B	\$1,030,200	\$84,800
Importance Code C	\$110,000	
Total	\$1,533,200	\$84,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$72,300			\$5,000
Interior Architecture	\$63,400		\$600	\$1,700
Electrical	\$200	\$300	\$300	\$400
Mechanical	\$59,400	\$9,000	\$9,200	\$46,800
Site Enclosure	\$17,100			
Total	\$212,500	\$9,300	\$10,100	\$54,000
Importance Code A	\$72,900	\$600	\$600	\$5,600
Importance Code B	\$103,200	\$8,700	\$8,900	\$48,300
Importance Code C	\$36,400		\$600	
Total	\$212,500	\$9,300	\$10,100	\$54,000



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 Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057**ENGINE CO. 161****Asset # : 13091**

Architecture		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior									
Exterior Walls									
	Alum/Vinyl Siding	5%			2053	**	10	\$400	
	Masonry: Brick	65%	Now	\$131,500	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, Bulkhead Sidewalls								
	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, Bulkheads								
	Masonry: Granite	5%	0-2	\$4,800	LIFE	**	5	\$900	
	Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
	Location : McClean Avenue Elevation								
	Masonry: Limestone	10%	0-2	\$9,700	LIFE	**	5	\$1,900	
	Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 75%								
	Location : Front Facade								
	Stucco Cement	7%	Now	\$97,400	2053	**	5	\$2,200	
	Cracking/Crumbling, Extent : Severe, Area Affected : 50%								
	Location : Hose Tower								
	Diagonal Cracks, Extent : Severe, Area Affected : 25%								
	Location : Hose Tower Down To 2nd Floor								
	Water Penetration, Extent : Severe, Area Affected : 10%								
	Location : Hose Tower								
	Wood Overhead Doors	8%			2038	**	5	\$10,100	
Windows									
	Aluminum	100%	0-2	\$86,400	2058	**	5	\$900	
	Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 15%								
	Location : Throughout								
Parapets									
	Cast Stone/Terra Cotta	15%	Now	\$14,900	LIFE	**	5	\$2,200	
	Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 50%								
	Location : All Parapet Elevations								
	Worn/Eroded, Extent : Severe, Area Affected : 60%								
	Location : Copings								
	Masonry: Brick	85%	Now	\$19,600	LIFE	**	5	\$1,600	
	Diagonal Cracks, Extent : Severe, Area Affected : 10%								
	Location : Throughout								
	Spalling, Extent : Severe, 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%			2042	* *	10	\$300	
	Built-Up (BUR)	80%	Now	\$23,300	2028	\$77,800			
	Alligatoring, Extent : Moderate, Area Affected : 10%								
	Location : Throughout								
	Blisters, Extent : Severe, Area Affected : 20%								
	Location : Throughout								
	Debris on Roof, Extent : Severe, Area Affected : 20%								
	Location : Throughout Roof								
	Grvl/Blst Miss/Disp, Extent : Severe, Area Affected : 20%								
	Location : Throughout								
	Miss/Damaged Flashings, Extent : Severe, Area Affected : 33%								
	Location : Throughout								
Soffits									
	Alum/Vinyl Siding	100%			2053	* *	10		
Interior									
	Floors								
	Cast in Place Concrete	50%	Now	\$373,000	LIFE	* *	5	\$9,800	
	Cracking/Crumbling, Extent : Severe, 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%			2038	* *	5	\$1,300	
	Terrazzo	5%			LIFE	* *	5	\$400	
	Vinyl Tile	35%	Now	\$25,400	2033	\$84,800	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	\$110,000	LIFE	**			
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : Throughout Basement								
	Water Penetration, Extent : Moderate, Area Affected : 5%								
	Location : Throughout Basement								
	Ceramic Tile	10%			2042	**	5	\$1,200	
	Gypsum Board	5%	Now	\$1,700	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	\$17,600	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%			2038	**	5	\$1,300	
	Staining/Discoloring, Extent : Moderate, Area Affected : 15%								
	Location : Throughout 2nd Floor								
	Exposed Struc: Concrete	50%	Now	\$657,100	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	\$18,700	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	\$17,100	2053	**			
	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.

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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. 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%		2046	* *
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On-Site Walkways

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

Cast in Place Concrete	100%		2046	* *
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Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%		2033	\$14,700	5
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*Enclosure Corroded, Extent : Moderate, Area Affected : 100%**Location : Basement**Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 200 Ampere Main Disconnect Switch*

Raceway

Conduit	100%		2033	\$36,000	1
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Panelboards

Fused Disc Sw	5%		2032	\$2,400	5
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Molded Case Bkrs	95%		2032	\$46,000	5	\$200
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Wiring

Thermoplastic	100%		2033	\$32,500	1
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Motor Controllers

Locally Mounted	100%		2031	\$17,800	5
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Ground

Grounding Devices

Generic	100%		LIFE	* *	5	\$100
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Lighting

Interior Lighting

LED	70%		2038	* *
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LED	30%		2041	* *
-----	-----	--	------	-----

Egress Lighting

Emergency, Service	50%		2041	* *	1
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Exit, Battery	50%		2038	* *	10	\$200
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Exterior Lighting

LED	20%		2041	* *
-----	-----	--	------	-----

No Component	80%			
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Lightning Protection

Arresters/Cabling

Generic	100%		2036	* *	5	\$100
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Alarm

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

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FIRE DEPARTMENT - 057**ENGINE CO. 161****Asset # : 13091**

Electrical		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

Generic

100%

2041

* *

1

\$2,200

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Exterior**Explanation : Cameras Security System*

Mechanical		Current Repair		Future Replacement		Maintenance		
System 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%

2046

* *

1

\$5,900

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 1 Unit*

Distribution

Central Plant Steam

100%

0-2

\$8,200

2053

* *

4

\$300

Piping/Pmp

*Leak Evident, Extent : Moderate, Area Affected : 5%**Location : Steam Leaking In Basement*

Terminal Devices

Convactor/Radiator

100%

2038

* *

1

\$1,900

Air Conditioning

Energy Source

Electricity

100%

2055

* *

1

Conversion Equipment

Split Unit

20%

0-2

\$27,800

2043

* *

*Malfunctioning, Extent : Moderate, Area Affected : 100%**Location : Kitchen Split Unit Is Not Working*

Window/Wall Unit

60%

2031

\$13,300

1

No Component

20%

Ventilation

Exhaust Fans

Interior

90%

2028

\$23,400

2

\$200

Roof

10%

2038

* *

2

Plumbing

H/C Water Piping

Brass/Copper

20%

2053

* *

1

Galvanized Steel

80%

2038

* *

1

Water Heater With Tanks

Gas Fired

100%

2031

\$16,700

2

*Other Observation, Extent : Light, Area Affected : 100%**Location : Cellar**Explanation : One 75 Gallon Heater**Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.**Estimates are rounded to the nearest hundred dollars.**Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.**** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 161
Asset # : 13091

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%			2027	\$200	4	\$100	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Wet	100%			2031	\$23,900	1-3	\$139,300	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Kitchen								
	Explanation : 1 Set Over Range 30 Square Feet								

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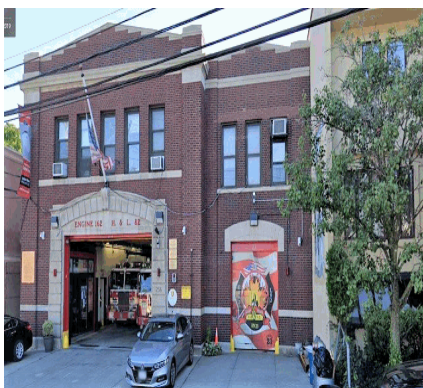
Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 162/ LADDER CO. 82/ BATTALION 23
Address : 256 NELSON AVENUE
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.162 / 13092 **Yr Built/Renovated** : 1928 /
Area Sq Ft : 8,429 **Project Type** : FIRE DEPARTMENT
Date of Survey : 23-Dec-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5271 **Lot** : 31 **BIN** : 5067428

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$197,100	
Electrical		\$127,900
Total	\$197,100	\$127,900
Importance Code A		\$63,500
Importance Code B	\$197,100	\$64,400
Total	\$197,100	\$127,900

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$8,400	\$4,400		
Interior Architecture	\$23,000	\$1,100		\$800
Electrical	\$600	\$600	\$3,200	\$16,800
Mechanical	\$31,000	\$6,800	\$6,900	\$55,400
Site Pavements	\$5,800			
Total	\$68,800	\$12,900	\$10,100	\$73,000
Importance Code A	\$9,300	\$5,200	\$800	\$900
Importance Code B	\$47,400	\$7,300	\$9,300	\$72,000
Importance Code C	\$12,200	\$400		
Total	\$68,800	\$12,900	\$10,100	\$73,000



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. 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	\$2,500	2053	**			
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : Throughout Back Room								
Masonry: Brick	75%			LIFE	**	5	\$19,500	
Masonry: Granite	5%			LIFE	**	5	\$1,000	
Masonry: Limestone	5%			LIFE	**	5	\$1,000	
Metal Sect. OHD	10%			2046	**	5	\$8,100	
Deformed/Dented, Extent : Moderate, Area Affected : 20%								
Location : Door Track Damaged								
Windows								
Aluminum	100%	Now	\$5,900	2041	**	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	
Masonry: Limestone	20%			LIFE	**	5	\$700	
Roof								
Asphalt Shingle	15%			2036	**	10	\$300	
Modified Bitumen	85%			2043	**	10	\$10,800	
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$104,800	LIFE	**	5	\$13,800	
Recent Repair Evident, Extent : N/A, Area Affected : 20%								
Location : Apparatus Floor								
Ceramic Tile	5%	4+	\$3,500	2042	**	5	\$300	
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : Toilet Rooms								
Quarry Tile	5%			2038	**	5	\$900	
Vinyl Tile	40%			2038	**	3	\$1,900	
Interior Walls								
Cast in Place Concrete	10%	4+	\$6,400	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%			2036	**	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	**			

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Estimates are rounded to the nearest hundred dollars.
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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								
Ceilings								
AcousTileSusp.Lay-In	5%			2038	* *	5	\$600	
			Staining/Discoloring, Extent : Light, Area Affected : 5%					
			Location : Kitchen					
Exposed Struc: Concrete	25%	Now	\$92,300	LIFE	* *	5	\$500	
			Cracking/Crumbling, Extent : Moderate, Area Affected : 15%					
			Location : Exercise Room					
			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 Which Needs To Be Replaced					
Plaster	70%	Now	\$13,100	LIFE	* *	5	\$5,500	
			Broken/Missing Elements, Extent : Moderate, Area Affected : 10%					
			Location : Offices					
Site Enclosure								
Fence/Gates								
Chain Link	100%			2053	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	* *			
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$5,800	2046	* *			
			Cracking/Crumbling, Extent : Moderate, Area Affected : 10%					
			Location : Throughout Side And Rear Of Building					
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								
Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
			Other Observation, Extent : Light, Area Affected : 100%					
			Location : Basement					
			Explanation : One 400 Ampere Main Disconnect Switch					
Raceway								
Conduit	100%			2033	\$36,000	1		
Panelboards								
Fused Disc Sw	5%			2032	\$2,400	5		
Molded Case Bkrs	30%			2032	\$14,500	5	\$100	
Molded Case Bkrs	65%			2032	\$31,500	5	\$100	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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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
Under 600 Volts									
	Wiring								
	Thermoplastic	50%			2043	**	1		
	Thermoplastic	50%			2033	\$16,300	1		
Motor Controllers									
	Locally Mounted	100%			2031	\$17,800	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%			LIFE	**	5	\$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 Kilowatts, 75 Kilovolt Amperes								
Batteries									
	Lead/Acid	100%			2027	\$2,400	5	\$300	
Fuel Storage									
	Day Tank	30%			2049	**	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : One 109 Gallon Tank								
	Main Tank	70%			2036	**	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : One 550 Gallon Tank								
Lighting									
	Interior Lighting								
	Fluorescent	90%			2033	\$64,400	10	\$7,000	
	T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
	Location : Throughout The Building								
	Incandescent	4%			2028	\$4,100	2		
	LED	6%			2041	**			
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Kitchen								
	Explanation : LED Light								
Egress Lighting									
	Emergency, Service	50%			2028	\$2,500	1		
	Exit, Service	50%			2028	\$1,800	1		
Exterior Lighting									
	HID	20%			2028	\$7,700	10		
	No Component	80%							

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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
Heating									
	Energy Source								
	Natural Gas	100%			2053	**	1		
	Conversion Equipment								
	Steam Boiler	100%			2038	**	1	\$8,400	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
	<i>Location : Basement</i>								
	<i>Explanation : Low Pressure Steam</i>								
	Distribution								
	Central Plant Steam	100%	Now	\$11,600	2043	**	4	\$400	
	Piping/Pmp								
	<i>Controller Not Working, Extent : Severe, Area Affected : 10%</i>								
	<i>Location : Chief Office</i>								
	Terminal Devices								
	Convactor/Radiator	100%			2038	**	1	\$2,700	
Air Conditioning									
	Energy Source								
	Electricity	100%			2049	**	1		
	Conversion Equipment								
	Window/Wall Unit	70%	Now	\$2,200	2028	\$21,800	1		
	<i>Broken, Extent : Severe, Area Affected : 15%</i>								
	<i>Location : Bunker Room, Chief Office</i>								
	No Component	30%							
Ventilation									
	Exhaust Fans								
	Wall Unit	100%			2033	\$3,600	2	\$300	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2043	**	1		
	Water Heater With Tanks								
	Gas Fired	100%			2028	\$16,700	2		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
	<i>Location : Basement</i>								
	<i>Explanation : One 75 Gallon Unit And Hot Water For Kitchen</i>								
	Sanitary Piping								
	Cast Iron	100%			LIFE	**	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1		
	Sump Pump(s)								
	Submersible	100%	Now	\$100	2025	\$300	4	\$200	
	<i>Malfunctioning, Extent : Severe, Area Affected : 10%</i>								
	<i>Location : Basement</i>								
	Backflow Preventer								
	No Component	95%							
	Generic	5%			2038	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 162/ LADDER CO. 82/ BATTALION 23
Asset # : 13092

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Plumbing	Fixtures							
	Generic	100%						
			<i>Leaking Connections, Extent : Severe, Area Affected : 20%</i>					
			<i>Location : All Bathrooms</i>					
			<i>Other Observation, Extent : Severe, Area Affected : 20%</i>					
			<i>Location : Bathrooms</i>					
			<i>Explanation : Chrome Flushometer Connector Is Rusted</i>					
Fire Suppression	Chemical System							
	Wet	100%			2031	\$16,700	1-3	\$97,500
			<i>Other Observation, Extent : Light, Area Affected : 5%</i>					
			<i>Location : Kitchen</i>					
			<i>Explanation : Serves Cooking Area Only, 21 Square Feet.</i>					

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 163/ LADDER 83
Address : 875 JEWETT AVENUE
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.163 / 13093 **Yr Built/Renovated** : 1932 /
Area Sq Ft : 8,408 **Project Type** : FIRE DEPARTMENT
Date of Survey : 19-Nov-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Floors 1,2
Block : 377 **Lot** : 18 **BIN** : 5010816

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$110,500	
Electrical		\$63,500
Mechanical		\$67,200
Total	\$110,500	\$130,700
Importance Code B	\$110,500	\$130,700
Total	\$110,500	\$130,700

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$97,800			\$1,200
Interior Architecture	\$77,600	\$1,400	\$2,600	
Electrical	\$600	\$3,200	\$2,500	\$600
Mechanical	\$1,800	\$1,700	\$26,500	\$2,700
Site Enclosure	\$5,400			
Total	\$183,200	\$6,300	\$31,600	\$4,400
Importance Code A	\$98,700	\$800	\$900	\$2,000
Importance Code B	\$52,100	\$4,700	\$30,700	\$2,400
Importance Code C	\$32,500	\$800		
Total	\$183,200	\$6,300	\$31,600	\$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

Architecture		Current Repair		Future 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	\$31,000	LIFE	* *	5	\$19,300	
		Efflorescence, Extent : Moderate, Area Affected : 20%							
		Location : Front Facade Window Headers							
		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%			2045	* *	5	\$7,500	
Windows									
	Aluminum	100%			2048	* *	5	\$2,300	
Parapets									
	Cast Stone/Terra Cotta	15%	0-2	\$3,200	LIFE	* *	5	\$2,800	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 25%							
		Location : Perimeter At Various Location							
		Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%							
		Location : Lime Stone Coping							
	Masonry: Brick	85%	0-2	\$25,100	LIFE	* *	5	\$2,000	
		Miss/Damaged Flashings, Extent : Light, Area Affected : 10%							
		Location : Perimeter At Various Location							
		Other Observation, Extent : Moderate, Area Affected : 20%							
		Location : Front And Street Side Facades							
		Explanation : Stone Cornice Band Staining And Spalling							
Roof									
	Modified Bitumen	100%	0-2	\$34,800	2040	* *			
		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	\$47,500	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 : 60%							
		Location : Apparatus Room							
		Explanation : Structurally Insufficient. Temporary Shoring At Basement Level							
	Ceramic Tile	10%			2041	* *	5	\$1,100	
	Quarry Tile	5%	Now	\$2,100	2037	* *	5	\$400	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : Kitchen							
		Loose/Delam Surface, Extent : Moderate, Area Affected : 5%							
		Location : Kitchen							
	Sheet Vinyl/Rubber	30%			2037	* *	5	\$5,100	
	Terrazzo	5%			LIFE	* *	5	\$400	

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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%	Now	\$23,400	LIFE	* *			
	Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
	Location : Basement Stair								
	Efflorescence, Extent : Moderate, Area Affected : 20%								
	Location : Throghout Basement								
	Water Penetration, Extent : Moderate, Area Affected : 10%								
	Location : Weight Room, Basement								
	Ceramic Tile	10%			2041	* *	5	\$1,600	
	Concrete Masonry Unit	25%			LIFE	* *	5	\$1,600	
	Marble Panels	10%			LIFE	* *			
	Plaster	20%	0-2	\$3,700	LIFE	* *	5	\$900	
	Paint Peeling, Extent : Light, Area Affected : 10%								
	Location : Sleeping Area								
	SGFT/Glazed Masonry	25%			LIFE	* *			
Ceilings									
	AcousTileSusp.Lay-In	17%			2045	* *	5	\$1,900	
	Exposed Struc: Concrete	33%	Now	\$110,500	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. Temporary Shoring At Basement								
	Plaster	50%			LIFE	* *	5	\$3,600	
Site Enclosure									
Fence/Gates									
	Chain Link	75%	Now	\$4,000	2062	* *			
	Corrosion/Rusting, Extent : Moderate, Area Affected : 100%								
	Location : Throughout								
	Impact Damage, Extent : Light, Area Affected : 5%								
	Location : South Side								
	Iron Picket	25%	0-2	\$1,400	2067	* *			
	Corrosion/Rusting, Extent : Light, Area Affected : 20%								
	Location : Side Elevation On The Street Side								
Retaining Walls									
	Cast in Place Concrete	100%			2067	* *			
Site Pavements									
Public Sidewalk									
	Cast in Place Concrete	100%			2045	* *			
On-Site Walkways									
	Cast in Place Concrete	100%			2045	* *			

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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	

Site Pavements

Parking/Driveway

Cast in Place Concrete 100%

2045

* *

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

Under 600 Volts

Service Equipment

Fused Disc Sw

100%

2032

\$14,700

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 400 Ampere Main Disconnect Switch*

Switchgear / Switchboard

Molded Case Bkrs

100%

2032

\$63,500

5

\$200

Raceway

Conduit

100%

2032

\$36,000

1

Panelboards

Fused Disc Sw

5%

2031

\$2,400

5

Molded Case Bkrs

95%

2031

\$46,000

5

\$200

Wiring

Thermoplastic

100%

2032

\$32,500

1

Motor Controllers

Locally Mounted

100%

2030

\$17,800

5

\$100

Ground

Grounding Devices

Generic

100%

LIFE

* *

5

\$100

Stand-by Power

Transfer Switches

Automatic

100%

2045

* *

1

\$2,600

Generators

Diesel

100%

2041

* *

1

\$3,300

*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside The Building**Explanation : 60 Kilowatt*

Batteries

Lead/Acid

100%

2026

\$2,400

5

\$300

Fuel Storage

Day Tank

100%

2048

* *

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside The Building**Explanation : 125 Gallons Design Capacity And 112.5 Working Capacity*

Lighting

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

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting									
	Interior Lighting								
	Fluorescent	60%			2032	\$42,800	10	\$4,600	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Basement And 1st Floor							
	LED	40%			2040	* *			
Egress Lighting									
	Emergency, Service	50%			2040	* *	1		
	Exit, Service	50%			2027	\$1,800	1		
Exterior Lighting									
	LED	20%			2040	* *			
	No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Energy Source								
	Natural Gas	100%			2052	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2045	* *	1	\$8,300	
	Distribution								
	Steam Piping/Pump	100%			2042	* *			
	Terminal Devices								
	Convactor/Radiator	100%			2030	\$67,200	1	\$2,700	
				On Extended Life, Extent : Light, Area Affected : 100%					
				Location : Throughout The Building, Seventy Percentage Of All Radiators Are Original With The Building					
				Other Observation, Extent : Moderate, Area Affected : 50%					
				Location : Throughout					
				Explanation : Insufficient Heat, Radiators Are Not Properly Distributing Heat Due To Age, Deterioration, And Orientation.					
Air Conditioning									
	Energy Source								
	Electricity	100%			2048	* *	1		
	Conversion Equipment								
	Window/Wall Unit	80%			2027	\$24,900	1		
				Recent Installation, Extent : N/A, Area Affected : 50%					
				Location : Recently Replaced Some Window Air Conditions					
	No Component	20%							
Ventilation									
	Exhaust Fans								
	Roof	40%			2032	\$6,400	2	\$100	
	Wall Unit	60%			2032	\$2,100	2	\$200	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2042	* *	1		

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

Mechanical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	Water Heater With Tanks								
	Gas Fired	100%			2030	\$16,700	2		
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Basement						
			Explanation : Two 75 Gallon Unit						
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
			On Extended Life, Extent : Moderate, Area Affected : 80%						
			Location : Throughout, Twenty Percent Partially Repaired, Eighty Percent Sanitary Piping						
			Are On Extendent Life, Corroded And Original With The Building.						
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%			2025	\$300	4	\$300	
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Basement						
			Explanation : 1 Pump						
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Wet	10%	Now	\$300	2030	\$1,600	1-3	\$7,800	
			Other Observation, Extent : Severe, Area Affected : 10%						
			Location : Kitchen						
			Explanation : Chemical Fire Suppression Nozzle Has Removed From Kitchen Burners						
	No Component	90%							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 164/ LADDER CO. 84
Address : 1570 DRUMGOOLE ROAD W. @ ELLSWORTH AVE.
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.164 / 13094 **Yr Built/Renovated** : 1937 / 2003
Area Sq Ft : 5,504 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Nov-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Floors 1,2
Block : 6828 **Lot** : 65 **BIN** : 5083491

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$253,900	
Site Enclosure		\$72,600
Total	\$253,900	\$72,600
Importance Code C	\$253,900	\$72,600
Total	\$253,900	\$72,600

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$65,200		\$5,800	
Interior Architecture	\$87,100	\$200		\$300
Electrical	\$400	\$2,900	\$3,700	\$400
Mechanical	\$2,300	\$1,500	\$2,600	\$1,500
Site Enclosure	\$1,600			
Site Pavements	\$18,600			
Total	\$175,200	\$4,700	\$12,100	\$2,300
Importance Code A	\$65,700	\$500	\$6,300	\$500
Importance Code B	\$102,200	\$4,200	\$5,800	\$1,700
Importance Code C	\$7,200			
Total	\$175,200	\$4,700	\$12,100	\$2,300



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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	75%			LIFE	**	5	\$17,300	
	Masonry: Granite	5%			LIFE	**	5	\$900	
	Masonry: Limestone	10%			LIFE	**	5	\$1,700	
	Wood Overhead Doors	10%			2037	**	5	\$11,500	
Windows									
	Aluminum	100%	0-2	\$19,800	2048	**	5	\$1,100	
Caulking Deteriorated, Extent : Light, Area Affected : 20%									
Location : Rear And Front Facade									
Roof									
	Asphalt Shingle	100%	Now	\$11,200	2041	**			
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, Locker Room And Sleeping Area									
Worn/Eroded, Extent : Moderate, Area Affected : 25%									
Location : Throughout									
Soffits									
	Wood	100%	0-2	\$34,200	2037	**	5	\$6,700	
Deteriorated Finish, Extent : Moderate, Area Affected : 30%									
Location : Perimeter Soffits									
Interior									
Floors									
	Cast in Place Concrete	60%	Now	\$49,600	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. Temporary Shoring At Basement									
	Ceramic Tile	5%			2041	**	5	\$500	
	Quarry Tile	5%			2045	**	5	\$700	
	Terrazzo	5%			LIFE	**	5	\$400	
	Vinyl Tile	25%			2037	**	3	\$1,200	

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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								
Interior Walls								
Cast in Place Concrete	25%	Now	\$253,900	LIFE	* *			
	Cracking/Crumbling, Extent : Severe, Area Affected : 60%							
	Location : Throughout Basement Walls							
	Water Penetration, Extent : Moderate, Area Affected : 5%							
	Location : Basement							
Gypsum Board	5%			LIFE	* *	5	\$400	
	Water Penetration, Extent : Moderate, Area Affected : 20%							
	Location : Rear Of Gymnasium							
Plaster	35%	Now	\$5,700	LIFE	* *	5	\$1,400	
	Spalling, Extent : Moderate, Area Affected : 10%							
	Location : Sleeping Area And Locker Room							
SGFT/Glazed Masonry	35%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	15%	0-2	\$1,200	2045	* *	5	\$700	
	Staining/Discoloring, Extent : Light, Area Affected : 10%							
	Location : Kitchen Area							
Exposed Struc: Concrete	30%	Now	\$21,800	LIFE	* *	5	\$500	
	Cracking/Crumbling, Extent : Severe, Area Affected : 40%							
	Location : Throughout Basement							
	Exposed Reinforcement, Extent : Moderate, Area Affected : 5%							
	Location : Throughout							
	Spalling, Extent : Moderate, Area Affected : 20%							
	Location : Throughout							
Plaster	55%	Now	\$8,100	LIFE	* *	5	\$3,400	
	Spalling, Extent : Moderate, Area Affected : 20%							
	Location : Sleeping Area And Locker Room							
Site Enclosure								
Fence/Gates								
Chain Link	50%	Now	\$1,600	2042	* *			
	Corrosion/Rusting, Extent : Moderate, Area Affected : 30%							
	Location : Rear Fence							
	Impact Damage, Extent : Moderate, Area Affected : 10%							
	Location : Rear Gate And Fence							
Wood	50%			2033	\$72,600			
	Other Observation, Extent : Light, Area Affected : 100%							
	Location : Rear Yard							
	Explanation : Vinyl Fence							
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$18,600	2037	* *			
	Cracking/Crumbling, Extent : Moderate, Area Affected : 30%							
	Location : Curb Cut							
On-Site Walkways								
Cast in Place Concrete	100%			2045	* *			

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FIRE DEPARTMENT - 057
ENGINE CO. 164/ LADDER CO. 84
Asset # : 13094

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

Site Pavements

Parking/Driveway

Asphalt

100%

2041

* *

*Other Observation, Extent : Light, Area Affected : 100%**Location : Fire Department Parking Lot**Explanation : Located Across Street From Firehouse*

Activity Yard

Cast in Place Concrete

100%

2045

* *

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

Under 600 Volts

Service Equipment

Fused Disc Sw

100%

2032

\$14,700

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 200 Ampere Main Disconnect Switch*

Raceway

Conduit

95%

2032

\$34,200

1

Conduit

5%

2052

* *

1

Panelboards

Fused Disc Sw

4%

2031

\$1,900

5

Fused Disc Sw

1%

2048

* *

5

Molded Case Bkrs

35%

2031

\$17,000

5

\$100

Molded Case Bkrs

60%

2048

* *

5

\$100

Wiring

Thermoplastic

40%

2032

\$13,000

1

Thermoplastic

60%

2052

* *

1

Motor Controllers

Locally Mounted

100%

2030

\$17,800

5

Ground

Grounding Devices

Generic

100%

LIFE

* *

5

\$100

Stand-by Power

Transfer Switches

Automatic

100%

2045

* *

1

\$1,700

Generators

Diesel

100%

2041

* *

1

\$2,100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Generator Room Outside**Explanation : One 60 Kilowatts*

Batteries

Lead/Acid

100%

2026

\$2,400

5

\$200

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FIRE DEPARTMENT - 057
ENGINE CO. 164/ LADDER CO. 84
Asset # : 13094

Electrical		Current Repair			Future Replacement		Maintenance		
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%

2048

* *

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside The Building**Explanation : 130 Gallons*

Lighting

Interior Lighting

Incandescent

5%

2027

\$3,300

2

LED

95%

2040

* *

Egress Lighting

Emergency, Service

50%

2040

* *

1

Exit, LED

50%

2067

* *

1

Exterior Lighting

LED

20%

2037

* *

No Component

80%

Mechanical

System Component Type		% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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Heating

Energy Source

Natural Gas

100%

2058

* *

1

Conversion Equipment

Steam Boiler

100%

2037

* *

1

\$5,500

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 1 Natural Gas Fired Steam Boiler*

Distribution

Steam Piping/Pump

100%

2052

* *

Terminal Devices

Convactor/Radiator

100%

2037

* *

1

\$1,800

Air Conditioning

Energy Source

Electricity

100%

2054

* *

1

Conversion Equipment

Window/Wall Unit

40%

2030

\$8,100

1

No Component

60%

Ventilation

Distribution

Ductwork/Diffusers

10%

LIFE

* *

2-5

\$300

No Component

90%

Exhaust Fans

Interior

100%

2037

* *

2

\$200

Plumbing

H/C Water Piping

Brass/Copper

100%

2042

* *

1

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 164/ LADDER CO. 84
Asset # : 13094

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	Water Heater With Tanks								
	Gas Fired	100%			2030	\$16,700	2		
	Sanitary Piping								
	Cast Iron	90%			LIFE	* *	1		
	Cast Iron	10%	Now	\$100	LIFE	* *	1		
	Damaged, Extent : Severe, Area Affected : 10%								
	Location : Bathroom, Floor Drainage In Third Floor Bathroom Damaged And Patched.								
	Storm Drain Piping								
	Cast Iron	100%	Now	\$400	LIFE	* *	1		
	Leak Evident, Extent : Severe, Area Affected : 20%								
	Location : Basement: Storm Riser Is Leaking At Rear-end Of The Basement And Flooding Floor.								
	Sump Pump(s)								
	Submersible	100%			2025	\$200	4	\$200	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	85%							
	Generic	15%			2030	\$2,400	1-3	\$11,200	

*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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 165/ LADDER CO. 85
Address : 3067 RICHMOND ROAD
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.165 / 13095 **Yr Built/Renovated** : 1959 /
Area Sq Ft : 6,493 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Apr-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 949 **Lot** : 1 **BIN** : 5023532

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$408,400	\$56,500
Electrical		\$63,500
Total	\$408,400	\$120,000
Importance Code A	\$408,400	\$56,500
Importance Code B		\$63,500
Total	\$408,400	\$120,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$10,500		\$1,800	\$12,300
Interior Architecture	\$46,100		\$1,500	\$4,300
Electrical	\$200	\$300	\$300	\$400
Mechanical	\$27,600	\$600	\$500	\$700
Site Pavements	\$8,400			
Total	\$92,700	\$900	\$4,100	\$17,800
Importance Code A	\$10,800	\$300	\$2,100	\$12,600
Importance Code B	\$64,700	\$600	\$500	\$5,100
Importance Code C	\$17,200		\$1,500	
Total	\$92,700	\$900	\$4,100	\$17,800



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

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

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

FIRE DEPARTMENT - 057
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%			2053	**	10	\$300	
Masonry: Brick	65%	Now	\$408,400	LIFE	**	5	\$12,700	
Expansion Joint Failure, Extent : Moderate, Area Affected : 100%								
Location : All Relieving Angles								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 15%								
Location : Throughout								
Repointing Failure, Extent : Moderate, Area Affected : 20%								
Location : Upper Parapet Wall								
Vertical Cracks, Extent : Moderate, Area Affected : 2%								
Location : Front Facade At Corners								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Stair Tower, Main Stair Walls								
Other Observation, Extent : Severe, Area Affected : 50%								
Location : At Relieving Angle. Parking Lot								
Explanation : Missing Masonry Weeps								
Metal, Corrugated	15%			2033	\$56,500	1		
Other Observation, Extent : N/A, Area Affected : 100%								
Location : Addition For Hazmat Vehicle								
Explanation : Temporary Structure Of Metal Panels Over Scaffolding. Not To Code Or Local Law Regulations								
Metal Panel	5%			2043	**	5-10	\$6,700	
Deformed/Dented, Extent : Light, Area Affected : 5%								
Location : Front Facade								
Metal Sect. OHD	10%			2038	**	5	\$6,100	
Windows								
Aluminum	100%	Now	\$10,500	2041	**	5	\$1,100	
Cttrwt/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%			2042	**	10	\$200	
Modified Bitumen	70%			2038	**	10	\$7,400	
Blisters, Extent : Light, Area Affected : 2%								
Location : Main Roof								
Other Observation, Extent : N/A, Area Affected : 100%								
Location : Main Roof								
Explanation : New Roof Installed Over Existing Modified Roof								
Roll Roofing	20%			2032	\$13,500	5	\$3,500	
Other Observation, Extent : N/A, Area Affected : 100%								
Location : Roof Of Addition For Hazmat Vehicle								
Explanation : This Roofing Belongs To The 1 Story Temporary Corrugated Metal Structure								
Soffits								
Metal Panel	100%			2053	**	5-10		

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

Estimates are rounded to the nearest hundred dollars.

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

** 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
Interior									
Floors									
	Cast in Place Concrete	40%	0-2	\$7,200	LIFE	* *	5	\$9,500	
	Spalling, Extent : Moderate, Area Affected : 10% Location : Apparatus Floor								
	Ceramic Tile	20%	Now	\$12,000	2042	* *	5	\$1,100	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10% Location : Dining Area, Housewatch Area								
	Sheet Vinyl/Rubber	40%			2038	* *	5	\$6,500	
Interior Walls									
	Cast in Place Concrete	5%	Now	\$5,500	LIFE	* *			
	Water Penetration, Extent : Moderate, Area Affected : 10% Location : Cellar Foundation Wall								
	Ceramic Tile	20%			2042	* *	5	\$3,000	
	Concrete Masonry Unit	5%			LIFE	* *	5	\$300	
	Gypsum Board	10%	Now	\$1,000	LIFE	* *	5	\$900	
	Water Penetration, Extent : Severe, Area Affected : 10% Location : Basement Other Observation, Extent : Severe, Area Affected : 10% Location : Basement Explanation : Mold Growing								
	Plaster	30%	Now	\$10,700	LIFE	* *	5	\$1,300	
	Cracking/Crumbling, Extent : Severe, 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%			2038	* *	5	\$2,200	
	Exposed Struc: 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	\$9,700	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%			2053	* *			
	Wood	25%			2034				
	Other Observation, Extent : N/A, Area Affected : 100% Location : Throughout Explanation : Actually Vinyl Picket Fence								
Free Standing Walls									
	Cast in Place Concrete	100%			2068	* *			
Retaining Walls									
	Concrete Masonry Unit	100%			2053	* *			

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. 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 Pavements

Public Sidewalk

Cast in Place Concrete	100%	4+	\$8,400	2046	* *
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Cracking/Crumbling, Extent : Light, Area Affected : 5%

Location : Throughout Entrance Apron

On-Site Walkways

Cast in Place Concrete	70%			2046	* *
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Pavers/Stone	30%			2042	* *
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Parking/Driveway

Cast in Place Concrete	100%			2046	* *
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Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2033	\$14,700	5		
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement. Electric Closet

Explanation : One 200 Ampere Main Disconnect Switch

Switchgear / Switchboard

Molded Case Bkrs	100%			2033	\$63,500	5		\$200
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Raceway

Conduit	90%			2033	\$32,400	1		
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Conduit	10%			2053	* *	1		
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Panelboards

Fused Disc Sw	5%			2032	\$2,400	5		
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Molded Case Bkrs	30%			2032	\$14,500	5		\$100
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Molded Case Bkrs	65%			2049	* *	5		\$100
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Wiring

Thermoplastic	50%			2033	\$16,300	1		
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Thermoplastic	50%			2053	* *	1		
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Motor Controllers

Locally Mounted	100%			2031	\$17,800	5		
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Ground

Grounding Devices

Generic	100%			LIFE	* *	5		\$100
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Lighting

Interior Lighting

LED	100%			2041	* *			
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Egress Lighting

Exit, LED	50%			2068	* *	1		
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No Component	50%							
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Exterior Lighting

LED	20%			2041	* *			
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No Component	80%							
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Lightning Protection

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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

Lightning Protection
 Arresters/Cabling
 Generic

100% 2048 * * 5 \$100

Alarm

Security System
 Generic

100% 2041 * * 1 \$2,400

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

Location : Exterior

Explanation : Cameras Security 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% 2053 * * 1

Conversion Equipment
 Hot Water Boiler

100% 2046 * * 1 \$3,200

Distribution

Hot Wtr Piping/Pump
 Hot Wtr Piping/Pump

50% 2041 * * 4 \$200
 50% 0-2 \$300 2041 * * 4 \$200

Corroded, Extent : Severe, Area Affected : 50%

Location : Basement

Terminal Devices

Convactor/Radiator
 Unit Heater - Steam
 Unit Heater - Steam

70% 2038 * * 1 \$1,500
 10% 2038 * * 4 \$100
 20% 2038 * * 4 \$200

Air Conditioning

Energy Source
 Electricity

100% 2049 * * 1

Conversion Equipment
 Exterior Pkg Unit - Cooling

30% 2038 * * 2 \$100

Window/Wall Unit
 No Component

20% 2031 \$4,800 1
 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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*** 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

Mechanical		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%			2038	**	2	\$200	
	Wall Unit	10%	0-2	\$300	2043	**	2		
	Broken, Extent : Moderate, Area Affected : 100%								
	Location : Kitchen Exhaust								
	Other Observation, Extent : Light, Area Affected : 10%								
	Location : Exterior Wall								
	Explanation : Wall Mounted Hood Exhaust Fan								
Plumbing									
	H/C Water Piping								
	Brass/Copper	10%			2059	**	1		
	Galvanized Steel	90%			2046	**	1		
	Water Heater With Tanks								
	Gas Fired	100%			2032	\$16,700	2		
	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	\$24,000	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								
	Other Observation, Extent : Moderate, Area Affected : 100%								
	Location : Basement								
	Explanation : Occasional Sewage Backups In Basement								
	Storm Drain Piping								
	Cast Iron	90%			LIFE	**	1		
	Cast Iron	10%	0-2	\$2,200	LIFE	**	1		
	Blockage /Clogged, Extent : Severe, Area Affected : 10%								
	Location : Apparatus Floor Drain								
	Sump Pump(s)								
	Submersible	100%	Now	\$200	2028	\$200	4	\$100	
	Unit Inoperable, Extent : Severe, Area Affected : 30%								
	Location : Cellar								
	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 166/ LADDER CO. 86
Address : 1400 RICHMOND AVENUE
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.166 / 13096 **Yr Built/Renovated** : 1963 /
Area Sq Ft : 6,582 **Project Type** : FIRE DEPARTMENT
Date of Survey : 19-Nov-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1612 **Lot** : 5 **BIN** : 5031692

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$172,600	\$53,100
Electrical		\$63,500
Site Pavements	\$70,400	
Total	\$242,900	\$116,600
Importance Code A	\$172,600	\$53,100
Importance Code B		\$63,500
Importance Code C	\$70,400	
Total	\$242,900	\$116,600

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$38,000			
Interior Architecture	\$27,800	\$1,600		\$400
Electrical		\$100	\$7,100	
Mechanical	\$6,400	\$1,100	\$2,000	\$1,300
Site Enclosure	\$14,100			
Site Pavements	\$4,300			
Total	\$90,700	\$2,900	\$9,100	\$1,700
Importance Code A	\$38,300	\$300	\$300	\$300
Importance Code B	\$32,100	\$1,900	\$8,800	\$1,300
Importance Code C	\$20,300	\$700		
Total	\$90,700	\$2,900	\$9,100	\$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. 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	100%	0-2	\$75,700	LIFE	* *	5	\$18,800	
Staining/Discoloring, Extent : Moderate, Area Affected : 30%									
Location : All Facades									
Vertical Cracks, Extent : Moderate, Area Affected : 3%									
Location : Rear Right Side At 2nd Floor; Rear Facade From 1st Floor To Roof And Front Facade Near House Watch Office									
Windows									
	Aluminum	100%	Now	\$96,800	2057	* *	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 : 40%									
Location : Throughout									
Parapets									
	Masonry: Brick	85%	Now	\$4,800	LIFE	* *	5	\$1,900	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%									
Location : Throughout									
	Pre-Cast Concrete	15%	Now	\$1,400	LIFE	* *	5	\$2,100	
Caulking Deteriorated, Extent : Moderate, Area Affected : 20%									
Location : Lower And Upper Roof									
Roof									
	Roll Roofing	100%	Now	\$31,800	2034	\$53,100	5	\$7,000	1
Blisters, Extent : Moderate, Area Affected : 10%									
Location : Lower Roof									
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									

Interior

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

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

Architecture		Current Repair			Future Replacement		Maintenance		
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	\$6,500	LIFE	**	5	\$8,600		
	Water Penetration, Extent : Severe, Area Affected : 15%								
	Location : Ground Water At Cellar								
Ceramic Tile	20%			2041	**	5	\$2,000		
Quarry Tile	5%			2045	**	5	\$700		
Vinyl Tile	10%	Now	\$5,300	2032	\$26,600	3	\$400		
	Adhesion Failure, Extent : Moderate, Area Affected : 30%								
	Location : Locker Room And Sleeping Area								
	Worn/Eroded, Extent : Moderate, Area Affected : 30%								
	Location : Locker Room, Common Hall And Sleeping Area								
Vinyl Tile 9" X 9"	20%	Now	\$3,100	2037	**	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%			2060	**	5	\$900		
Interior Walls									
Ceramic Tile	10%			2041	**	5	\$1,300		
Concrete Masonry Unit	5%			LIFE	**	5	\$300		
Gypsum Board	10%	Now	\$1,800	LIFE	**	5	\$800		
	Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 20%								
	Location : Second Floor Various Location								
Plaster	30%			LIFE	**	5	\$1,200		
SGFT/Glazed Masonry	45%			LIFE	**				
Ceilings									
AcousTileSusp.Lay-In	30%			2045	**	5	\$3,000		
Gypsum Board	8%			LIFE	**	5	\$1,000		
Plaster	60%	Now	\$8,800	LIFE	**	5	\$3,700		
	Paint Peeling, Extent : Moderate, Area Affected : 20%								
	Location : Cellar								
	Water Penetration, Extent : Severe, Area Affected : 35%								
	Location : Dormitory								
Wood	2%			LIFE	**	5	\$1,700		
Site Enclosure									
Fence/Gates									
Chain Link	75%	Now	\$10,800	2042	**				
	Broken/Missing Elements, Extent : Moderate, Area Affected : 30%								
	Location : Throughout								
	Corrosion/Rusting, Extent : Moderate, Area Affected : 30%								
	Location : Throughout								
Wood	25%	Now	\$3,400	2030	\$33,600				
	Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
	Location : Rear Of Building								
	Dry Rot/Decay, 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. 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 Enclosure

Retaining Walls

Cast in Place Concrete	100%			2067		**			
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2045		**			
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On-Site Walkways

Asphalt

Asphalt	100%	Now	\$4,300	2047		**			
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Cracking/Crumbling, Extent : Moderate, Area Affected : 20%
Location : Throughout
Tripping Hazard, Extent : Severe, Area Affected : 40%
Location : Side And Rear Parking Area

Parking/Driveway

Asphalt

Asphalt	100%	Now	\$70,400	2047		**			
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Cracking/Crumbling, Extent : Moderate, Area Affected : 40%
Location : Side And Rear Yard
Potholes, Extent : Severe, Area Affected : 30%
Location : 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

Service Equipment

Fused Disc Sw

Fused Disc Sw	100%			2032		\$14,700	5		
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Other Observation, Extent : Light, Area Affected : 100%
Location : Basement
Explanation : One 400 Amperes

Switchgear / Switchboard

Molded Case Bkrs

Molded Case Bkrs	100%			2032		\$63,500	5	\$200	
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Raceway

Conduit

Conduit	90%			2032		\$32,400	1		
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Conduit

Conduit	10%			2032		\$3,600	1		
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Panelboards

Fused Disc Sw

Fused Disc Sw	5%			2031		\$2,400	5		
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Molded Case Bkrs

Molded Case Bkrs	85%			2031		\$41,200	5	\$100	
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Molded Case Bkrs

Molded Case Bkrs	10%			2031		\$4,800	5		
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Wiring

Thermoplastic

Thermoplastic	100%			2032		\$32,500	1		
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Motor Controllers

Locally Mounted

Locally Mounted	100%			2030		\$17,800	5		
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Ground

Grounding Devices

Generic

Generic	100%			LIFE		**	5	\$100	
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Lighting

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

Estimates are rounded to the nearest hundred dollars.

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

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

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

Electrical		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

55%
 2032 \$30,700 10 \$3,300
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%
Location : 2nd Floor

Incandescent
LED

5%
 2027 \$4,000 2
 40% 2037 * *

Exterior Lighting

HID

10% 2027 \$3,000 10

LED

10% 2042 * *

No Component

80%

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

Heating

Energy Source

Natural Gas

100% 2058 * * 1

Conversion Equipment

Hot Water Boiler

100% 2049 * * 1 \$3,300

Distribution

Hot Wtr Piping/Pump

100% 2048 * * 4 \$300

Terminal Devices

Convactor/Radiator

100% Now \$5,300 2037 * * 1 \$1,900
Broken, Extent : Moderate, Area Affected : 30%
Location : Throughout

Air Conditioning

Energy Source

Electricity

100% 2048 * * 1

Conversion Equipment

Window/Wall Unit

80% 2030 \$19,500 1
Recent Installation, Extent : N/A, Area Affected : 80%
Location : Throughout The Building.

No Component

20%

Ventilation

Exhaust Fans

Roof

100% 2032 \$12,500 2 \$200

Plumbing

H/C Water Piping

Brass/Copper

100% 2052 * * 1
Recent Replace Evident, Extent : N/A, Area Affected : 100%
Location : Throughout The Building.

Water Heater With Tanks

Gas Fired

100% 2030 \$16,700 2
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
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
Plumbing									
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%			2025	\$200	4	\$200	
	Backflow Preventer								
	No Component	90%							
	Generic	10%			2037	* *	1		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : Backflow Preventers Are Serving The Boiler Only								
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Wet	10%			2030	\$1,600	1-3	\$8,300	
	Other Observation, Extent : Light, Area Affected : 10%								
	Location : Kitchen								
	Explanation : 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.*

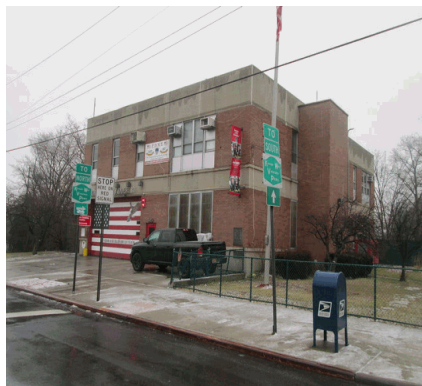
Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 167/ LADDER CO. 87
Address : 345 ANNADALE ROAD
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRSECO.167 / 13097 **Yr Built/Renovated** : 1971 / 2003
Area Sq Ft : 8,390 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Nov-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Floors 1,2
Block : 5642 **Lot** : 6 **BIN** : 5075428

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$203,400	
Electrical		\$127,000
Total	\$203,400	\$127,000
Importance Code A	\$203,400	\$63,500
Importance Code B		\$63,500
Total	\$203,400	\$127,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$15,700		\$1,700	
Interior Architecture	\$22,600	\$600	\$2,800	
Electrical	\$3,200	\$700	\$800	\$600
Mechanical	\$1,300	\$1,300	\$19,300	\$1,500
Site Enclosure	\$8,700			
Total	\$51,500	\$2,600	\$24,700	\$2,100
Importance Code A	\$16,100	\$400	\$2,300	\$400
Importance Code B	\$4,800	\$2,200	\$22,400	\$1,700
Importance Code C	\$30,700			
Total	\$51,500	\$2,600	\$24,700	\$2,100



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

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

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

FIRE DEPARTMENT - 057
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	60%	Now	\$89,200	LIFE	**	5	\$11,100	
		Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 10%							
		Location : Missing Joint Filler At Masonry Wall Base And Header. Throughout Cavity Wall							
		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%			2042	**	5-10	\$6,400	
	Pre-Cast Concrete	25%	0-2	\$6,500	LIFE	**	5	\$15,000	
		Expansion Joint Failure, Extent : Moderate, Area Affected : 20%							
		Location : Precast Panels							
		Open Joints, Extent : Severe, Area Affected : 75%							
		Location : Throughout							
	Wood Overhead Doors	10%			2049	**	5	\$9,200	
Windows									
	Aluminum	100%	Now	\$114,300	2057	**	5	\$1,200	
		Bent/Warped Elements, Extent : Moderate, Area Affected : 30%							
		Location : Throughout							
		Broken/Missing Elements, Extent : Moderate, Area Affected : 100%							
		Location : Rusted Insect Screens Throughout							
		Unit Inoperable, Extent : Moderate, Area Affected : 5%							
		Location : 2nd Floor							
Parapets									
	Pre-Cast Concrete	60%	0-2	\$2,100	LIFE	**	5	\$8,400	
		Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 100%							
		Location : All Coping Joints Are Deteriorated							
	Pre-Cast Concrete	40%	0-2	\$7,000	LIFE	**	5	\$5,600	
		Caulking Deteriorated, Extent : Moderate, Area Affected : 30%							
		Location : Perimeter At Various Location							
Roof									
	Not Accessible	100%							
Interior									
	Floors								
	Cast in Place Concrete	60%			LIFE	**	5	\$16,600	
	Ceramic Tile	10%			2041	**	5	\$1,300	
	Sheet Vinyl/Rubber	30%			2037	**	5	\$5,700	

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

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

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

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									
Interior Walls									
	Cast in Place Concrete	20%	Now	\$13,600	LIFE	* *			
	Water Penetration, Extent : Moderate, Area Affected : 10% Location : At Electrical Incoming Service Box								
	Concrete Masonry Unit	25%	4+	\$8,400	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%			2045	* *	5	\$1,300	
	Exposed Struc: Concrete	70%			LIFE	* *	5	\$1,400	
	Gypsum Board	10%			LIFE	* *	5	\$1,600	
	Plaster	10%			LIFE	* *	5	\$800	
Site Enclosure									
Fence/Gates									
	Chain Link	100%	Now	\$8,700	2042	* *			
	Corrosion/Rusting, Extent : Light, Area Affected : 20% Location : Throughout Impact Damage, Extent : Moderate, Area Affected : 10% Location : Parking Lot Gate, Low Fence At Ramp								
	Retaining Walls								
	Cast in Place Concrete	100%			2076	* *			
	Other Observation, Extent : N/A, Area Affected : 15% Location : Side Yard Explanation : Air Shaft At Side Yard								
Site Pavements									
Public Sidewalk									
	Cast in Place Concrete	100%			2045	* *			
	On-Site Walkways								
	Cast in Place Concrete	84%			2045	* *			
	Cast in Place Concrete	16%			2045	* *			
	Parking/Driveway								
	Asphalt	100%			2041	* *			

Electrical		Current Repair			Future Replacement		Maintenance		
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%			2032	\$63,500	5	\$200	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : Two 200 Ampere Main Disconnect Switches									

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

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									
	Switchgear / Switchboard								
	Molded Case Bkrs	100%			2032	\$63,500	5	\$200	
	Raceway								
	Conduit	95%			2032	\$34,200	1		
	Conduit	5%			2052	* *	1		
	Panelboards								
	Fused Disc Sw	5%			2031	\$2,400	5		
	Molded Case Bkrs	20%			2048	* *	5		
	Molded Case Bkrs	75%			2031	\$36,400	5	\$200	
	Wiring								
	Thermoplastic	95%			2032	\$30,900	1		
	Thermoplastic	5%			2052	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2030	\$17,800	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2037	* *	1	\$2,600	
	Generators								
	Diesel	100%			2035	* *	1	\$3,300	
	Other Observation, Extent : Light, Area Affected : 100% Location : Generator Room Outside Explanation : One 80 Kilovolt Ampere								
	Batteries								
	Lead/Acid	100%			2025	\$2,400	5	\$300	
	Fuel Storage								
	Day Tank	100%			2040	* *	5		
	Other Observation, Extent : Light, Area Affected : 100% Location : Generator Room Outside Explanation : One 60 Gallon								
Lighting									
	Interior Lighting								
	Fluorescent	60%			2032	\$42,700	10	\$4,600	
	T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100% Location : Basement, 1st Floor, And Gymnasium								
	LED	40%			2037	* *			
	Other Observation, Extent : N/A, Area Affected : 100% Location : Second Floor Explanation : LED Light								
	Egress Lighting								
	Emergency, Service	60%			2037	* *	1		
	Exit, LED	40%			2060	* *	1		
	Exterior Lighting								
	HID	20%			2037	* *	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. 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

Lightning Protection
 Arresters/Cabling
 Generic

100% 2035 * * 5 \$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% 2052 * * 1

Conversion Equipment

Hot Water Boiler

100% 2037 * * 1 \$4,200

Distribution

Hot Wtr Piping/Pump

100% 2048 * * 4 \$400

Terminal Devices

Convactor/Radiator

80% 2045 * * 1 \$2,200

Fan Coil Unit/Heat

20% 2032 \$40,600 1 \$500

Air Conditioning

Energy Source

Electricity

100% 2048 * * 1

Conversion Equipment

Split Unit

20% 2042 * *

Recent Installation, Extent : N/A, Area Affected : 20%

Location : Roof

Window/Wall Unit

50% 2030 \$15,500 1

No Component

30%

Ventilation

Distribution

Ductwork/Diffusers

60% LIFE * * 2-5 \$2,800

No Component

40%

Exhaust Fans

Interior

20% 2032 \$7,300 2 \$100

Roof

80% 2032 \$12,700 2 \$200

Plumbing

H/C Water Piping

Brass/Copper

20% 2052 * * 1

Galvanized Steel

80% 2037 * * 1

Water Heater With Tanks

Gas Fired

100% 2027 \$16,700 2

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

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

Estimates are rounded to the nearest hundred dollars.

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

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

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									
	Sump Pump(s)								
	Non-Submersible	100%			2037	* *	4	\$300	
	Backflow Preventer								
	No Component	80%							
	Generic	20%			2037	* *	1	\$100	
	Other Observation, Extent : Light, Area Affected : 20%								
	Location : Basement								
	Explanation : Backflow Preventor For Boiler Only								
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Wet	10%			2030	\$1,600	1-3	\$8,300	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Kitchen								
	Explanation : Over Range								
	No Component	90%							

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Electrical		\$102,900
Mechanical	\$164,900	
Total	\$164,900	\$102,900
Importance Code B	\$164,900	\$102,900
Total	\$164,900	\$102,900

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$15,600	\$4,300	\$300	
Interior Architecture	\$117,200		\$1,100	
Electrical	\$4,800	\$19,400	\$1,700	\$1,400
Mechanical	\$29,300	\$9,900	\$5,600	\$1,800
Site Enclosure	\$5,500			
Site Pavements	\$45,500			
Total	\$218,000	\$33,500	\$8,700	\$3,200
Importance Code A	\$16,600	\$5,300	\$1,300	\$1,000
Importance Code B	\$125,900	\$28,200	\$7,400	\$2,200
Importance Code C	\$75,400			
Total	\$218,000	\$33,500	\$8,700	\$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. 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	\$200	
	Masonry: Brick Cavity	6%	2-4	\$2,600	LIFE	**	5	\$1,500	
	Caulking Deteriorated, Extent : Moderate, Area Affected : 100%								
	Location : Perimeter Windows								
	Masonry: Brick Cavity	69%			LIFE	**	5	\$17,400	
	Metal Panel	4%			2051	**	5-10	\$7,000	
	Metal Coiling Doors	15%	4+	\$7,900	2044	**	5	\$5,900	
	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	\$5,100	2044	**	5	\$3,000	
	Cracking/Crumbling, Extent : Light, Area Affected : 10%								
	Location : Throughout								
Interior									
Floors									
	Cast in Place Concrete	40%	Now	\$20,000	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	\$19,200	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	\$17,600	LIFE	**			
	Water Penetration, Extent : Severe, Area Affected : 5%								
	Location : Basement Foundation Wall								
	Concrete Masonry Unit	68%	0-2	\$29,600	LIFE	**	5	\$6,500	
	Cracking/Crumbling, Extent : Light, Area Affected : 10%								
	Location : Basement And Apparatus Area								
	Gypsum Board	10%			LIFE	**	5	\$1,400	
	Metal Panel	2%			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. 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	\$2,800	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 Struc: Concrete	30%	0-2	\$26,400	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	* *			
Gypsum Board	5%			LIFE	* *	5	\$1,900	
Site Enclosure								
Fence/Gates								
Metal: Cage/Fence	100%	Now	\$5,500	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	\$22,900	2044	* *			
	Cracking/Crumbling, Extent : Light, Area Affected : 10%							
	Location : Throughout							
On-Site Walkways								
Cast in Place Concrete	100%	0-2	\$700	2044	* *			
	Cracking/Crumbling, Extent : Light, Area Affected : 5%							
	Location : Front Walkway							
Parking/Driveway								
Asphalt	50%	2-4	\$9,300	2040	* *			
	Cracking/Crumbling, Extent : Moderate, Area Affected : 20%							
	Location : Throughout Parking Lot							
Cast in Place Concrete	50%	Now	\$12,700	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		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 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	\$300	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2044	**	1	\$6,200	
	Generators								
	Diesel	100%			2034	\$99,500	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%			2025	\$2,400	5	\$700	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Exterior Rear Yard							
		Explanation : Within Generator Enclosure							
	Fuel Storage								
	Main Tank	100%			2059	**	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Exterior Rear Yard							
		Explanation : 60 Gallons Rated Capacity							
Lighting									

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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	\$3,400	10	\$400	
		Compact Fluorescent Light, Extent : Light, Area Affected : 100%							
		Location : Staircase							
	Fluorescent	1%	Now	\$700	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	\$30,500	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	\$500	
	No Component	50%							
Terminal Devices									
	Convactor/Radiator	10%			2044	* *	1	\$700	
	Unit Heater - Hot Water	40%	Now	\$2,300	2031	\$46,500			
		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	\$16,500	2026	\$164,900	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 : N/A, Area Affected : 100% Location : Roof Explanation : 2 Units. R-410a, 1 Older Unit							
	Window/Wall Unit	10%			2026	\$7,400	1		
	No Component	30%							
Distribution									
	Ductwork/Diffusers	30%	4+	\$3,600	LIFE	* *	2	\$7,800	
		Corroded, Extent : Moderate, Area Affected : 10% Location : Roof							
	No Component	70%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	60%			LIFE	* *	2-5	\$6,700	
	No Component	40%							
	Exhaust Fans								
	Roof	40%			2031	\$15,200	2	\$200	
	No Component	60%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2051	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
		Other Observation, Extent : Light, Area Affected : 100% Location : Cellar Mechanical Room Explanation : Two 75 Gallon Water Heaters							
	Sanitary Piping								
	Cast Iron	100%	Now	\$4,900	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	\$10,300	4	\$800	
	Backflow Preventer								
	Generic	100%			2036	* *	1	\$1,200	
	Fixtures								
	Generic	100%							

Fire Suppression

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FIRE DEPARTMENT - 057
ENGINE CO. 168 EMS STATION 23 ROSSVILLE STATION
Asset # : 13581

Mechanical		Current Repair		Future Replacement		Maintenance			
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	\$1,600	1-3	\$7,400	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Kitchen									
Explanation : 1 Set Unit									

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$91,600	
Electrical		\$99,500
Mechanical	\$56,300	\$72,300
Total	\$148,000	\$171,700
Importance Code A	\$148,000	
Importance Code B		\$171,700
Total	\$148,000	\$171,700

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$22,000	\$16,300		
Interior Architecture	\$52,000	\$4,100		
Electrical	\$3,300	\$800	\$700	\$700
Mechanical	\$37,200	\$18,300	\$1,400	\$1,400
Site Enclosure	\$1,700			
Total	\$116,200	\$39,500	\$2,000	\$2,100
Importance Code A	\$22,000	\$16,700	\$400	\$400
Importance Code B	\$53,800	\$22,700	\$1,600	\$1,700
Importance Code C	\$40,400			
Total	\$116,200	\$39,500	\$2,000	\$2,100



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									
Exterior Walls									
	Masonry: Brick	60%	Now	\$91,600	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	\$5,800	LIFE	* *	5	\$2,800	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 75%									
Location : Richards Street Elevation									
	Granite Panels	1%			LIFE	* *	5	\$100	
	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	\$10,000	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+	\$1,000	LIFE	* *	5		
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 50%									
Location : Stair, Hose Tower									

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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	\$200	
	Masonry: Limestone	10%	2-4	\$2,900	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	\$2,200	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 : N/A, 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	\$11,300	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 : N/A, 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	\$10,900	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	\$200	
Masonry: Brick	10%	0-2	\$9,100	LIFE	**			
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 25%								
Location : Basement								
Plaster	30%	Now	\$3,500	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	\$15,000	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	\$800	
Ceilings								
AcousTileSusp.Lay-In	10%	2-4	\$1,100	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 Struc: Concrete	50%			LIFE	**	5	\$1,100	
Paint Peeling, Extent : Moderate, Area Affected : 50%								
Location : Apparatus Area								
Plaster	40%			LIFE	**	5	\$3,400	
Site Enclosure								
Fence/Gates								
Chain Link	70%			2041	**			
Wood	30%	2-4	\$1,700	2032	\$17,200			
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	**
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%		2036	**
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Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%		2041	**	5
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Electrical Room

Explanation : Main Service Disconnect Switch Rated At 200 Amperes.

Switchgear / Switchboard

Molded Case Bkrs	100%		2041	**	5	\$200
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Raceway

Conduit	80%		2041	**	1
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Conduit	20%		2057	**	1
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Panelboards

Molded Case Bkrs	50%		2030	\$24,200	5	\$100
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Molded Case Bkrs	30%		2039	**	5	\$100
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Molded Case Bkrs	20%		2053	**	5
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Wiring

Thermoplastic	80%		2041	**	1
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Thermoplastic	20%		2057	**	1
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Ground

Grounding Devices

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

Transfer Switches

Automatic	100%		2036	**	1	\$2,800
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Generators

Diesel	100%		2034	\$99,500	1	\$3,500
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Side Yard

Explanation : Emergency Generator Rated At 81 Kilovolt Amperes.

Batteries

Lead/Acid	100%		2025	\$2,400	5	\$300
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Fuel Storage

Main Tank	100%		2046	**	5
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Other Observation, Extent : N/A, 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	\$46,100	10	\$5,000	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement, 1st Floor							
		Explanation : T-8 Lamps							
	LED	40%			2039	* *			
	Egress Lighting								
	Emergency, Service	50%			2031	\$2,700	1		
	Exit, LED	50%			2066	* *	1		
	Exterior Lighting								
	LED	20%			2039	* *			
	No Component	80%							
Alarm									
	Security System								
	No Component	85%							
	Generic	15%			2039	* *	1	\$500	
		Other Observation, Extent : N/A, 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	\$56,300	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	\$400	
	Hot Wtr Piping/Pump	5%	Now	\$600	2056	* *	4		
		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
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								
	Convactor/Radiator	100%	0-2	\$14,500	2029	\$72,300	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	\$1,000	2025	\$10,000	1		
		Not Energy Efficient, Extent : Moderate, Area Affected : 20%							
		Location : Various Locations							
	No Component	30%							
	Terminal Devices								
	Fan Coil - 2 Pipe	40%	0-2	\$3,800	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	\$1,500	
	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	\$1,100	2	\$100	
	No Component	30%							
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. 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 With Tanks Gas Fired	100%	0-2	\$300	2026	\$16,700	2		
	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	\$5,600	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%			2025	\$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 Generic	99%							
	1%			2026	\$200	1-3	\$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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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Interior Architecture		\$16,300
Mechanical		\$138,100
Total		\$154,400
Importance Code B		\$154,400
Total		\$154,400

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$56,200	\$8,500	\$900	
Interior Architecture	\$61,300	\$1,100		\$300
Electrical		\$100	\$100	
Mechanical	\$10,500	\$1,200	\$1,400	\$900
Site Enclosure	\$800			
Total	\$128,900	\$10,900	\$2,400	\$1,200
Importance Code A	\$56,800	\$9,100	\$1,500	\$600
Importance Code B	\$63,900	\$1,800	\$800	\$600
Importance Code C	\$8,100			
Total	\$128,900	\$10,900	\$2,400	\$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. 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	\$29,400	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	\$3,500	LIFE	**	5	\$300	
		Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%							
		Location : Throughout							
	Masonry: Limestone	13%	Now	\$22,800	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	\$1,100	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Parapet							
		Explanation : Brick Parapet Exterior							
	Masonry: Limestone	8%			LIFE	**	5	\$300	
	Pre-Cast Concrete	12%	0-2	\$600	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

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. 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	\$10,000	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	\$16,300	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	\$1,300	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	* *			
	Ceramic Tile	5%			2034	\$35,000	5	\$600	
	Gypsum Board	10%			LIFE	* *	5	\$700	
	Masonry: Brick	3%	Now	\$7,300	LIFE	* *			
	Spalling, Extent : Light, Area Affected : 2%								
	Location : Stairwell At Basement Level								
	Masonry: Brick	22%			LIFE	* *			
	Plaster	20%			LIFE	* *	5	\$700	
	SGFT/Glazed Masonry	25%			LIFE	* *			
Ceilings									
	AcousTileSusp.Lay-In	5%	4+	\$800	2036	* *	5	\$200	
	Staining/Discoloring, Extent : Light, Area Affected : 100%								
	Location : Kitchen								
	AcousTileSusp.Lay-In	25%	4+	\$800	2044	* *	5	\$1,100	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
	Location : 2nd Floor								
	Exposed Struc: Steel	30%	Now	\$35,400	LIFE	* *			
	Water Penetration, Extent : Moderate, Area Affected : 5%								
	Location : Basement Sidewalk Bilco Door								
	Plaster	40%	4+	\$2,400	LIFE	* *	5	\$2,300	
	Paint Peeling, Extent : Light, Area Affected : 5%								
	Location : Apparatus Ceiling								
Site Enclosure									
	Fence/Gates								
	Chain Link	100%	Now	\$800	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	\$100	
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	\$1,100	2041	**			
		Broken, Extent : Severe, Area Affected : 5%							
		Location : Apparatus Floor							
	Terminal Devices								
	Convactor/Radiator	100%			2029	\$53,700	1	\$2,000	
Air Conditioning									
	Energy Source								
	Electricity	100%			2039	**	1		
	Conversion Equipment								
	Split Unit	30%			2039	**			
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Roof							
		Explanation : 2 Units. R-410a							
	Window/Wall Unit	20%	0-2	\$3,000	2031	\$5,000	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	30%			2039	**	2	\$1,300	
	Unit								
	No Component	70%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	30%			LIFE	**	2-5	\$1,000	
	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	\$300	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	\$1,700	2031	\$84,400	1		
Leak Evident, Extent : Moderate, Area Affected : 2%									
Location : Apparatus Floor To Basement Bunk Room									
	Water Heater With Tanks Gas Fired	100%			2030	\$18,300	2		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : One New 74 Gallon Unit									
	Sanitary Piping Cast Iron	100%	0-2	\$1,700	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 5%									
Location : Basement									
	Storm Drain Piping Cast Iron	100%	0-2	\$500	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%									
Location : Outside Alley									
	Sump Pump(s) Submersible	100%	0-2	\$100	2025	\$200	4	\$100	
Not in Service, Extent : Moderate, Area Affected : 100%									
Location : Basement									
	Fixtures Generic	100%							

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 206
Address : 1201 GRAND STREET
Borough : BROOKLYN
Program / Asset # : FIRSECO.206 / 13102
Area Sq Ft : 10,180
Date of Survey : 08-Jul-2022
Areas Surveyed : Roof, Floors 1,2
Block : 2929 **Lot** : 53 **BIN** : 3070506
Agency's Number : N/A
Yr Built/Renovated : 1976 /
Project Type : FIRE DEPARTMENT
Landmark Status : NONE

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$310,300	
Electrical		\$99,500
Mechanical		\$54,500
Total	\$310,300	\$154,000
Importance Code A	\$310,300	
Importance Code B		\$154,000
Total	\$310,300	\$154,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$10,700	\$5,400		
Interior Architecture	\$61,100	\$1,000	\$2,700	
Electrical	\$700	\$700	\$800	\$3,600
Mechanical	\$14,500	\$37,000	\$6,800	\$39,800
Site Pavements	\$3,100			
Total	\$90,200	\$44,100	\$10,300	\$43,400
Importance Code A	\$11,300	\$5,900	\$500	\$600
Importance Code B	\$62,300	\$38,200	\$9,800	\$42,700
Importance Code C	\$16,600			
Total	\$90,200	\$44,100	\$10,300	\$43,400



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

FIRE DEPARTMENT - 057**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	\$310,300	LIFE	* *	5	\$19,300	
		Cracking/Crumbling, Extent : Light, Area Affected : 5%							
		Location : Throughout							
		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%			2046	* *	5	\$10,700	
Windows									
	Aluminum	100%	Now	\$2,500	2049	* *	5	\$300	
		Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%							
		Location : Kitchen And Office							
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Throughout							
		Explanation : Single Pane Windows							
Parapets									
	Cast Stone/Terra Cotta	10%	Now	\$300	LIFE	* *	5	\$600	
		Caulking Deteriorated, Extent : Light, Area Affected : 15%							
		Location : Parapet							
	Concrete Masonry Unit	45%			LIFE	* *	5	\$400	
	Masonry: Brick	45%			LIFE	* *	5	\$400	
		Efflorescence, Extent : Light, Area Affected : 10%							
		Location : Exterior Parapet							
Roof									
	Modified Bitumen	100%	2-4	\$8,000	2041	* *			
		Blisters, Extent : Light, Area Affected : 10%							
		Location : Throughout							
Soffits									
	Cast in Place Concrete	100%			LIFE	* *	5		
Interior									
	Floors								
	Cast in Place Concrete	40%	Now	\$25,300	LIFE	* *	5	\$13,300	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : Apparatus Floor							
	Ceramic Tile	35%			2042	* *	5	\$5,300	
	Quarry Tile	5%			2046	* *	5	\$1,100	
	Vinyl Tile	20%			2038	* *	3	\$1,100	

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

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 206
Asset # : 13102

Architecture		Current Repair			Future Replacement		Maintenance		
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	\$800	2042	* *	5	\$400	
Water Penetration, Extent : Moderate, Area Affected : 5%									
Location : 2nd Floor Slop Sink									
	Concrete Masonry Unit	35%	Now	\$12,700	LIFE	* *	5	\$1,100	
Misaligned/Bulging, Extent : Moderate, Area Affected : 10%									
Location : Wall Between Apparatus And Gear Storage									
Vertical Cracks, Extent : Moderate, Area Affected : 5%									
Location : 1st Floor Gear Storage									
	SGFT/Glazed Masonry	55%			LIFE	* *			
Ceilings									
	AcousTileSusp.Lay-In	90%	Now	\$22,300	2046	* *	5	\$6,900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 80%									
Location : Boiler Room									
Misaligned/Bulging, Extent : Moderate, Area Affected : 20%									
Location : Throughout									
Staining/Discoloring, Extent : Severe, Area Affected : 5%									
Location : Apparatus Room And Throughout									
	Plaster	10%			LIFE	* *	5	\$1,000	
Site Enclosure									
Fence/Gates									
	Chain Link	100%			2053	* *			
Site Pavements									
Public Sidewalk									
	Cast in Place Concrete	100%			2046	* *			
On-Site Walkways									
	Cast in Place Concrete	100%			2046	* *			
Parking/Driveway									
	Cast in Place Concrete	100%	Now	\$3,100	2046	* *			
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%			2053	* *	5	\$300	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Electrical Room									
Explanation : Main Service Disconnect Switch Rated At 400 Amperes.									
Switchgear / Switchboard									
Molded Case Bkrs		100%			2053	* *	5	\$300	
Raceway									
Conduit		80%			2033	\$28,800	1		
Conduit		20%			2053	* *	1		

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 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
Under 600 Volts									
Panelboards									
	Molded Case Bkrs	20%			2049	* *	5	\$100	
	Molded Case Bkrs	80%			2032	\$38,800	5	\$200	
Wiring									
	Thermoplastic	80%			2033	\$26,000	1		
	Thermoplastic	20%			2053	* *	1		
Motor Controllers									
	Locally Mounted	100%			2031	\$17,800	5	\$100	
Ground									
Grounding Devices									
	Generic	100%			LIFE	* *	5	\$200	
Stand-by Power									
Transfer Switches									
	Automatic	100%			2031	\$12,900	1	\$3,100	
Generators									
	Diesel	100%			2029	\$99,500	1	\$3,900	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Mechanical Room									
Explanation : No Available Nameplate Rating Capacity									
Batteries									
	Lead/Acid	100%			2028	\$2,400	5	\$400	
Fuel Storage									
	Main Tank	100%			2048	* *	5		
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Mechanical Room									
Explanation : 275 Gallons Rated Capacity									
Lighting									
Interior Lighting									
	LED	100%			2041	* *			
Egress Lighting									
	Emergency, Service	50%			2038	* *	1		
	Exit, LED	50%			2061	* *	1		
Exterior Lighting									
	LED	30%			2038	* *			
	No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Energy Source								
	Natural Gas	100%			2053	* *	1		
	Conversion Equipment								
	Hot Water Boiler	100%			2046	* *	1	\$5,000	
	Distribution								
	Hot Wtr Piping/Pump	100%			2041	* *	4	\$800	

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
Heating									
	Terminal Devices								
	Convactor/Radiator	75%			2038	* *	1	\$2,500	
	Unit Heater - Hot Water	25%			2028	\$14,700			
Air Conditioning									
	Energy Source								
	Electricity	100%			2049	* *	1		
	Conversion Equipment								
	Exterior Pkg Unit - Cooling	50%			2033	\$54,500	2	\$300	
		R-22 Refrigerant, Extent : Light, Area Affected : 100% Location : 1 Unit, Roof							
	Window/Wall Unit	50%	0-2	\$5,700	2028	\$18,800	1		
		Not Energy Efficient, Extent : Moderate, Area Affected : 30% Location : Various Locations							
Ventilation									
	Distribution								
	Ductwork/Diffusers	60%			LIFE	* *	2-5	\$3,400	
	No Component	40%							
	Exhaust Fans								
	Roof	60%	0-2	\$2,300	2033	\$11,600	2	\$100	
		Not in Service, Extent : Moderate, Area Affected : 70% Location : Roof							
	No Component	40%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2043	* *	1		
	Water Heater With Tanks								
	Gas Fired	50%			2031	\$8,300	2		
		Other Observation, Extent : N/A, Area Affected : 100% Location : Side Utility Room Explanation : One 75 Gallon Unit							
	Gas Fired	50%			2026	\$8,300	2		
		Other Observation, Extent : N/A, Area Affected : 100% Location : Side Utility Room Explanation : One 75 Gallon Unit							
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2026	\$15,900	1-3	\$74,400	
		Other Observation, Extent : N/A, Area Affected : 100% Location : Kitchen Explanation : 1 Set Covers 20 Square Feet							

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. 206
Asset # : 13102

*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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Interior Architecture		\$90,500
Electrical		\$137,500
Mechanical		\$90,600
Total		\$318,600
Importance Code A		\$90,600
Importance Code B		\$137,500
Importance Code C		\$90,500
Total		\$318,600

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$55,500	\$12,600		
Interior Architecture	\$58,700	\$800		\$600
Electrical	\$6,600	\$200		
Mechanical	\$17,000	\$26,700	\$1,100	\$800
Site Enclosure	\$5,300			
Site Pavements	\$18,200			
Total	\$161,200	\$40,300	\$1,100	\$1,400
Importance Code A	\$55,900	\$13,100	\$400	\$400
Importance Code B	\$75,600	\$27,200	\$700	\$1,000
Importance Code C	\$29,700			
Total	\$161,200	\$40,300	\$1,100	\$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. 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+	\$5,900	LIFE	* *	5	\$3,700	
	Efflorescence, Extent : Severe, Area Affected : 30%								
	Location : Front Facade								
	Metal Sect. OHD	15%	4+	\$4,400	2036	* *	5	\$1,900	
	Deformed/Dented, Extent : Moderate, Area Affected : 10%								
	Location : Bottom Of Over Head Door								
	Pre-Cast Concrete	35%			LIFE	* *	5	\$9,300	
Windows									
	Aluminum	100%	0-2	\$12,900	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	\$8,300	
	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	\$4,800	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	\$14,300	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.
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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+	\$10,200	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+	\$2,200	2036	**	5	\$500	
Worn/Eroded, Extent : Light, Area Affected : 50%								
Location : Kitchen								
Vinyl Tile	38%	2-4	\$25,100	2041	**	3	\$1,700	
Worn/Eroded, Extent : Moderate, Area Affected : 60%								
Location : Throughout								
Wood	2%			2059	**	5	\$500	
Interior Walls								
Ceramic Tile	10%			2034	\$90,500	5	\$1,700	
Concrete Masonry Unit	30%			LIFE	**	5	\$2,000	
Masonry: Brick	5%	4+	\$3,100	LIFE	**			
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
Location : Kitchen								
Plaster	25%	4+	\$2,000	LIFE	**	5	\$1,300	
Paint Peeling, Extent : Moderate, Area Affected : 5%								
Location : Basement								
SGFT/Glazed Masonry	30%	Now	\$8,900	LIFE	**			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Bunkroom, Throughout 1st Floor								
Ceilings								
AcousTileSusp.Lay-In	20%	Now	\$800	2036	**	5	\$1,200	
Broken/Missing Elements, Extent : Light, Area Affected : 2%								
Location : Throughout								
Exposed Struc: Concrete	45%			LIFE	**	5	\$900	
Plaster	35%	2-4	\$6,400	LIFE	**	5	\$2,700	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Site Enclosure								
Fence/Gates								
Chain Link	100%	0-2	\$5,300	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	**			

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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	

Site Pavements

Parking/Driveway
Asphalt

100% Now \$10,500 2046 * *

Cracking/Crumbling, Extent : Severe, Area Affected : 100%
Location : Side Driveway
Other Observation, Extent : Severe, Area Affected : 100%
Location : Side Driveway
Explanation : Overgrown With Vegetation

Activity Yard
Asphalt

100% Now \$7,700 2034 \$38,600

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 \$14,700 5

Other Observation, Extent : N/A, Area Affected : 100%
Location : Electrical Room
Explanation : Main Service Disconnect Switch Rated At 400 Amperes.

Switchgear / Switchboard
Molded Case Bkrs

100% 2031 \$63,500 5 \$200

Raceway

Conduit 75% 2031 \$27,000 1

Conduit 25% 2041 * * 1

Panelboards

Molded Case Bkrs 25% 2039 * * 5 \$100

Molded Case Bkrs 75% 2030 \$36,400 5 \$200

Wiring

Braided Cloth 20% 2-4 \$6,500 2056 * * 1

Insulation Aged, Extent : Moderate, Area Affected : 100%
Location : Basement

Thermoplastic 80% 2041 * * 1

Motor Controllers

Locally Mounted 100% 2044 * * 5 \$100

Ground

Grounding Devices
Generic

100% LIFE * * 5 \$100

Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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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 \$74,000 10 \$8,000
Other Observation, Extent : N/A, Area Affected : 100%
Location : Throughout The Building
Explanation : T-8 Lamps

Exterior Lighting

HID

20%

2031

\$8,000

10

No Component

80%

Alarm

Security System

No Component

90%

Generic

10%

2036

* *

1

\$300

Other Observation, Extent : N/A, 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

Hot Water Boiler

100%

2029

\$90,600

1

\$4,300

Distribution

Hot Wtr Piping/Pump

100%

2030

\$18,600

4

\$600

Other Observation, Extent : Light, Area Affected : 100%
Location : Throughout
Explanation : Aged

Terminal Devices

Convactor/Radiator

60%

2029

\$41,800

1

\$1,700

Unit Heater - Hot Water

25%

2026

\$12,600

Other Observation, Extent : N/A, Area Affected : 100%
Location : Apparatus Floor And Gymnasium
Explanation : 4 Units

No Component

15%

Air Conditioning

Energy Source

Electricity

100%

2039

* *

1

Conversion Equipment

Split Unit

20%

2031

\$40,500

Window/Wall Unit

40%

2026

\$12,900

1

Window/Wall Unit

20%

Now

\$3,900

2031

\$6,500

1

Broken, Extent : Moderate, Area Affected : 100%
Location : 2nd Floor

No Component

20%

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. 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	\$41,600	1	\$600	
	No Component	80%							
Heat Rejection									
	Air Cooled Condenser Unit	20%			2031	\$3,900	2	\$1,200	
	No Component	80%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	20%	0-2	\$1,500	LIFE	**	2-5	\$1,000	
		Needs Cleaning, Extent : Moderate, Area Affected : 30%							
		Location : Bunk Room, Kitchen Exhaust Systems And Toilet Exhaust							
	No Component	80%							
Exhaust Fans									
	Interior	10%	Now	\$800	2031	\$3,800	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	\$1,100	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 With Tanks									
	Gas Fired	50%			2029	\$8,300	2		
	Gas Fired	50%			2025	\$8,300	2		
Sanitary Piping									
	Cast Iron	100%			LIFE	**	1		
Storm Drain Piping									
	Cast Iron	100%			LIFE	**	1		
Sump Pump(s)									
	Submersible	100%	Now	\$300	2026	\$300	4	\$200	
		Obsolete Equipment, Extent : Severe, Area Affected : 100%							
		Location : Basement							
Fixtures									
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	99%							
	Generic	1%			2025	\$200	1-3	\$800	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Kitchen Hood							
		Explanation : 1 Set							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$66,100	
Total	\$66,100	
Importance Code A	\$66,100	
Total	\$66,100	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$7,900	\$6,300		\$3,000
Interior Architecture	\$14,800		\$400	\$200
Electrical	\$10,200			
Mechanical	\$4,500	\$24,100	\$1,000	\$500
Site Pavements	\$1,800			
Total	\$39,200	\$30,400	\$1,400	\$3,700
Importance Code A	\$11,100	\$6,600	\$400	\$3,400
Importance Code B	\$24,900	\$23,800	\$1,000	\$300
Importance Code C	\$3,200			
Total	\$39,200	\$30,400	\$1,400	\$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.

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** 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
Exterior									
Exterior Walls									
	Masonry: Brick	85%	2-4	\$66,100	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	\$700	
	Metal Sect. OHD	10%			2048	**	5	\$6,000	
	Recent Replace Evident, Extent : N/A, 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	\$7,900	2039	**	5	\$800	
	Unit Inoperable, Extent : Severe, Area Affected : 20%								
	Location : Bathrooms, Stair Bulkhead, 2nd Floor Offices								
Parapets									
	Masonry: Brick	90%			LIFE	**	5	\$2,000	
	Masonry: Limestone	10%			LIFE	**	5	\$300	
Roof									
	Modified Bitumen	98%			2036	**	10	\$6,300	
	Skylight, Metal/Glass	2%			2041	**	10	\$400	
Interior									
Floors									
	Cast in Place Concrete	45%			LIFE	**	5	\$6,000	
	Ceramic Tile	5%			2044	**	5	\$300	
	Recent Replace Evident, Extent : N/A, Area Affected : 100%								
	Location : Bathrooms								
	Vinyl Tile	50%			2036	**	3	\$1,100	
Interior Walls									
	Ceramic Tile	5%			2044	**	5	\$400	
	Recent Replace Evident, Extent : N/A, Area Affected : 100%								
	Location : Bathrooms								
	Marble Panels	5%	Now	\$1,400	LIFE	**			
	Joint Mortar Miss/Erod, Extent : Light, Area Affected : 2%								
	Location : Shower Stalls								
	Plaster	50%	Now	\$1,900	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	**			

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

Maintenance \$ are aggregated over a ten-year period. Site specific 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 : N/A, Area Affected : 100%

Location : Bathrooms, 2nd Floor

Exposed Struc: Concrete 20% Now \$8,900 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 \$2,700 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 \$1,800 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 Ampere Main Disconnect Switch

Raceway

Conduit 90% 2031 \$32,400 1

Conduit 10% 2041 * * 1

Panelboards

Fused Disc Sw 3% 2030 \$1,500 5

Fused Disc Sw 2% 2039 * * 5

Molded Case Bkrs 65% 2030 \$31,500 5 \$100

Molded Case Bkrs 30% 2039 * * 5

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

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*** 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	\$22,800	1			
Thermoplastic	30%			2041	* *	1			

Ground

Grounding Devices

Generic	100%	2-4	\$10,200	LIFE	* *	5		\$100	
<i>Corroded, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Water Basement</i>									

Lighting

Interior Lighting

LED	100%			2039	* *				
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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			
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Conversion Equipment

Steam Boiler	100%	Now	\$3,200	2044	* *	1		\$3,300	
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Basement Boiler Room. Defective Fresh Air Damper System, Pilot Light Keeps Going Off</i>									
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : One Unit</i>									

Distribution

Steam Piping/Pump	100%			2031	\$29,400				
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Terminal Devices

Convactor/Radiator	100%			2029	\$30,000	1		\$1,200	
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Air Conditioning

Energy Source

Electricity	100%			2047	* *	1			
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Conversion Equipment

Split Unit	30%			2036	* *				
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Locker And Bunker Room</i>									
<i>Explanation : R410a</i>									

Window/Wall Unit	50%			2026	\$7,000	1			
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No Component	20%								
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*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.*

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 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	\$8,500	2	\$2,600	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Roof									
Explanation : 2 Units									
Ventilation									
Exhaust Fans									
	Wall Unit	100%			2031	\$1,600	2	\$100	
Plumbing									
H/C Water Piping									
	Brass/Copper	100%			2051	* *	1		
Water Heater With Tanks									
	Gas Fired	100%			2026	\$16,700	2		
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	\$600	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.

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Mechanical	\$55,600	\$91,600
Total	\$55,600	\$91,600
Importance Code B	\$55,600	\$91,600
Total	\$55,600	\$91,600

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$51,100	\$4,500		
Interior Architecture	\$62,000			
Electrical		\$100		
Mechanical	\$7,800	\$18,700	\$1,100	\$700
Site Pavements	\$2,000			
Total	\$123,000	\$23,200	\$1,100	\$700
Importance Code A	\$51,500	\$15,200	\$300	\$300
Importance Code B	\$68,300	\$8,100	\$800	\$400
Importance Code C	\$3,200			
Total	\$123,000	\$23,200	\$1,100	\$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	\$21,700	
	Masonry: Limestone	10%	0-2	\$16,700	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	\$1,100	
Windows									
	Aluminum	100%	Now	\$10,700	2039	**	5	\$400	
Unit Inoperable, Extent : Severe, Area Affected : 30%									
Location : 3rd Floor									
Parapets									
	Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,700	
	Masonry: Brick	35%			LIFE	**	5	\$800	
	Metal Rail	55%			2044	**	5-10	\$21,600	
Roof									
	Modified Bitumen	95%	4+	\$21,800	2036	**			
Debris Present, Extent : Light, Area Affected : 15%									
Location : Lower Roof									
	Skylight, Metal/Glass	5%	Now	\$2,000	2051	**			
Water Penetration, Extent : Light, Area Affected : 5%									
Location : Kitchen									
Interior									
Floors									
	Cast in Place Concrete	30%	Now	\$12,900	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	\$1,400	2034	\$28,500	5	\$300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%									
Location : Kitchen									
	Mosaic Tile	10%	0-2	\$4,700	2036	**	5	\$1,300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%									
Location : Bathrooms Throughout									
	Wood	55%	2-4	\$33,100	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	\$41,700	5		\$800	
Concrete Masonry Unit	25%			LIFE	**	5		\$1,600	
Gypsum Board	30%			LIFE	**	5		\$2,800	
Gypsum Board	7%	Now		\$1,500	LIFE	**	5	\$700	

*Broken/Missing Elements, Extent : Light, Area Affected : 1%**Location : Kitchen Entry**Staining/Discoloring, Extent : Moderate, Area Affected : 30%**Location : Kitchen**Water Penetration, Extent : Moderate, Area Affected : 5%**Location : Kitchen Back Wall**Other Observation, Extent : Light, Area Affected : 100%**Location : Kitchen**Explanation : Cementitious Panel*

Masonry: Brick	30%			LIFE	**				
Metal Panel	3%			LIFE	**				

Ceilings

AcousTileSusp.Lay-In	5%	2-4		\$200	2036	**	5	\$200	
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*Broken/Missing Elements, Extent : Light, Area Affected : 1%**Location : Basement**Water Penetration, Extent : Light, Area Affected : 2%**Location : Basement*

Exposed Struc: Steel	20%			LIFE	**				
Gypsum Board	50%	Now		\$4,200	LIFE	**	5	\$6,100	

*Water Penetration, Extent : Light, Area Affected : 10%**Location : 2nd Floor Bunk Room And 3rd Floor Locker Room*

Metal Panel	25%	2-4		\$4,000	LIFE	**	5	\$3,100	
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*Misaligned/Bulging, Extent : Moderate, Area Affected : 20%**Location : Kitchen***Site Pavements****Public Sidewalk**

Cast in Place Concrete	100%	2-4		\$300	2036	**			
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*Cracking/Crumbling, Extent : Light, Area Affected : 5%**Location : Sidewalk Carlton Avenue***Parking/Driveway**

Cast in Place Concrete	100%	Now		\$1,800	2036	**			
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 10%**Location : Front Apron*

Electrical		Current Repair			Future Replacement		Maintenance		
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. 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	\$100	
Lighting									
	Interior Lighting								
	LED	100%			2039	* *			
	Egress Lighting								
	Exit, Service	100%			2031	\$2,900	1		
	Exterior Lighting								
	HID	10%			2031	\$3,100	10		
	No Component	90%							

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Energy Source								
	Natural Gas	100%			2041	* *	1		
	Conversion Equipment								
	Furnace	50%			2026	\$10,300	1	\$1,700	
		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							

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** 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	\$400	2039	* *	4	\$200	
		Leak Evident, Extent : Severe, Area Affected : 5%							
		Location : 1 Out Of 2 Pumps In Basement							
	No Component	50%							
Terminal Devices									
	Convactor/Radiator	40%			2044	* *	1	\$900	
	Unit Heater - Hot Water	10%	0-2	\$800	2031	\$3,900			
		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	\$50,100	2	\$200	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Roof							
		Explanation : 5 Units, R-22 Refrigerant							
	Ext Pkg Unit - Heating/Cooling	5%	0-2	\$300	2026	\$5,600	2		
		Controller Not Working, Extent : Moderate, Area Affected : 10%							
		Location : 3rd Floor Thermostat							
	Window/Wall Unit	10%	2-4	\$1,500	2031	\$2,500	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	\$3,500	LIFE	* *	2-5	\$2,300	
		Needs Cleaning, Extent : Moderate, Area Affected : 10%							
		Location : Kitchen Duct							
	No Component	40%							
Exhaust Fans									
	Roof	60%	0-2	\$400	2026	\$7,700	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 With Tanks									
	Gas Fired	100%			2029	\$16,700	2		

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 210
Asset # : 13105

Mechanical		Current Repair		Future Replacement		Maintenance			
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	\$900	4	\$100	
	Submersible	30%			2025	\$100	4	\$100	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Sprinkler								
	Generic	100%			2031	\$91,600	1-2	\$1,900	
	Chemical System								
	No Component	99%							
	Generic	1%			2025	\$200	1-3	\$800	
		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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 21-Oct-2022 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2,3,4,5
Block : 2203 **Lot** : 16 **BIN** : 3060298

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$580,000	\$179,800
Interior Architecture	\$479,700	
Electrical		\$342,400
Mechanical		\$318,700
Total	\$1,059,800	\$840,900
Importance Code A	\$580,000	\$179,800
Importance Code B	\$479,700	\$661,100
Total	\$1,059,800	\$840,900

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$12,500		\$2,000	
Interior Architecture	\$129,800			\$4,800
Electrical	\$9,200	\$3,000	\$5,700	\$3,000
Mechanical	\$13,700	\$3,300	\$48,400	\$2,700
Elevators/Escalators	\$4,900	\$4,900	\$4,900	\$4,900
Total	\$170,100	\$11,200	\$61,000	\$15,400
Importance Code A	\$13,900	\$1,400	\$3,400	\$1,400
Importance Code B	\$81,700	\$9,800	\$57,600	\$14,000
Importance Code C	\$74,500			
Total	\$170,100	\$11,200	\$61,000	\$15,400



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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** 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%			LIFE	**	5	\$25,000	
	Stucco Cement	70%	Now	\$580,000	2039	**	5	\$43,700	
		Water Penetration, Extent : Moderate, Area Affected : 25%							
		Location : Left Side Facade At All Floors And Stairwells							
	Wood Overhead Doors	5%			2039	**	5	\$12,500	
		Other Observation, Extent : Severe, Area Affected : 25%							
		Location : Left Jamb At Middle Door							
		Explanation : Misaligned And Broken							
Windows									
	Aluminum	100%			2042	**	5	\$4,000	
Parapets									
	Metal Panel	100%			2054	**	5	\$11,600	
Roof									
	Modified Bitumen	100%			2034	\$179,800	10	\$16,800	
Soffits									
	Wood	100%			2039	**	5		
Interior									
Floors									
	Cast in Place Concrete	20%			LIFE	**	5	\$37,000	
	Ceramic Tile	5%			2043	**	5	\$2,100	
	Quarry Tile	3%			2039	**	5	\$1,900	
	Terrazzo	2%			LIFE	**	5	\$1,300	
	Vinyl Tile	70%	Now	\$479,700	2042	**	3	\$11,100	
		Broken/Missing Elements, Extent : Light, Area Affected : 50%							
		Location : Various Locations Throughout							
Interior Walls									
	Cast in Place Concrete	30%			LIFE	**	10	\$33,500	
	Ceramic Tile	5%	Now	\$12,000	2037	**	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	\$8,900	
	Gypsum Board	15%			LIFE	**	5-10	\$11,400	
	Plaster	10%	Now	\$5,300	LIFE	**	5	\$1,300	
		Water Penetration, Extent : Light, Area Affected : 5%							
		Location : Left Side Of Building At Stairwell							
	SGFT/Glazed Masonry	15%	Now	\$11,800	LIFE	**			
		Broken/Missing Elements, Extent : Light, Area Affected : 2%							
		Location : 1st Floor In Apparatus Area By Overhead Doors							

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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								
Ceilings								
AcousTileSusp.Lay-In	50%	Now	\$17,200	2039	* *	5	\$10,600	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 10%							
	Location : Throughout Various Offices							
Exposed Struc: Concrete	30%			LIFE	* *	5-10	\$15,900	
Plaster	20%	Now	\$5,000	LIFE	* *	5	\$5,300	
	Paint Peeling, Extent : Light, Area Affected : 2%							
	Location : 2nd Floor Locker Room							
	Water Penetration, Extent : Light, Area Affected : 2%							
	Location : 2nd Floor Locker Room							
Site Enclosure								
Fence/Gates								
Chain Link	100%			2044	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2039	* *			
	Cracking/Crumbling, Extent : Light, Area Affected : 20%							
	Location : Front OfThe Building							
On-Site Walkways								
Cast in Place Concrete	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%			2054	* *	5	\$100	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : 1st Floor									
Explanation : 400 Ampere Main Switch									
Switchgear / Switchboard									
Molded Case Bkrs		100%			2054	* *	5	\$700	
Raceway									
Conduit		100%			2044	* *	1		
Panelboards									
Molded Case Bkrs		25%			2050	* *	5	\$200	
Molded Case Bkrs		75%			2042	* *	5	\$600	
Wiring									
Thermoplastic		100%			2044	* *	1		
Motor Controllers									
Locally Mounted		100%			2039	* *	5	\$200	
Ground									
Grounding Devices									
Generic		100%			LIFE	* *	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
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									
	Transfer Switches								
	Automatic	100%			2047	* *	1	\$8,700	
	Generators								
	Diesel	100%			2037	* *	1	\$11,000	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Exterior								
	Explanation : 125 Watt Generator								
	Batteries								
	Lead/Acid	100%			2027	\$2,400	5	\$1,000	
	Fuel Storage								
	Day Tank	100%			2042	* *	5		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Side Yard								
	Explanation : 125 Gallon								
Lighting									
	Interior Lighting								
	Fluorescent	20%			2029	\$48,000	10	\$5,200	
	T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
	Location : Throughout								
	Fluorescent	30%			2034	\$72,000	10	\$7,800	
	T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
	Location : 4th And 5th Floors								
	LED	50%			2034	\$170,600			
	T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
	Location : 4th And 5th Floors								
	Egress Lighting								
	Emergency, Service	20%			2034	\$3,400	1		
	No Component	80%							
	Exterior Lighting								
	HID	20%			2034	\$25,800	10		
	No Component	80%							
Alarm									
	Security System								
	Generic	100%			2034	\$51,900	1	\$10,600	

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									
	Energy Source								
	Natural Gas	100%			2054	* *	1		
	Conversion Equipment								
	Hot Water Boiler	100%			2047	* *	1	\$14,000	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Mechanical Room								
	Explanation : 1 Hot Water Boiler								

Note : 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.

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

Maintenance \$ are aggregated over a ten-year period. Site specific 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

Mechanical		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%			2029	\$300	1-3	\$1,600	

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$112,700	
Mechanical		\$50,600
Total	\$112,700	\$50,600
Importance Code A	\$112,700	
Importance Code B		\$50,600
Total	\$112,700	\$50,600

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$96,400			
Interior Architecture	\$26,600			\$400
Electrical		\$100		
Mechanical	\$10,400	\$34,900	\$900	\$700
Site Enclosure	\$1,700			
Total	\$135,200	\$35,000	\$900	\$1,100
Importance Code A	\$96,800	\$400	\$300	\$300
Importance Code B	\$21,400	\$34,700	\$600	\$800
Importance Code C	\$17,000			
Total	\$135,200	\$35,000	\$900	\$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. 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	\$48,300	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	\$64,400	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	\$23,100	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+	\$7,700	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	\$39,900	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+	\$3,000	LIFE	* *	5	\$300	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%									
Location : Coping									

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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. 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	\$9,200	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	\$12,300		
	Water Penetration, Extent : Moderate, Area Affected : 10%								
	Location : Basement								
Mosaic Tile	10%			2044	**	5	\$2,600		
Quarry Tile	5%	4+	\$700	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	\$4,100	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	\$39,800	5	\$700		
Masonry: Brick	20%			LIFE	**				
Plaster	35%	Now	\$6,200	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+	\$9,100	LIFE	**				
	Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%								
	Location : Apparatus Floor								
Wood	5%			LIFE	**	5	\$3,000		
Ceilings									
AcousTileSusp.Lay-In	10%	4+	\$300	2044	**	5	\$500		
	Staining/Discoloring, Extent : Light, Area Affected : 5%								
	Location : 1st Floor Bathroom								
Exposed Struc: Concrete	15%			LIFE	**	5	\$200		
Exposed Struc: Steel	35%			LIFE	**				
Plaster	40%	Now	\$6,100	LIFE	**	5	\$2,600		
	Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
	Location : Hose Tower, Stairwell								

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

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

Architecture		Current Repair		Future Replacement		Maintenance			
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+	\$1,700	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	\$100	
Lighting									
	Interior Lighting								
	LED	100%			2036	* *			
	Egress Lighting								
	Emergency, Battery	100%			2031	\$11,500	10	\$1,700	
	Exterior Lighting								
	LED	10%			2036	* *			
	No Component	90%							

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** 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	
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
	<i>Location : Cellar Boiler Room</i>								
	<i>Explanation : 1 Unit</i>								
	Distribution								
	Hot Wtr Piping/Pump	100%			2039	**	4	\$300	
	Terminal Devices								
	Convactor/Radiator	90%	0-2	\$5,100	2029	\$50,600	1	\$1,800	
	<i>Damaged, Extent : Moderate, Area Affected : 20%</i>								
	<i>Location : 2nd Floor Locker Room And Office</i>								
	Unit Heater - Steam	10%			2026	\$3,900	4	\$100	
Air Conditioning									
	Energy Source								
	Electricity	100%			2039	**	1		
	Conversion Equipment								
	Split Unit	10%			2036	**			
	Window/Wall Unit	50%	0-2	\$2,600	2026	\$13,000	1		
	<i>Not Energy Efficient, Extent : Moderate, Area Affected : 40%</i>								
	<i>Location : Various Locations</i>								
	No Component	40%							
	Terminal Devices								
	Fan Coil - 2 Pipe	10%			2036	**	1	\$200	
	No Component	90%							
	Heat Rejection								
	Air Cooled Condenser Unit	10%			2036	**	2	\$500	
	No Component	90%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	25%			LIFE	**	2-5	\$1,000	
	No Component	75%							
	Exhaust Fans								
	Roof	10%	0-2	\$300	2031	\$1,300	2		
	<i>Not Energy Efficient, Extent : Moderate, Area Affected : 100%</i>								
	<i>Location : Roof</i>								
	Wall Unit	10%	0-2	\$100	2026	\$300	2		
	<i>Other Observation, Extent : Moderate, Area Affected : 10%</i>								
	<i>Location : 1st Floor</i>								
	<i>Explanation : Damaged</i>								
	No Component	80%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2041	**	1		

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

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

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	Water Heater With Tanks								
	Gas Fired	100%			2026	\$16,700	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Cellar							
		Explanation : 2 Units 74 Gallons							
Sanitary Piping									
	Cast Iron	100%	Now	\$1,700	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%			2025	\$200	4	\$200	
Fixtures									
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	99%							
	Generic	1%			2026	\$200	1-3	\$700	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Kitchen Hood							
		Explanation : 1 Set							

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028		FY 2029 - 2034	
Exterior Architecture	\$117,700			
Interior Architecture	\$50,100		\$431,700	
Mechanical			\$56,700	
Total	\$167,800		\$488,400	
Importance Code A	\$117,700			
Importance Code B			\$488,400	
Importance Code C	\$50,100			
Total	\$167,800		\$488,400	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$35,800	\$64,300		
Interior Architecture	\$62,300			\$1,300
Electrical	\$100	\$200	\$100	\$100
Mechanical	\$8,200	\$34,900	\$800	\$400
Total	\$106,400	\$99,400	\$900	\$1,800
Importance Code A	\$35,800	\$64,300		
Importance Code B	\$41,400	\$35,100	\$900	\$1,800
Importance Code C	\$29,200			
Total	\$106,400	\$99,400	\$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. 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	\$108,000	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	\$22,100	2039	* *	5	\$1,200	
	Cttrwt/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	\$200	
	Masonry: Brick	5%			LIFE	* *	5	\$200	
	Metal Cornice	20%			2046	* *	10	\$2,700	
	Other Observation, Extent : N/A, Area Affected : 100% Location : Roof Parapet Coping Explanation : Metal Coping								
	Metal Rail	70%			2036	* *	5-10	\$53,900	
Roof									
	Built-Up (BUR)	4%	Now	\$13,700	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	\$32,200	
	Cracking/Crumbling, Extent : Light, Area Affected : 5% Location : First Floor Apparatus Area								
	Ceramic Tile	10%			2034	\$161,900	5	\$2,900	
	Quarry Tile	1%	4+	\$2,100	2036	* *	5	\$200	
	Broken/Missing Elements, Extent : Light, Area Affected : 1% Location : Kitchen And House Watch								
	Terrazzo	5%	0-2	\$26,900	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	\$269,800	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+	\$27,300	LIFE	**	5	\$5,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%									
Location : Basement									
	Plaster	20%			LIFE	**	5	\$2,300	
	Plywood/Hardboard	1%			LIFE	**			
	SGFT/Glazed Masonry	30%	Now	\$50,100	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+	\$500	2036	**	5	\$700	
Staining/Discoloring, Extent : Light, Area Affected : 10%									
Location : Office And Eating Area									
	Exposed Struc: Concrete	45%			LIFE	**	5	\$1,900	
	Plaster	15%	Now	\$2,500	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	\$6,100	
Site Enclosure									
Fence/Gates									
	Chain Link	100%			2041	**			
Site Pavements									
Public Sidewalk									
	Cast in Place Concrete	100%			2036	**			
On-Site Walkways									
	Cast in Place Concrete	100%			2036	**			

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

Electrical		Current Repair			Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts									
Switchgear / Switchboard									
	Molded Case Bkrs	100%			2051	* *	5	\$200	
Raceway									
	Conduit	100%			2041	* *	1		
Panelboards									
	Molded Case Bkrs	100%			2039	* *	5	\$200	
Wiring									
	Thermoplastic	100%			2041	* *	1		

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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. 216/LADDER CO. 108 (COMBINED FACILITY) 76TH PCT
Asset # : 13109

Electrical		Current Repair		Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
	Motor Controllers							
	Locally Mounted	100%		2029	\$17,800	5	\$100	
Lighting								
	Interior Lighting							
	LED	100%		2039	* *			
	Egress Lighting							
	Emergency, Battery	50%		2031	\$7,300	10	\$1,100	
	Exit, Service	50%		2031	\$1,900	1		
	Exterior Lighting							
	LED	20%		2039	* *			
	No Component	80%						
Alarm								
	Security System							
	No Component	80%						
	Generic	20%		2039	* *	1	\$700	
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)	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	\$400	
	Terminal Devices							
	Convactor/Radiator	80%		2029	\$56,700	1	\$2,300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Temperature Controlled By Police Precinct								
	Unit Heater - Hot Water	20%		2026	\$10,300			
Air Conditioning								
	Energy Source							
	Electricity	100%		2039	* *	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 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%			2025	\$6,600	1		
	Window/Wall Unit	30%			2029	\$9,900	1		
	No Component	50%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	25%			LIFE	* *	2-5	\$1,200	
	No Component	75%							
	Exhaust Fans								
	Roof	25%			2036	* *	2	\$100	
	Wall Unit	25%			2026	\$900	2	\$100	
	No Component	50%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2041	* *	1		
	Water Heater With Tanks								
	Electric	100%			2026	\$23,100	4		
	Sanitary Piping								
	Cast Iron	80%			LIFE	* *	1		
	Cast Iron	20%	Now	\$1,100	LIFE	* *	1		
	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	\$1,700	4	\$200	
	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	\$8,000	1-5	\$900	
	Chemical System								
	No Component	99%							
	Generic	1%			2025	\$200	1-3	\$800	
	Other Observation, Extent : N/A, 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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 217
Address : 940 DEKALB AVENUE
Borough : BROOKLYN
Program / Asset # : FIRSECO.217 / 13110
Area Sq Ft : 5,298
Date of Survey : 24-Jun-2020
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1601 **Lot** : 23 **BIN** : 3043215
Agency's Number : N/A
Yr Built/Renovated : 1908 / 2002
Project Type : FIRE DEPARTMENT
Landmark Status : NONE

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$325,400	
Total	\$325,400	
Importance Code A	\$325,400	
Total	\$325,400	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$13,000	\$7,800	\$34,700	
Interior Architecture	\$51,100			
Electrical		\$100		
Mechanical	\$3,500	\$10,500	\$800	\$900
Total	\$67,600	\$18,400	\$35,600	\$1,000
Importance Code A	\$13,500	\$8,300	\$35,200	\$500
Importance Code B	\$36,400	\$10,100	\$300	\$400
Importance Code C	\$17,700			
Total	\$67,600	\$18,400	\$35,600	\$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	\$270,100	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	\$400	
	Masonry: Limestone	15%	Now	\$55,400	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	\$5,600	2039	**	5	\$300	
	Unit Inoperable, Extent : Moderate, Area Affected : 15%								
	Location : 3rd Floor Gymnasium								
Parapets									
	Masonry: Brick	35%			LIFE	**	5	\$600	
	Metal Panel	25%			2051	**	5	\$1,800	
	Slate	15%	Now	\$6,900	LIFE	**	5	\$300	
	Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
	Location : Lower Roof Coping Stones								
	Stucco Cement	25%	2-4	\$500	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	\$30,200	5	\$8,000	
	Wrinkling, Extent : Light, Area Affected : 10%								
	Location : Upper Roof								
	Skylight, Metal/Glass	2%			2057	**	10	\$500	
	Recent Replace Evident, Extent : N/A, Area Affected : 100%								
	Location : Main Roof								

Interior

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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	\$9,200	
	Quarry Tile	10%	Now	\$6,000	2044	**	5	\$600	
	Water Penetration, Extent : Moderate, Area Affected : 10% Location : 3rd Floor Bath								
	Sheet Vinyl/Rubber	40%	Now	\$21,400	2036	**	5	\$2,500	
	Seams Open/Split, Extent : Moderate, Area Affected : 10% Location : 2nd And 3rd Floor Corridors								
Interior Walls									
	Ceramic Tile	10%	Now	\$700	2034	\$32,600	5	\$300	
	Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1% Location : Bathroom On 3rd Floor								
	Concrete Masonry Unit	10%			LIFE	**	5	\$200	
	Masonry: Brick	30%	Now	\$6,800	LIFE	**			
	Paint Peeling, Extent : Moderate, Area Affected : 25% Location : Basement Water Penetration, Extent : Severe, Area Affected : 15% Location : Basement								
	Plaster	25%	2-4	\$3,600	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	\$6,700	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	\$2,000	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+	\$3,900	LIFE	**	5	\$1,700	
	Paint Peeling, Extent : Light, Area Affected : 5% Location : Throughout								
	Gypsum Board	20%			LIFE	**	5	\$2,100	
	Metal Panel	5%			LIFE	**	5	\$500	
Site Enclosure									
	Fence/Gates								
	Chain Link	100%			2041	**			
Site Pavements									

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*** 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%
Cast in Place Concrete	15%

2040	**
2036	**

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

Under 600 Volts

Service Equipment

Fused Disc Sw

100%	2041	**	5
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : Main Service Disconnect Switch Rated At 400 Amperes.

Switchgear / Switchboard

Molded Case Bkrs

100%	2041	**	5	\$100
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Raceway

Conduit

20%	2031	\$7,200	1
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Conduit

80%	2041	**	1
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Panelboards

Fused Disc Sw

5%	2030	\$2,400	5
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Molded Case Bkrs

75%	2039	**	5	\$100
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Molded Case Bkrs

20%	2030	\$9,700	5
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Wiring

Thermoplastic

80%	2041	**	1
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Thermoplastic

20%	2031	\$6,500	1
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Motor Controllers

Locally Mounted

100%	2036	**	5
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Ground

Grounding Devices

Generic

100%	LIFE	**	5	\$100
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Lighting

Interior Lighting

LED

100%	2039	**
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Egress Lighting

Emergency, Battery

100%	2031	\$8,700	10	\$1,300
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Exterior Lighting

LED

20%	2039	**
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No Component

80%

Alarm

Security System

No Component

90%

Generic

10%	2031	\$1,000	1	\$200
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Front Of The Building

Explanation : CCTV Surveillance Cameras

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*** 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	\$41,400			
	Terminal Devices								
	Convector/Radiator	100%			2029	\$42,300	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	\$1,200	2036	* *			
	Leak Evident, Extent : Severe, Area Affected : 5%								
	Location : Condensate Water Leaking To Lunch Area.								
	Window/Wall Unit	40%			2026	\$7,800	1		
	No Component	40%							
	Terminal Devices								
	Fan Coil - 2 Pipe	20%			2036	* *	1	\$300	
	No Component	80%							
	Heat Rejection								
	Air Cooled Condenser Unit	20%			2036	* *	2	\$700	
	No Component	80%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	15%			LIFE	* *	2-5	\$400	
	No Component	85%							
	Exhaust Fans								
	Roof	15%			2026	\$1,500	2		
	Wall Unit	5%			2031	\$100	2		
	No Component	80%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2041	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Explanation : 2 Units, 74 Gallons								

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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	\$1,300	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	\$200	1-3	\$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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 218
Address : 650 HART STREET
Borough : BROOKLYN
Program / Asset # : FIRSECO.218 / 13111
Area Sq Ft : 3,630
Date of Survey : 24-Jun-2020
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3228 **Lot** : 13 **BIN** : 3073407
Agency's Number : N/A
Yr Built/Renovated : 1887 / 2001
Project Type : FIRE DEPARTMENT
Landmark Status : NONE

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$106,400	\$60,000
Electrical		\$99,500
Total	\$106,400	\$159,400
Importance Code A	\$106,400	\$60,000
Importance Code B		\$99,500
Total	\$106,400	\$159,400

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$10,800	\$2,000		
Interior Architecture	\$36,500	\$900	\$5,200	\$100
Electrical	\$2,700	\$300	\$300	\$300
Mechanical	\$3,100	\$7,200	\$500	\$500
Site Enclosure	\$14,700			
Total	\$67,700	\$10,400	\$6,000	\$900
Importance Code A	\$11,100	\$2,400	\$400	\$400
Importance Code B	\$17,500	\$8,100	\$5,700	\$500
Importance Code C	\$39,100			
Total	\$67,700	\$10,400	\$6,000	\$900



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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
Exterior									
	Exterior Walls								
	Masonry: Brick	90%	Now	\$106,400	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+	\$5,000	2039	* *	5	\$500	
		Broken/Missing Elements, Extent : Moderate, Area Affected : 20%							
		Location : Throughout							
Parapets									
	Cast Stone/Terra Cotta	10%			LIFE	* *	5	\$100	
	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		
	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	\$60,000	10	\$5,600	

Interior

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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	\$5,100	3	\$400		
Cast in Place Concrete	50%	Now	\$4,900	LIFE	**	5	\$6,400		
Cracking/Crumbling, Extent : Severe, Area Affected : 10%									
Location : Cellar									
Mosaic Tile	5%	4+	\$1,300	2036	**	5	\$400		
Cracking/Crumbling, Extent : Light, Area Affected : 5%									
Location : Bathrooms									
Quarry Tile	5%	4+	\$1,100	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	\$1,200	2031	\$23,700	3	\$300		
Cracking/Crumbling, Extent : Light, Area Affected : 10%									
Location : 2nd Floor									
Recent Repair Evident, Extent : N/A, Area Affected : 50%									
Location : 2nd Floor									
Interior Walls									
Ceramic Tile	5%			2034	\$21,600	5	\$400		
Gypsum Board	1%			LIFE	**	5			
Masonry: Brick	15%	Now	\$11,200	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	\$13,200	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	\$3,200		
Ceilings									
AcousTileSusp.Lay-In	10%	4+	\$200	2036	**	5	\$300		
Staining/Discoloring, Extent : Light, Area Affected : 1%									
Location : Kitchen									
Embossed Metal	40%	Now	\$3,400	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	**				
Plaster	30%			LIFE	**	5	\$1,100		

Site Enclosure

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FIRE DEPARTMENT - 057
ENGINE CO. 218
Asset # : 13111

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

Site Enclosure

Fence/Gates

Chain Link

100% Now \$4,000 2041 * *

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 \$10,600 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 : N/A, 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

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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	\$99,500	1	\$1,400	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Outside								
	Explanation : Emergency Generator Rated At 62 Kilowatts								
	Batteries								
	Lead/Acid	100%			2025	\$2,400	5	\$100	
	Fuel Storage								
	Main Tank	100%			2046	* *	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Outside								
	Explanation : 50 Gallons Rated Capacity								
Lighting									
	Interior Lighting								
	Fluorescent	100%			2031	\$30,800	10	\$3,300	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Throughout The Building								
	Explanation : T-8 Lamps								
	Egress Lighting								
	Emergency, Service	50%			2031	\$1,100	1		
	Exit, Service	50%			2031	\$800	1		
	Exterior Lighting								
	HID	30%			2031	\$5,000	10		
	No Component	70%							
Alarm									
	Security System								
	No Component	80%							
	Generic	20%			2031	\$1,300	1	\$300	
	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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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	\$28,400			
Terminal Devices	Convector/Radiator	100%	0-2	\$600	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	\$1,300	2026	\$6,700	1		
Not Energy Efficient, Extent : Moderate, Area Affected : 20%									
Location : Various Locations									
	No Component	50%							
Ventilation									
Distribution	Ductwork/Diffusers	20%			LIFE	* *	2-5	\$400	
	No Component	80%							
Exhaust Fans	Roof	20%			2031	\$1,400	2		
	Wall Unit	50%	0-2	\$800	2041	* *	2		
Other Observation, Extent : Moderate, Area Affected : 100%									
Location : Apparatus									
Explanation : On Extended Life Time, Inefficient Unit.									
	No Component	30%							
Plumbing									
H/C Water Piping	Brass/Copper	100%			2031	\$45,500	1		
Water Heater With Tanks	Gas Fired	100%			2029	\$16,700	2		
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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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$196,900	\$109,800
Interior Architecture		\$304,900
Electrical	\$99,500	\$198,300
Total	\$296,400	\$613,000
Importance Code A	\$196,900	\$173,300
Importance Code B	\$99,500	\$338,300
Importance Code C		\$101,400
Total	\$296,400	\$613,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$20,100	\$1,900	\$11,500	\$3,000
Interior Architecture	\$89,400			\$600
Electrical	\$3,400	\$900	\$700	\$700
Mechanical	\$19,500	\$7,900	\$1,500	\$800
Site Pavements	\$12,800			
Total	\$145,200	\$10,700	\$13,700	\$5,100
Importance Code A	\$20,600	\$2,400	\$12,000	\$3,400
Importance Code B	\$85,600	\$8,300	\$1,700	\$1,700
Importance Code C	\$39,000			
Total	\$145,200	\$10,700	\$13,700	\$5,100



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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	\$131,000	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	\$12,600	2039	* *	5	\$700	
	Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%							
	Location : Throughout							
Wood	5%	Now	\$1,700	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	\$4,700	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	\$65,900	2031	\$109,800			
	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	\$1,200	2027	\$11,500	5	\$1,500	
	Water Penetration, Extent : Moderate, Area Affected : 10%							
	Location : Lower Roof							
Soffits								
Stucco Cement	100%			2036	* *	5		

Interior

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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	\$9,300	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 : N/A, Area Affected : 1%								
Location : Exposed Rebar								
Explanation : Apparatus Floor								
Ceramic Tile	10%	0-2	\$13,700	2034	\$68,700	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	\$900	2036	**	5	\$500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Kitchen								
Vinyl Tile	40%	Now	\$13,500	2031	\$134,700	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	\$101,400	5	\$1,900	
Concrete Masonry Unit	30%			LIFE	**	5	\$2,100	
Gypsum Board	6%			LIFE	**	5	\$600	
Plaster	5%	4+	\$2,000	LIFE	**	5	\$300	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Apparatus Floor								
Plaster	13%			LIFE	**	5	\$700	
SGFT/Glazed Masonry	32%	2-4	\$24,100	LIFE	**			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 20%								
Location : Kitchen								
Wood	3%			LIFE	**	5	\$2,100	

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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	\$17,700	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 Struc: Concrete	10%			LIFE	* *	5	\$200	
Metal Panel	5%	Now	\$4,000	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	\$4,100	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	\$1,100	2034	\$21,500			
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	\$11,800	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		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Under 600 Volts								
Service Equipment								
Molded Case Bkrs	100%			2031	\$63,500	5	\$200	
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	\$63,500	5	\$200	

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

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts									
	Raceway								
	Conduit	100%			2031	\$36,000	1		
	Panelboards								
	Molded Case Bkrs	100%			2030	\$48,500	5	\$200	
	Wiring								
	Thermoplastic	100%			2041	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2036	* *	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2029	\$12,900	1	\$2,800	
	Generators								
	Diesel	100%			2027	\$99,500	1	\$3,500	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Generator Room								
	Explanation : Emergency Generator Rated At 12 Kilowatts								
	Batteries								
	Lead/Acid	100%			2025	\$2,400	5	\$300	
	Fuel Storage								
	Day Tank	5%			2030	\$1,300	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Generator Room								
	Explanation : 10 Gallons Rated Capacity								
	Main Tank	95%			2034	\$71,300	5		
	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	\$12,500	10		
	No Component	70%							
Alarm									
	Security System								
	No Component	90%							
	Generic	10%			2031	\$1,700	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	\$200	
	Hot Wtr Piping/Pump	50%			2030	\$9,700	4	\$300	
	Terminal Devices								
	Convector/Radiator	60%			2029	\$43,600	1	\$1,800	
	Unit Heater - Steam	40%			2031	\$20,200	4	\$300	
	Other Observation, Extent : N/A, 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	\$8,100	2031	\$13,500	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	\$6,700	1		
	No Component	40%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	60%	0-2	\$4,700	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	\$2,600	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		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific 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 With Tanks								
	Gas Fired	100%			2030	\$16,700	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon Heaters							
Sanitary Piping									
	Cast Iron	10%	Now	\$2,200	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	\$600	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	\$36,900	1-2	\$800	
Chemical System									
	No Component	99%							
	Generic	1%			2025	\$200	1-3	\$800	
		Other Observation, Extent : N/A, 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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$87,100	
Interior Architecture		\$117,000
Mechanical		\$104,500
Total	\$87,100	\$221,500
Importance Code A	\$87,100	
Importance Code B		\$221,500
Total	\$87,100	\$221,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$95,000	\$700		
Interior Architecture	\$29,800	\$1,300	\$200	\$500
Electrical	\$3,300	\$4,500	\$700	\$700
Mechanical	\$28,400	\$29,300	\$3,400	\$1,400
Total	\$156,500	\$35,800	\$4,300	\$2,600
Importance Code A	\$95,400	\$1,100	\$400	\$400
Importance Code B	\$58,400	\$34,600	\$3,900	\$2,200
Importance Code C	\$2,700			
Total	\$156,500	\$35,800	\$4,300	\$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. 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+	\$30,400	LIFE	* *	5	\$18,900	
		Broken/Missing Elements, Extent : Light, Area Affected : 1%							
		Location : Front Facade							
	Masonry: Limestone	10%	2-4	\$3,500	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	\$26,500	2056	* *	5	\$300	
		Crwt/Balnc Not Funct, Extent : Severe, Area Affected : 80%							
		Location : Throughout							
Parapets									
	Cast Stone/Terra Cotta	15%	2-4	\$4,700	LIFE	* *	5	\$2,000	
		Caulking Deteriorated, Extent : Moderate, Area Affected : 100%							
		Location : Cast Stone Copings							
	Masonry: Brick	85%	2-4	\$18,500	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%			2025	\$87,100	5	\$22,900	
		Water Penetration, Extent : Severe, Area Affected : 5%							
		Location : 2nd Floor Ceiling							
Interior									
Floors									
	Cast in Place Concrete	45%			LIFE	* *	5	\$14,200	
		Cracking/Crumbling, Extent : Light, Area Affected : 2%							
		Location : Apparatus Floor							
	Ceramic Tile	10%	Now	\$1,600	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	\$117,000	3	\$2,200	
	Vinyl Tile	10%			2039	* *	3	\$500	
		Recent Installation, Extent : N/A, 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	**			
		Spalling, Extent : Light, Area Affected : 2% Location : Cellar And Stairwell To Cellar							
	Ceramic Tile	5%	Now	\$600	2044	**	5	\$300	
		Worn/Eroded, Extent : Severe, Area Affected : 1% Location : Apparatus Floor Toilet							
	Concrete Masonry Unit	5%			LIFE	**	5	\$200	
	Plaster	40%	Now	\$2,100	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	**			
Ceilings									
	AcousTileSusp.Lay-In	10%			2036	**	5	\$1,400	
	Exposed Struc: Concrete	30%			LIFE	**	5	\$700	
	Metal Panel	2%			LIFE	**	5	\$400	
	Plaster	58%	Now	\$24,900	LIFE	**	5	\$5,200	
		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	\$21,600	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)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Panelboards								
	Fused Disc Sw	5%		2030	\$2,400	5		
	Molded Case Bkrs	45%		2047	* *	5	\$100	
	Molded Case Bkrs	50%		2030	\$24,200	5	\$100	
Motor Controllers								
	Locally Mounted	100%		2029	\$17,800	5	\$100	
Stand-by Power								
Transfer Switches								
	Automatic	100%		2044	* *	1	\$2,500	
Generators								
	Diesel	100%		2040	* *	1	\$3,200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : One 40 Kilowatts, 50 Kilovolt-ampere								
Batteries								
	Lead/Acid	100%		2025	\$2,400	5	\$300	
Fuel Storage								
	Day Tank	50%		2047	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Generator Area								
Explanation : One 50 Gallons								
	Main Tank	50%		2034	\$37,500	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 550 Gallons								
Lighting								
Interior Lighting								
	Fluorescent	30%		2031	\$21,000	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	\$3,800	10		
	LED	10%		2039	* *			
	No Component	80%						
Alarm								
Fire/Smoke Detection								
	No Component	80%						
	Generic, Digital	20%		2031	\$4,200	1-3	\$1,100	

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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
Heating									
	Energy Source								
	Natural Gas	100%			2051	**	1		
	Conversion Equipment								
	Hot Water Boiler	100%			2044	**	1	\$4,100	
	Distribution								
	Hot Wtr Piping/Pump	50%			2039	**	4	\$200	
	Hot Wtr Piping/Pump	50%	Now	\$1,800	2047	**	4	\$200	
	Controller Not Working, Extent : Moderate, Area Affected : 100%								
	Location : Throughout. Defective Thermostat Heating Control								
	Terminal Devices								
	Convactor/Radiator	90%			2036	**	1	\$2,400	
	Unit Heater - Steam	10%			2031	\$4,600	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	\$15,900	2041	**	2	\$100	
	Other Observation, Extent : Severe, Area Affected : 100%								
	Location : Roof								
	Explanation : Split Unit Serves 2nd Floor								
	Window/Wall Unit	40%			2026	\$12,200	1		
	No Component	15%							
	Distribution								
	Ductwork/Diffusers	65%			LIFE	**	2	\$7,000	
	No Component	35%							
	Terminal Devices								
	Fan Coil - 2 Pipe	50%			2031	\$104,500	1	\$1,300	
	No Component	50%							
	Heat Rejection								
	Dry Cooler	50%			2026	\$15,700	2	\$2,900	
	No Component	50%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,600	
	Exhaust Fans								
	Interior	45%	0-2	\$6,400	2036	**	2	\$100	
	Other Observation, Extent : Severe, Area Affected : 100%								
	Location : Apparatus And Locker Room								
	Explanation : No Ventilation In Apparatus And Locker Room								
	Roof	50%			2031	\$7,800	2	\$100	
	Wall Unit	5%			2031	\$200	2		

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

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2041	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
		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	\$1,000	LIFE	* *	1		
		Leak Evident, Extent : Moderate, Area Affected : 100%							
		Location : 2nd Floor Bathroom. Waste Piping Leaking							
	Cast Iron	10%	Now	\$1,000	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	\$1,100	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 100%							
		Location : Occasional Sewer Backup In Apparatus Room							
Sump Pump(s)									
	Submersible	100%			2025	\$200	4	\$300	
Fixtures									
	Generic	100%							

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 220/LADDER CO. 122
Address : 530 11th STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSLAD.122 / 13224 **Yr Built/Renovated** : 1865 / 1988
Area Sq Ft : 4,508 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-Jan-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1096 **Lot** : 25 **BIN** : 3026278

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$53,200	
Interior Architecture	\$59,000	
Total	\$112,200	
Importance Code A	\$53,200	
Importance Code B	\$59,000	
Total	\$112,200	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$52,600	\$1,000		\$9,800
Interior Architecture	\$43,200	\$200		\$300
Electrical	\$10,200	\$100		\$5,200
Mechanical	\$14,700	\$35,600	\$7,600	\$11,400
Site Enclosure	\$27,200			
Site Pavements	\$4,600			
Total	\$152,400	\$36,800	\$7,600	\$26,800
Importance Code A	\$52,800	\$1,200	\$200	\$10,100
Importance Code B	\$57,600	\$35,400	\$7,400	\$16,700
Importance Code C	\$42,000	\$200		
Total	\$152,400	\$36,800	\$7,600	\$26,800



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** 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	\$2,200	LIFE	**	5	\$1,900	1	
Cracking/Crumbling, Extent : Severe, Area Affected : 20%									
Location : Rear Facade									
Masonry: Brick	35%	Now	\$53,200	LIFE	**	5	\$6,600		
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%									
Location : Throughout									
Spalling, Extent : Moderate, Area Affected : 20%									
Location : Rear Facade									
Vegetation Growth, Extent : Moderate, Area Affected : 15%									
Location : Rear Facade									
Masonry: Limestone	50%	Now	\$36,400	LIFE	**	5	\$7,100		
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%									
Location : Front Facade									
Metal Panel	5%			2053	**	5-10	\$6,500		
Wood	3%	Now	\$4,800	2038	**	5	\$1,400		
Broken/Missing Elements, Extent : Severe, Area Affected : 15%									
Location : Upper Left Corner Of Front Facade									
Other Observation, Extent : Light, Area Affected : 100%									
Location : Front Elevation Of Ladder 122									
Explanation : Wood Framed Cornice									
Wood Overhead Doors	5%			2038	**	5	\$4,700		
Windows									
Aluminum	100%	Now	\$1,700	2049	**	5	\$400		
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%									
Location : Ladder Company Side									
Parapets									
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$700		
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%									
Location : Throughout									
Masonry: Brick	55%	Now	\$5,900	LIFE	**	5	\$500		
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 15%									
Location : Throughout									
Masonry: Limestone	20%			LIFE	**	5	\$200		
Metal Rail	10%			2046	**	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%			2061	**	10	\$800		
Modified Bitumen	90%			2038	**	10	\$5,700		
Skylight, Metal/Glass	4%			2053	**	10	\$800		
Skylight, Plastic	1%			2038	**	1			
Other Observation, Extent : Light, Area Affected : 25%									
Location : Engine Company Side									
Explanation : Two Skylights Have Been Sealed									

Note : 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. 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+	\$11,200	LIFE	* *	5	\$5,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Basement								
Ceramic Tile	10%	Now	\$700	2036	* *	5	\$300	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Laundry Room								
Vinyl Tile	35%	Now	\$12,700	2038	* *	3	\$900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Loose/Delam Surface, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Locker Room								
Worn/Eroded, Extent : Moderate, Area Affected : 40%								
Location : Throughout								
Wood	15%	Now	\$59,000	2073	* *	5	\$900	
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%			2036	* *	5	\$500	
Concrete Masonry Unit	5%			LIFE	* *	5	\$200	
Gypsum Board	31%			LIFE	* *	5	\$1,700	
Masonry: Brick	5%	Now	\$4,300	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Basement Gymnasium								
Granite Panels	3%	Now	\$2,500	LIFE	* *			
Broken/Missing Elements, Extent : Light, Area Affected : 2%								
Location : Throughout								
Plaster	31%	Now	\$3,400	LIFE	* *	5	\$900	
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : Under Sealed Skylights								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Stairwell								
SGFT/Glazed Masonry	15%			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. 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

Ceilings

AcousTileSusp.Lay-In 15% Now \$3,300 2046 * * 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% Now \$2,000 LIFE * * 5 \$300

Broken/Missing Elements, Extent : Light, Area Affected : 5%

Location : Apparatus Floor Engine Company

Paint Peeling, Extent : Moderate, Area Affected : 60%

Location : Apparatus Floor Engine Company

Exposed Struc: Steel 15% LIFE * *

Gypsum Board 30% LIFE * * 5 \$2,500

Plaster 30% Now \$3,000 LIFE * * 5 \$1,300

Cracking/Crumbling, Extent : Light, Area Affected : 10%

Location : Stairway And Under Skylight

Site Enclosure

Free Standing Walls

Masonry: Brick 100% Now \$27,200 2053 * *

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% 2038 * *

On-Site Walkways

Cast in Place Concrete 100% Now \$4,600 2038 * *

Cracking/Crumbling, Extent : Light, Area Affected : 25%

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% 2043 * * 5

Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : Main Service Disconnect Switch Rated At 600 Amperes.

Switchgear / Switchboard

Fused Disc Sw 100% 2043 * * 5

*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. 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
Under 600 Volts									
	Raceway								
	Conduit	30%			2043	* *	1		
	Conduit	70%			2033	\$25,200	1		
Panelboards									
	Fused Disc Sw	10%			2032	\$4,800	5		
	Molded Case Bkrs	90%			2041	* *	5	\$100	
Wiring									
	Thermoplastic	30%			2043	* *	1		
	Thermoplastic	70%			2033	\$22,800	1		
Motor Controllers									
	Locally Mounted	100%			2031	\$17,800	5		
Ground									
	Grounding Devices								
	Generic	100%	0-2	\$10,200	LIFE	* *	5	\$100	
		Corroded, Extent : Moderate, Area Affected : 100%							
		Location : Basement							
Lighting									
	Interior Lighting								
	LED	100%			2041	* *			
Egress Lighting									
	Emergency, Battery	50%			2028	\$3,700	10	\$500	
	Exit, Service	50%			2028	\$900	1		
Exterior Lighting									
	HID	30%			2033	\$6,200	10		
	No Component	70%							

Mechanical		Current Repair		Future 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%			2053	* *	1		
	Conversion Equipment								
	Furnace	40%			2041	* *	1	\$900	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Roof							
		Explanation : 2 Rooftop Package Units							
	Hot Water Boiler	60%			2050	* *	1	\$1,300	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Unit							
Distribution									
	Hot Wtr Piping/Pump	60%			2041	* *	4	\$200	
	No Component	40%							

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

Mechanical			Current Repair		Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Terminal Devices								
	Convactor/Radiator	40%			2038	**	1	\$600	
	Unit Heater - Steam	20%			2033	\$5,000	4	\$100	
	No Component	40%							
Air Conditioning									
	Energy Source								
	Electricity	100%			2049	**	1		
	Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	50%			2041	**	2	\$100	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Roof							
		Explanation : 2 Rooftop Package Units. 1 Condemned Unit In Engine Side Courtyard							
	Window/Wall Unit	25%			2028	\$4,200	1		
	No Component	25%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	75%			LIFE	**	2-5	\$1,900	
	No Component	25%							
	Exhaust Fans								
	Roof	100%			2038	**	2	\$100	
Plumbing									
	H/C Water Piping								
	Brass/Copper	5%	0-2	\$1,700	2053	**	1		
		Corroded, Extent : Moderate, Area Affected : 60%							
		Location : Water Main Valve							
	Brass/Copper	95%			2053	**	1		
	Water Heater With Tanks								
	Gas Fired	100%			2032	\$33,400	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon Units							
	Sanitary Piping								
	Cast Iron	100%	0-2	\$5,500	LIFE	**	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 10%							
		Location : Basement							
		Corroded, Extent : Moderate, Area Affected : 10%							
		Location : Front Of The Basement							
	Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1		
	Sump Pump(s)								
	Submersible	100%			2026	\$100	4	\$100	
	Sewage Ejector(s)								
	Electric	100%			2038	**	4	\$300	
	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. 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
Fire Suppression	Sprinkler								
	Generic	100%			2043	* *	1-2	\$1,300	
	Chemical System								
	Generic	100%			2026	\$19,900	1-3	\$93,000	
	Other Observation, Extent : N/A, Area Affected : 100%								
Location : Kitchen									
Explanation : 1 Set Covers 25 Square Feet									

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028		FY 2029 - 2034	
Exterior Architecture	\$67,200			
Interior Architecture			\$76,000	
Electrical			\$52,000	
Total	\$67,200		\$128,000	
Importance Code A	\$67,200			
Importance Code B			\$52,000	
Importance Code C			\$76,000	
Total	\$67,200		\$128,000	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$43,300	\$13,300		
Interior Architecture	\$111,800		\$500	
Electrical	\$1,100	\$100		
Mechanical	\$3,700	\$23,000	\$1,000	\$1,100
Site Pavements	\$5,400			
Total	\$165,200	\$36,500	\$1,500	\$1,200
Importance Code A	\$43,900	\$13,900	\$600	\$600
Importance Code B	\$87,400	\$22,500	\$900	\$600
Importance Code C	\$33,900			
Total	\$165,200	\$36,500	\$1,500	\$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. 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	\$67,200	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	\$600	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	\$3,200	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	\$39,400	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	\$300	
	Metal Panel	5%			2051	* *	5	\$400	
		Other Observation, Extent : N/A, Area Affected : 15%							
		Location : Parapet At Front Of Building							
		Explanation : Metal Cap On Top Of Limestone Parapet							
	Slate	15%			LIFE	* *	5	\$300	
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	\$34,300	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	\$500	2034	\$25,300	5	\$200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%								
Location : 2nd Floor Bathroom								
Quarry Tile	5%	0-2	\$3,300	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	\$21,000	LIFE	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Ceramic Tile	10%			2034	\$76,000	5	\$1,400	
Gypsum Board	15%			LIFE	* *	5	\$1,300	
Masonry: Brick	15%			LIFE	* *			
Plaster	30%	Now	\$5,000	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+	\$2,500	LIFE	* *			
Punct/Tear/Impact Damage, Extent : Light, Area Affected : 1%								
Location : Apparatus Floor								
Ceilings								
AcousTileSusp.Lay-In	10%			2044	* *	5	\$1,000	
Exposed Struc: Concrete	15%	Now	\$45,100	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	\$4,800	
Site Enclosure								
Fence/Gates								
Chain Link	95%			2051	* *			
Iron Picket	5%			2066	* *			
Site Pavements								

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

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

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

Site Pavements

On-Site Walkways

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

Cast in Place Concrete	100%	Now	\$5,400	2051		**			
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Cracking/Crumbling, Extent : Moderate, Area Affected : 40%

Location : Front Of Driveway

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

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2041		**	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : Main Service Disconnect Switch Rated At 400 Amperes.

Switchgear / Switchboard

Molded Case Bkrs	100%			2041		**	5	\$200	
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Raceway

Conduit	100%			2041		**	1		
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Panelboards

Fused Disc Sw	20%			2039		**	5		
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Molded Case Bkrs	80%			2039		**	5	\$100	
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Wiring

Thermoplastic	100%			2041		**	1		
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Motor Controllers

Locally Mounted	100%			2029		\$17,800	5		
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Ground

Grounding Devices

Generic	100%			LIFE		**	5	\$100	
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Lighting

Interior Lighting

Fluorescent	100%			2031		\$52,000	10	\$5,600	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Throughout The Building

Explanation : T-8 Lamps

Egress Lighting

Exit, Service	100%			2031		\$2,600	1		
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Exterior Lighting

HID	20%			2031		\$5,600	10		
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No Component	80%								
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Alarm

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

Electrical		Current Repair			Future Replacement		Maintenance		
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

\$1,100

2041

* *

1

\$200

*Other Observation, Extent : Severe, Area Affected : 100%**Location : Front Of The Building**Explanation : CCTV Surveillance Cameras Not Functional*

Mechanical		Current Repair			Future Replacement		Maintenance		
System	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 : N/A, Area Affected : 100%**Location : 1 Unit In Basement*

Distribution

Steam Piping/Pump

100%

2031

\$47,900

Terminal Devices

Convactor/Radiator

60%

2029

\$29,400

1

\$1,200

Convactor/Radiator

40%

2044

* *

1

\$800

Air Conditioning

Energy Source

Electricity

100%

2039

* *

1

Conversion Equipment

Split Unit

30%

2036

* *

Window/Wall Unit

10% 0-2

\$1,400

2031

\$2,300

1

*Broken, Extent : Moderate, Area Affected : 50%**Location : 2nd Floor Officers Office**Damaged, Extent : Moderate, Area Affected : 100%**Location : 2nd Floor**On Extended Life, Extent : Moderate, Area Affected : 100%**Location : 2nd Floor*

Window/Wall Unit

20%

2026

\$4,500

1

No Component

40%

Terminal Devices

Fan Coil - 2 Pipe

30%

2036

* *

1

\$600

No Component

70%

Heat Rejection

Air Cooled Condenser

30%

2036

* *

2

\$1,300

Unit

No Component

70%

Ventilation

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

Mechanical		Current Repair			Future Replacement		Maintenance		
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	\$1,100	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	\$500	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 With Tanks									
	Gas Fired	100%			2026	\$16,700	2		
		Other Observation, Extent : N/A, 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%							

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$171,700	
Interior Architecture		\$190,500
Electrical		\$74,200
Mechanical		\$51,500
Total	\$171,700	\$316,100
Importance Code A	\$171,700	
Importance Code B		\$237,200
Importance Code C		\$79,000
Total	\$171,700	\$316,100

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$800	\$12,200		
Interior Architecture	\$27,300			\$500
Electrical	\$100	\$5,600	\$100	\$100
Mechanical	\$5,300	\$58,700	\$1,100	\$600
Site Enclosure	\$12,500			
Total	\$46,000	\$76,600	\$1,200	\$1,200
Importance Code A	\$800	\$12,200		
Importance Code B	\$28,300	\$64,400	\$1,200	\$1,200
Importance Code C	\$16,900			
Total	\$46,000	\$76,600	\$1,200	\$1,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
ENGINE CO. 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	\$5,300	
	Metal Sect. OHD	10%			2036	**	5	\$3,300	
	Pre-Cast Concrete	40%			LIFE	**	5	\$13,700	
Windows									
	Aluminum	100%	Now	\$51,600	2056	**	5	\$600	
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	\$800	2036	**	5	\$400	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%									
Location : Rear Parapet									
	Pre-Cast Concrete	20%			LIFE	**	5	\$1,500	
	Stucco Cement	70%			2029	\$49,600	5	\$2,100	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Upper Roof									
Explanation : Stucco Parged Over Brick									
Roof									
	Built-Up (BUR)	100%			2026	\$120,200	10	\$10,500	
Interior									
Floors									
	Cast in Place Concrete	45%			LIFE	**	5	\$13,600	
	Mosaic Tile	10%	Now	\$6,300	2036	**	5	\$1,700	
Broken/Missing Elements, Extent : Light, Area Affected : 5%									
Location : Bathrooms									
	Terrazzo	15%	4+	\$9,400	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	\$5,600	2031	\$111,500	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.
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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	\$79,000	5	\$1,500	
		Recent Repair Evident, Extent : N/A, Area Affected : 10%							
		Location : 1st Floor							
	Gypsum Board	10%			LIFE	**	5	\$900	
	Plaster	25%	Now	\$4,400	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	**			
	SGFT/Glazed Masonry	50%			LIFE	**			
Ceilings									
	AcousTileSusp.Lay-In	45%	4+	\$1,600	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 Struc: Concrete	40%			LIFE	**	5	\$700	
	Gypsum Board	5%			LIFE	**	5	\$700	
	Plaster	10%			LIFE	**	5	\$700	
		Paint Peeling, Extent : Moderate, Area Affected : 25%							
		Location : Throughout							
Site Enclosure									
Fence/Gates									
	Chain Link	50%	2-4	\$4,000	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	\$2,600	2041	**			
		Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%							
		Location : Side Rear Yard							
Free Standing Walls									
	Masonry: Brick	100%	2-4	\$5,900	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	**			

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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	\$17,800	5	\$100	
Lighting									
	Interior Lighting								
	Fluorescent	95%			2031	\$74,200	10	\$8,000	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Throughout The Building							
		Explanation : T-8 Lamps							
	Incandescent	5%			2026	\$5,600	2		
	Egress Lighting								
	Exit, Service	100%			2031	\$3,900	1		
	Exterior Lighting								
	LED	30%			2039	* *			
	No Component	70%							
Alarm									
	Security System								
	No Component	80%							
	Generic	20%			2039	* *	1	\$700	
		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	\$500	

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FIRE DEPARTMENT - 057
ENGINE CO. 222/BATTALION 37/ COMBINED FACILITY 81ST PCT
Asset # : 13115

Mechanical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Terminal Devices								
	Convactor/Radiator	70%			2029	\$51,500	1	\$2,100	
	Unit Heater - Hot Water	30%	Now	\$1,600	2026	\$16,000			
	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	\$17,000	1		
	No Component	40%							
	Terminal Devices								
	Fan Coil - 2 Pipe	10%			2036	**	1	\$300	
	No Component	90%							
	Heat Rejection								
	Air Cooled Condenser Unit	10%			2036	**	2	\$600	
	No Component	90%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	60%			LIFE	**	2-5	\$3,100	
	No Component	40%							
	Exhaust Fans								
	Roof	10%	0-2	\$300	2036	**	2		
	Dented, Extent : Moderate, Area Affected : 30%								
	Location : Roof Kitchen Fan								
	Roof	50%			2036	**	2	\$100	
	Wall Unit	10%			2026	\$400	2		
	No Component	30%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2041	**	1		
	Water Heater With Tanks								
	Electric	100%			2026	\$23,100	4		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : 1st Floor								
	Explanation : Two 120 Gallon Units								
	Sanitary Piping								
	Cast Iron	100%	0-2	\$2,300	LIFE	**	1		
	Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
	Location : Apparatus Floor								
	Storm Drain Piping								
	Cast Iron	100%	0-2	\$600	LIFE	**	1		
	Blockage /Clogged, Extent : Moderate, Area Affected : 5%								
	Location : Rear Yard								

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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	\$200	1-3	\$700	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Kitchen							
		Explanation : 1 Set							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$66,100	\$58,100
Interior Architecture	\$87,100	\$172,900
Electrical		\$69,700
Total	\$153,200	\$300,700
Importance Code A	\$66,100	\$58,100
Importance Code B	\$87,100	\$186,300
Importance Code C		\$56,300
Total	\$153,200	\$300,700

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$37,500	\$5,700		
Interior Architecture	\$58,900	\$500		\$300
Electrical	\$5,100	\$53,200		
Mechanical	\$6,800	\$800	\$800	\$800
Total	\$108,300	\$60,100	\$800	\$1,100
Importance Code A	\$38,000	\$6,200	\$500	\$500
Importance Code B	\$56,500	\$53,900	\$300	\$600
Importance Code C	\$13,800			
Total	\$108,300	\$60,100	\$800	\$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. 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	\$16,000	
	Masonry: Granite	5%	4+	\$3,400	LIFE	* *	5	\$1,000	
	Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%								
	Location : Throughout								
	Masonry: Limestone	10%	4+	\$6,700	LIFE	* *	5	\$2,000	
	Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%								
	Location : Throughout								
	Masonry: Limestone	20%			LIFE	* *	5	\$4,000	
	Wood Overhead Doors	5%			2036	* *	5	\$6,700	
Windows									
	Aluminum	100%	Now	\$66,100	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 : Throughout								
	Hardware Missing, Extent : Severe, Area Affected : 10%								
	Location : Throughout								
Parapets									
	Masonry: Brick	85%	4+	\$5,200	LIFE	* *	5	\$1,900	
	Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%								
	Location : Throughout								
	Pre-Cast Concrete	15%	4+	\$600	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	\$2,900	2031	\$58,100			
	Blisters, Extent : Light, Area Affected : 5%								
	Location : Roof								
	Skylight, Metal/Glass	5%	2-4	\$18,700	2051	* *			
	Corrosion/Rusting, Extent : Moderate, Area Affected : 10%								
	Location : Roof Skylight								

Interior

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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	\$38,000	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 Insufficient To Carry Current Loads								
	Ceramic Tile	10%			2034	\$52,400	5	\$900	
	Quarry Tile	5%			2036	* *	5	\$700	
	Vinyl Tile	25%	0-2	\$1,300	2031	\$64,200	3	\$800	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
	Location : 2nd Floor Stair								
	Wood	20%	2-4	\$2,200	2046	* *	5	\$1,600	
	Deteriorated Finish, Extent : Moderate, Area Affected : 30%								
	Location : Throughout								
Interior Walls									
	Ceramic Tile	8%			2034	\$56,300	5	\$1,000	
	Concrete Masonry Unit	5%			LIFE	* *	5	\$200	
	Gypsum Board	5%			LIFE	* *	5	\$400	
	Masonry: Brick	18%	4+	\$8,800	LIFE	* *			
	Vertical Cracks, Extent : Light, Area Affected : 2%								
	Location : Cellar								
	Water Penetration, Extent : Light, Area Affected : 5%								
	Location : Cellar								
	Masonry: Fieldstone	5%	4+	\$2,900	LIFE	* *			
	Other Observation, Extent : Severe, Area Affected : 20%								
	Location : Cellar Foundation Wall Adjacent To Stairwell								
	Explanation : Eroded Mortar Joints								
	Plaster	34%	4+	\$2,100	LIFE	* *	5	\$1,200	
	Paint Peeling, Extent : Light, Area Affected : 5%								
	Location : Stairwell								
	SGFT/Glazed Masonry	25%			LIFE	* *			

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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+	\$3,600	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 Struc: Concrete	25%	Now	\$87,100	LIFE	**	5	\$300	
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*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	\$500	
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Site Enclosure**Free Standing Walls**

Masonry: Brick	100%			2041	**			
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Site Pavements**Public Sidewalk**

Cast in Place Concrete	100%			2044	**			
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Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts**Service Equipment**

Fused Disc Sw	100%			2031		\$16,200	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Main Service Disconnect Switch Rated At 200 Amperes.***Switchgear / Switchboard**

Molded Case Bkrs	100%			2031		\$69,700	5	\$100	
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Raceway

Conduit	90%			2041	**		1		
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Conduit	10%	0-2	\$3,900	2061	**		1		
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*Corroded, Extent : Moderate, Area Affected : 100%**Location : Basement***Panelboards**

Fused Disc Sw	20%			2030		\$10,600	5		
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Molded Case Bkrs	60%			2030		\$31,900	5	\$100	
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Molded Case Bkrs	20%			2039	**		5		
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Wiring

Thermoplastic	100%			2031		\$35,700	1		
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Motor Controllers

Locally Mounted	100%			2029		\$19,500	5		
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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 \$47,100 10 \$4,600

*Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout**Explanation : T-8 Lamps*

LED

5% 2039 * *

Exterior Lighting

HID

5% 2026 \$1,300 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

Convactor/Radiator

100% 2029 \$46,700 1 \$1,700

Air Conditioning

Energy Source

Electricity

100% 2039 * * 1

Conversion Equipment

Window/Wall Unit

40% 0-2 \$900 2029 \$8,700 1

*Not in Service, Extent : Moderate, Area Affected : 15%**Location : 2nd Floor*

No Component

60%

Ventilation

Distribution

Ductwork/Diffusers

5% 4+ \$2,500 LIFE * * 2-5 \$200

*Corroded, Extent : Moderate, Area Affected : 30%**Location : Kitchen Hood Duct*

No Component

95%

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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	\$1,700	2		
	No Component	85%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	80%			2041	* *	1		
	Galvanized Steel	20%	0-2	\$700	2029	\$14,600	1		
	Corroded, Extent : Moderate, Area Affected : 20%								
	Location : Water Main Valve, Basement								
	Water Heater With Tanks								
	Gas Fired	100%			2029	\$18,300	2		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : Two 75 Gallon Units								
	Sanitary Piping								
	Cast Iron	100%	0-2	\$1,400	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%			2025	\$200	4	\$200	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	99%							
	Generic	1%			2025	\$200	1-3	\$800	
	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$95,500	\$124,600
Interior Architecture		\$172,200
Electrical		\$99,500
Mechanical		\$39,900
Total	\$95,500	\$436,200
Importance Code A	\$95,500	\$124,600
Importance Code B		\$207,900
Importance Code C		\$103,600
Total	\$95,500	\$436,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$89,900	\$4,100		
Interior Architecture	\$35,300	\$300	\$400	
Electrical	\$3,100	\$700	\$600	\$600
Mechanical	\$12,900	\$24,900	\$1,100	\$700
Site Pavements	\$3,200			
Total	\$144,500	\$30,000	\$2,100	\$1,300
Importance Code A	\$90,300	\$4,500	\$400	\$400
Importance Code B	\$40,900	\$25,500	\$1,700	\$900
Importance Code C	\$13,300			
Total	\$144,500	\$30,000	\$2,100	\$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+	\$16,500	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+	\$5,900	2044	* *	5	\$6,600	
	Broken/Missing Elements, Extent : Light, Area Affected : 1%								
	Location : Exterior Soffit At Side Entrance Of Building								
Windows									
	Aluminum	100%	Now	\$95,500	2056	* *	5	\$1,000	
	Air Infiltration, Extent : Moderate, Area Affected : 75%								
	Location : Throughout								
	Cttrw/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+	\$1,800	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	\$37,400	2031	\$124,600			
	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								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific 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	\$12,400	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	\$68,600	5	\$1,200	
	Terrazzo	5%			LIFE	* *	5	\$500	
	Vinyl Tile	25%			2036	* *	3	\$1,200	
Interior Walls									
	Cast in Place Concrete	10%			LIFE	* *			
	Ceramic Tile	10%	Now	\$2,100	2034	\$103,600	5	\$1,000	
	Broken/Missing Elements, Extent : Light, Area Affected : 5%								
	Location : Kitchen								
	Concrete Masonry Unit	5%			LIFE	* *	5	\$400	
	Masonry: Brick	2%			LIFE	* *			
	Plaster	35%	0-2	\$8,000	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	* *			
	Wood	3%			LIFE	* *	5	\$2,300	
Ceilings									
	AcousTileSusp.Lay-In	5%			2036	* *	5	\$600	
	Exposed Struc: Concrete	20%	2-4	\$7,300	LIFE	* *	5	\$400	
	Cracking/Crumbling, Extent : Light, Area Affected : 1%								
	Location : Basement								
	Plaster	75%	Now	\$5,500	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	\$29,700				
Cast in Place Concrete	80%	2-4	\$3,200	2036	**				

Cracking/Crumbling, Extent : Light, Area Affected : 1%

Location : Overhead Door Apron

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

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2041	**	5			
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : Main Service Disconnect Switch Rated At 400 Amperes

Switchgear / Switchboard

Molded Case Bkrs	100%			2041	**	5		\$200	
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Raceway

Conduit	85%			2041	**	1			
Conduit	15%			2051	**	1			

Panelboards

Molded Case Bkrs	85%			2039	**	5		\$200	
Molded Case Bkrs	15%			2047	**	5			

Wiring

Thermoplastic	85%			2041	**	1			
Thermoplastic	15%			2051	**	1			

Motor Controllers

Locally Mounted	100%			2036	**	5		\$100	
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Ground

Grounding Devices

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

Transfer Switches

Automatic	100%			2036	**	1		\$2,600	
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Generators

Diesel	100%			2034	\$99,500	1		\$3,200	
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Side Yard

Explanation : 81 Kilovolt Amperes

Batteries

Lead/Acid	100%			2025	\$2,400	5		\$300	
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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. 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

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Side Yard**Explanation : 60 Gallons Rated Capacity*

Main Tank

90%

2046

* *

5

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : 550 Gallons Rated Capacity*

Lighting

Interior Lighting

LED

100%

2036

* *

Egress Lighting

Emergency, Service

50%

2031

\$2,500

1

Exit, Service

50%

2031

\$1,800

1

Exterior Lighting

LED

30%

2036

* *

No Component

70%

Mechanical

System Component Type		% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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Heating

Energy Source

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

\$400

Terminal Devices

Convactor/Radiator

60%

2029

\$39,900

1

\$1,600

Convactor/Radiator

20%

2044

* *

1

\$500

Unit Heater - Hot Water

20%

2026

\$9,600

Air Conditioning

Energy Source

Electricity

100%

2039

* *

1

*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. 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	\$1,300	2026	\$13,400	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%			2025	\$6,200	1		
	Window/Wall Unit	25%			2029	\$7,700	1		
	No Component	40%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	25%	2-4	\$1,800	LIFE	* *	2-5	\$1,200	
		Corroded, Extent : Moderate, Area Affected : 15% Location : Kitchen Hood Exhaust Duct							
	No Component	75%							
Exhaust Fans									
	Roof	15%			2039	* *	2		
	Roof	10%			2031	\$1,600	2		
	Wall Unit	50%	0-2	\$1,800	2041	* *	2	\$100	
		Other Observation, Extent : N/A, 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 With Tanks									
	Gas Fired	100%			2029	\$16,700	2		
		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	\$1,100	4	\$200	
	Submersible	30%	0-2	\$200	2025	\$800	4	\$100	
		Not in Service, Extent : Moderate, Area Affected : 30% Location : Gymnasium In Basement							
Backflow Preventer									
	No Component	95%							
	Generic	5%			2036	* *	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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** 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)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Fire Suppression								
Chemical System								
No Component		99%						
Generic		1%		2025	\$200	1-3	\$800	

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

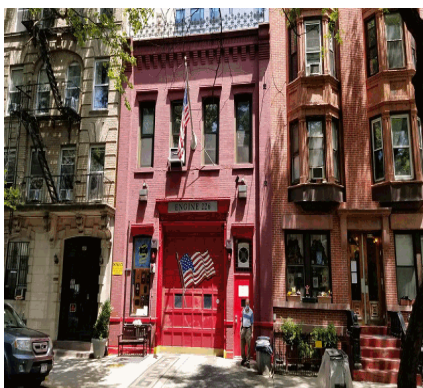
Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 226
Address : 409 STATE STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.226 / 13118 **Yr Built/Renovated** : 1889 /
Area Sq Ft : 3,718 **Project Type** : FIRE DEPARTMENT
Date of Survey : 19-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 172 **Lot** : 48 **BIN** : 3000562

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$104,100	
Interior Architecture	\$72,700	\$69,000
Total	\$176,800	\$69,000
Importance Code A	\$104,100	
Importance Code B	\$72,700	\$69,000
Total	\$176,800	\$69,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$10,400	\$13,500		
Interior Architecture	\$44,000	\$700		\$300
Electrical	\$2,700	\$3,600	\$300	\$300
Mechanical	\$600	\$3,300	\$700	\$600
Site Enclosure	\$21,300			
Total	\$79,000	\$21,100	\$1,000	\$1,200
Importance Code A	\$10,800	\$13,900	\$400	\$400
Importance Code B	\$44,100	\$7,300	\$700	\$800
Importance Code C	\$24,200			
Total	\$79,000	\$21,100	\$1,000	\$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. 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	\$104,100	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	\$1,200	
		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+	\$4,500	2039	* *	5	\$500	
		Broken/Missing Elements, Extent : Light, Area Affected : 50%							
		Location : Throughout							
Parapets									
	Masonry: Brick	50%			LIFE	* *	5	\$900	
	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	\$600	
Roof									
	Modified Bitumen	85%			2036	* *	10	\$4,700	
	Roll Roofing	15%			2025	\$5,200	5	\$1,400	
		Worn/Eroded, Extent : Moderate, Area Affected : 25%							
		Location : Over Kitchen							
Interior									
	Floors								
	Cast in Place Concrete	45%	Now	\$25,500	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	\$13,800	2031	\$69,000	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+ \$2,900 LIFE * *

*Water Penetration, Extent : Moderate, Area Affected : 10%**Location : Basement*

Plaster

80% LIFE * * 5 \$1,900

Wood

10% LIFE * * 5 \$3,100

Ceilings

AcousTileSusp.Lay-In

10% 4+ \$1,800 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 \$1,400

*Paint Peeling, Extent : Moderate, Area Affected : 15%**Location : Throughout*

Exposed Struc: Concrete

35% Now \$72,700 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 \$21,300 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	\$2,400	5	\$100	
Fuel Storage									
	Main Tank	100%			2059	**	5		
	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 : N/A, 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 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

*Recent Replace Evident, Extent : N/A, Area Affected : 100%**Location : Total House*

Conversion Equipment

Steam Boiler

100%

2044

* *

1

\$3,700

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 1 Unit*

Distribution

Steam Piping/Pump

100%

2031

\$29,100

Terminal Devices

Convactor/Radiator

100%

2029

\$29,700

1

\$1,200

Air Conditioning

Energy Source

Electricity

100%

2039

* *

1

Conversion Equipment

Exterior Pkg Unit - Cooling

30%

2036

* *

2

\$100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Roof**Explanation : 1 Unit. R-410a*

Split Unit

10%

2036

* *

Window/Wall Unit

20%

2026

\$2,800

1

No Component

40%

Terminal Devices

Fan Coil - 2 Pipe

10%

2036

* *

1

\$100

No Component

90%

Heat Rejection

Air Cooled Condenser 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	\$1,700	
	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 With Tanks									
	Gas Fired	100%			2029	\$16,700	2		
	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 227
Address : 423 RALPH AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.227 / 13119 **Yr Built/Renovated** : 1907 /
Area Sq Ft : 8,440 **Project Type** : FIRE DEPARTMENT
Date of Survey : 16-Oct-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Floors 1,2,3
Block : 1445 **Lot** : 2 **BIN** : 3038838

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Mechanical		\$111,400
Total		\$111,400
Importance Code A		\$57,500
Importance Code B		\$53,900
Total		\$111,400

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$8,700			
Interior Architecture	\$600	\$1,600	\$3,000	
Electrical	\$600	\$600	\$11,400	\$600
Mechanical	\$12,700	\$2,200	\$39,400	\$2,200
Site Enclosure	\$1,900			
Total	\$24,400	\$4,300	\$53,800	\$2,800
Importance Code A	\$9,400	\$800	\$700	\$800
Importance Code B	\$12,600	\$3,500	\$53,200	\$2,000
Importance Code C	\$2,500			
Total	\$24,400	\$4,300	\$53,800	\$2,800



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

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 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%			LIFE	* *	5	\$7,300	
		Recent Construction, Extent : N/A, Area Affected : 80%							
		Location : Exterior Facades							
	Masonry: Granite	2%			LIFE	* *	5	\$100	
	Masonry: Limestone	10%			LIFE	* *	5	\$700	
		Recent Repair Evident, Extent : N/A, Area Affected : 80%							
		Location : All Facades							
	Metal Sect. OHD	8%	Now	\$5,200	2037	* *	5	\$1,100	
		Unit Inoperable, Extent : Moderate, Area Affected : 50%							
		Location : Main Garage Overhead Door							
Windows									
	Aluminum	85%	0-2	\$3,600	2040	* *	5	\$100	
		Air Infiltration, Extent : Moderate, Area Affected : 30%							
		Location : Front And Rear Windows							
	Steel	15%			2054	* *	5	\$600	
		Recent Replace Evident, Extent : N/A, Area Affected : 40%							
		Location : All Facades							
Parapets									
	Cast Stone/Terra Cotta	10%			LIFE	* *	5	\$300	
		Recent Repair Evident, Extent : N/A, Area Affected : 100%							
		Location : All Facades							
		Recent Replace Evident, Extent : N/A, Area Affected : 100%							
		Location : All Facades							
	Masonry: Brick	75%			LIFE	* *	5	\$300	
		Other Observation, Extent : N/A, Area Affected : 80%							
		Location : All Facades And New Roofing							
		Explanation : Per Fire House, The Building Was Recently Rehab And Reconstructed							
	Metal Cornice	15%			2060	* *	10	\$200	
		Recent Repair Evident, Extent : N/A, Area Affected : 80%							
		Location : All Facades							
Roof									
	Built-Up (BUR)	60%			2042	* *	10	\$6,700	
		Recent Replace Evident, Extent : N/A, Area Affected : 100%							
		Location : Lower And Upper Roof							
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Lower And Upper Roof							
		Explanation : Per Fire House, New Roof Was Installed Recently							
	Modified Bitumen	40%			2032	\$47,900	10	\$4,500	
		Recent Replace Evident, Extent : N/A, Area Affected : 100%							
		Location : Upper And Lower Roof							

Interior

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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
Interior									
Floors									
	Cast in Place Concrete	50%			LIFE	**	5	\$14,000	
		Recent Replace Evident, Extent : N/A, Area Affected : 100%							
		Location : Entire Apparatus Floor Area							
	Ceramic Tile	25%			2041	**	5	\$3,200	
		Recent Repair Evident, Extent : N/A, Area Affected : 25%							
		Location : Gymnasium, Kitchen Bathrooms And Common Area							
	Wood	25%			2067	**	5	\$6,000	
		Recent Repair Evident, Extent : N/A, Area Affected : 80%							
		Location : Hallway, Locker Room And Offices							
Interior Walls									
	Ceramic Tile	30%			2045	**	5	\$1,100	
		Recent Construction, Extent : N/A, Area Affected : 80%							
		Location : Kitchen, Bathrooms And Janitor Closet							
	Masonry: Brick	20%			LIFE	**			
		Recent Repair Evident, Extent : N/A, Area Affected : 80%							
		Location : All Interior Walls							
	Plaster	20%			LIFE	**	5	\$200	
		Recent Replace Evident, Extent : N/A, Area Affected : 80%							
		Location : All Interior Walls							
	SGFT/Glazed Masonry	15%			LIFE	**			
	Wood	15%			LIFE	**	5	\$2,200	
Ceilings									
	Embossed Metal	20%			LIFE	**	5	\$1,200	
		Recent Repair Evident, Extent : N/A, Area Affected : 80%							
		Location : Throughout							
	Exposed Struc: Concrete	25%			LIFE	**	5	\$500	
		Recent Repair Evident, Extent : N/A, Area Affected : 80%							
		Location : Throughout							
	Exposed Struc: Concrete	5%			LIFE	**	5	\$100	
		Recent Repair Evident, Extent : N/A, Area Affected : 80%							
		Location : Rear Storage							
	Plaster	50%			LIFE	**	5	\$4,200	
		Recent Repair Evident, Extent : N/A, Area Affected : 80%							
		Location : Throughout							
Site Enclosure									
Fence/Gates									
	Chain Link	100%	0-2	\$1,900	2042	**			
		Broken/Missing Elements, Extent : Moderate, Area Affected : 40%							
		Location : Rear Yard							
Free Standing Walls									
	Masonry: Brick	100%			2058	**			
		Other Observation, Extent : N/A, Area Affected : 80%							
		Location : Rear Yard Walls							
		Explanation : Recent Repair							

Site Pavements

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

Estimates are rounded to the nearest hundred dollars.

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

FIRE DEPARTMENT - 057**ENGINE CO. 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	

Site Pavements

Public Sidewalk

Cast in Place Concrete

100%

2049

* *

*Other Observation, Extent : N/A, Area Affected : 90%**Location : Sidewalk**Explanation : Recently Replaced*

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

Under 600 Volts

Service Equipment

Fused Disc Sw

100%

2062

* *

5

*Recent Installation, Extent : N/A, Area Affected : 100%**Location : Basement Electrical Room**Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement Electrical Room**Explanation : One 400 Ampere Main Disconnect Switch*

Raceway

Conduit

100%

2058

* *

1

Panelboards

Molded Case Bkrs

100%

2054

* *

5

\$200

Wiring

Thermoplastic

100%

2058

* *

1

Motor Controllers

Locally Mounted

100%

2049

* *

5

\$100

Ground

Grounding Devices

Generic

100%

LIFE

* *

5

\$100

Stand-by Power

Transfer Switches

Automatic

100%

2049

* *

1

\$2,600

Generators

Diesel

100%

2045

* *

1

\$3,300

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement**Explanation : 51.25 Kilovolt Amperes 208 Volt*

Batteries

Lead/Acid

100%

2027

\$2,400

5

\$300

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*** 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
Stand-by Power									
	Fuel Storage								
	Day Tank	20%			2054	* *	5		
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Basement Generator Room							
		Explanation : 25 Gallons							
	Main Tank	80%			2067	* *	5		
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Basement Generator Room							
		Explanation : 600 Gallons							
Lighting									
	Interior Lighting								
	Fluorescent	5%			2027	\$3,600	10	\$400	
		Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%							
		Location : Ground Floor							
	LED	95%			2037	* *			
	Egress Lighting								
	Emergency, Service	50%			2027	\$2,500	1		
	Exit, Service	50%			2027	\$1,800	1		
	Exterior Lighting								
	LED	20%			2040	* *			
	No Component	80%							

Mechanical		Current Repair		Future 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	80%			2052	* *	1		
		Recent Repair Evident, Extent : N/A, Area Affected : 100%							
		Location : Basement: Recently Repaired Gas Line							
	Solar Panels	20%			2058	* *	2	\$100	
		Recent Installation, Extent : N/A, Area Affected : 20%							
		Location : First Floor: First Floor Has Solar Radiant Heating							
Conversion Equipment									
	Radiant Heater	20%			2042	* *	2	\$800	
	Steam Boiler	80%			2030	\$57,500	1	\$6,700	
Distribution									
	Steam Piping/Pump	80%			2042	* *			
	No Component	20%							
Terminal Devices									
	Convactor/Radiator	80%			2030	\$53,900	1	\$2,200	
	Unit Heater - Steam	20%			2032	\$9,400	4	\$200	
Air Conditioning									
	Energy Source								
	Electricity	100%			2048	* *	1		

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

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

Mechanical		Current Repair		Future Replacement		Maintenance			
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%			2040	* *	2	\$300	
		Recent Installation, Extent : N/A, Area Affected : 50%							
		Location : 1st Floor Roof: External Package Unit With Ducting							
	Window/Wall Unit	50%			2027	\$15,600	1		
Distribution									
	Ductwork/Diffusers	50%			LIFE	* *	2	\$5,500	
	No Component	50%							
Terminal Devices									
	Air Handler/Cool/Ht	50%			2037	* *	1	\$2,600	
	No Component	50%							
Ventilation									
	Exhaust Fans								
	Interior	50%			2027	\$18,300	2	\$100	
	Roof	50%			2032	\$8,000	2	\$100	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2042	* *	1		
		No Water Meter, Extent : Light, Area Affected : 100%							
		Location : Basement							
	Water Heater With Tanks								
	Gas Fired	100%			2030	\$16,700	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon Units							
	Sanitary Piping								
	Cast Iron	100%	2-4	\$10,400	LIFE	* *	1		
		Corroded, Extent : Moderate, Area Affected : 20%							
		Location : Basement							
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%			2025	\$300	4	\$300	
	Backflow Preventer								
	Generic	100%			2040	* *	1	\$500	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Standpipe								
	Generic	100%			2042	* *	1-5	\$4,300	
	Chemical System								
	Wet	10%			2030	\$1,600	1-3	\$8,300	
	No Component	90%							

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

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Electrical		\$63,500
Total		\$63,500
Importance Code B		\$63,500
Total		\$63,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$99,900	\$5,300	\$100	
Interior Architecture	\$30,300	\$700		\$200
Electrical		\$100		
Mechanical	\$3,800	\$3,100	\$400	\$500
Total	\$134,000	\$9,100	\$500	\$700
Importance Code A	\$100,100	\$5,500	\$200	\$200
Importance Code B	\$12,000	\$3,700	\$200	\$500
Importance Code C	\$21,900			
Total	\$134,000	\$9,100	\$500	\$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. 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	\$22,000	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	\$23,300	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	\$6,300	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	\$500	
	Masonry: Sandstone	15%			LIFE	**	5	\$200	
	Metal Panel	45%			2041	**	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. 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	\$6,500	10	\$200		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Back Yard								
	Explanation : Shed Roof								
Modified Bitumen	75%	Now	\$19,800	2031	\$49,400				
	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	\$5,900	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	\$40,100	3	\$700		
Interior Walls									
Ceramic Tile	10%			2034	\$42,100	5	\$800		
Gypsum Board	10%			LIFE	* *	5	\$500		
Masonry: Brick	30%	Now	\$21,900	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	\$1,200		
Ceilings									
Embossed Metal	35%	Now	\$1,200	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 Struc: Concrete	30%			LIFE	* *	5	\$300		
Metal Panel	5%			LIFE	* *	5	\$400		
Plaster	30%	Now	\$1,100	LIFE	* *	5	\$1,100		
	Water Penetration, Extent : Light, Area Affected : 5%								
	Location : 2nd Floor								

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** 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	

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

\$14,700

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Main Service Disconnect Switch Rated At 200 Amperes.*

Switchgear / Switchboard

Molded Case Bkrs

100%

2031

\$63,500

5

\$100

Raceway

Conduit

100%

2031

\$36,000

1

Panelboards

Fused Disc Sw

10%

2030

\$4,800

5

Molded Case Bkrs

90%

2030

\$43,600

5

\$100

Wiring

Thermoplastic

100%

2031

\$32,500

1

Ground

Grounding Devices

Generic

100%

LIFE

* *

5

\$100

Lighting

Interior Lighting

LED

100%

2039

* *

Exterior Lighting

LED

10%

2039

* *

No Component

90%

Mechanical		Current Repair			Future Replacement		Maintenance		
System	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	\$7,500	4	\$300	
	Terminal Devices								
	Convactor/Radiator	100%			2029	\$28,100	1	\$1,100	
Air Conditioning									
	Energy Source								
	Electricity	100%			2039	* *	1		
	Conversion Equipment								
	Split Unit	15%			2036	* *			
	Window/Wall Unit	20%	2-4	\$1,600	2031	\$2,600	1		
		On Extended Life, Extent : Moderate, Area Affected : 100%							
		Location : Various Locations							
	Window/Wall Unit	20%			2026	\$2,600	1		
	No Component	45%							
	Terminal Devices								
	Fan Coil - 2 Pipe	15%			2036	* *	1	\$200	
	No Component	85%							
	Heat Rejection								
	Air Cooled Condenser Unit	15%			2036	* *	2	\$400	
	No Component	85%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	10%			LIFE	* *	2-5	\$200	
	No Component	90%							
	Exhaust Fans								
	Interior	10%			2031	\$1,500	2		
	Wall Unit	25%	2-4	\$400	2041	* *	2		
		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 With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 2 Units							
	Sanitary Piping								
	Cast Iron	100%	0-2	\$900	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	\$200	LIFE	* *	1		
		Leak Evident, Extent : Moderate, Area Affected : 5%							
		Location : Kitchen Roof							
	Sump Pump(s)								
	Submersible	100%			2025	\$100	4	\$100	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	99%							
	Generic	1%			2025	\$200	1-3	\$800	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Kitchen							
		Explanation : 1 Set							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture		\$160,800
Interior Architecture	\$231,100	\$408,600
Electrical	\$3,500	\$55,500
Mechanical		\$129,400
Total	\$234,600	\$754,300
Importance Code A		\$160,800
Importance Code B	\$234,600	\$353,000
Importance Code C		\$240,500
Total	\$234,600	\$754,300

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$40,300			
Interior Architecture	\$134,900	\$900		\$800
Electrical	\$3,700	\$4,700		
Mechanical	\$23,800	\$8,800	\$1,300	\$1,300
Site Enclosure	\$4,300			
Total	\$207,000	\$14,400	\$1,400	\$2,100
Importance Code A	\$41,100	\$800	\$800	\$800
Importance Code B	\$84,000	\$13,600	\$500	\$1,300
Importance Code C	\$81,800			
Total	\$207,000	\$14,400	\$1,400	\$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.

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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	\$19,700	
		Vegetation Growth, Extent : Light, Area Affected : 10%							
		Location : West Facade							
	Masonry: Granite	2%	0-2	\$3,600	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	\$900	
	Wood Overhead Doors	8%			2029	\$52,000	5	\$9,300	
Windows									
	Aluminum	100%	Now	\$2,100	2039	* *	5		
		Broken/Missing Elements, Extent : Light, Area Affected : 10%							
		Location : 1st, 2nd And 3rd Floor							
		Crtw/Balnc Not Funct, Extent : Moderate, Area Affected : 10%							
		Location : 2nd And 3rd Floor							
Parapets									
	Cast Stone/Terra Cotta	20%			LIFE	* *	5	\$1,600	
	Masonry: Brick	80%	4+	\$2,000	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	\$32,700	2031	\$108,800			
		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	\$46,000	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	\$6,300	LIFE	* *	5	\$500	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
	Location : Stairs								
	Vinyl Tile	45%			2031	\$168,100	3	\$3,100	
	Wood	5%			2059	* *	5	\$1,300	
Interior Walls									
	Ceramic Tile	10%			2034	\$80,200	5	\$1,500	
	Ceramic Tile	20%	4+	\$32,100	2034	\$160,300	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	\$27,700	LIFE	* *			
	Water Penetration, Extent : Moderate, Area Affected : 20%								
	Location : Basement								
	Plaster	50%	0-2	\$17,700	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	\$500	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 Struc: Concrete	50%	Now	\$231,100	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+	\$3,800	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	\$4,300	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 : N/A, 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	\$28,800	1		
	Conduit	20%			2041	* *	1		
	Panelboards								
	Molded Case Bkrs	50%			2030	\$24,200	5	\$100	
	Molded Case Bkrs	50%			2039	* *	5	\$100	

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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	\$100	
Lighting									
	Interior Lighting								
	Fluorescent	5%			2026	\$3,500	10	\$400	
	Fluorescent	80%			2031	\$55,500	10	\$6,000	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : 1st, 2nd, 3rd Floor							
		Explanation : T-8 Lamps							
	Fluorescent	13%	Now	\$3,600	2041	* *			
		Other Observation, Extent : Severe, Area Affected : 100%							
		Location : 1st, 2nd, 3rd Floor							
		Explanation : T-8 Lamps							
		Not Functional							
	Incandescent	2%			2026	\$2,000	2		
	Exterior Lighting								
	HID	5%			2031	\$1,900	10		
	Incandescent	5%			2026	\$2,100	2		
	LED	5%			2039	* *			
	No Component	85%							
Alarm									
	Security System								
	No Component	90%							
	Generic	10%			2039	* *	1	\$300	
		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	\$1,300	2031	\$64,000			
		Corroded, Extent : Moderate, Area Affected : 20%							
		Location : Basement							
		Insul. Deteriorating, Extent : Moderate, Area Affected : 10%							
		Location : Basement							
	Terminal Devices								
	Convactor/Radiator	100%			2029	\$65,400	1	\$2,600	
Air Conditioning									
	Energy Source								
	Electricity	100%			2039	* *	1		
	Conversion Equipment								
	Split Unit	10%			2036	* *			
	Window/Wall Unit	15%	0-2	\$2,700	2031	\$4,500	1		
		Obsolete Equipment, Extent : Moderate, Area Affected : 100%							
		Location : 2nd And 3rd Floors							
	Window/Wall Unit	25%			2026	\$7,600	1		
	No Component	50%							
	Terminal Devices								
	Fan Coil - 2 Pipe	10%			2036	* *	1	\$300	
	No Component	90%							
	Heat Rejection								
	Air Cooled Condenser Unit	10%			2036	* *	2	\$600	
	No Component	90%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	20%	0-2	\$1,400	LIFE	* *	2-5	\$900	
		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	\$500	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Kitchen Hood							
		Explanation : 1 Hood Exhaust							
	Wall Unit	75%	Now	\$2,600	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	\$400	2041	* *	1		
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Basement							
		Explanation : No Insulation							
	Brass/Copper	80%			2041	* *	1		
Water Heater With Tanks									
	Gas Fired	50%	Now	\$200	2031	\$8,300	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%			2025	\$8,300	2		
Sanitary Piping									
	Cast Iron	10%	Now	\$4,000	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	\$1,100	LIFE	* *	1		
		Corroded, Extent : Moderate, Area Affected : 100%							
		Location : Basement							
Sump Pump(s)									
	Submersible	100%			2025	\$200	4	\$300	
Fixtures									
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	99%							
	Generic	1%			2025	\$200	1-3	\$800	

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028		FY 2029 - 2034
Exterior Architecture		\$473,600		
Interior Architecture				\$76,400
Mechanical				\$155,500
Total		\$473,600		\$231,900
Importance Code A		\$473,600		
Importance Code B				\$155,500
Importance Code C				\$76,400
Total		\$473,600		\$231,900

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$36,200	\$7,200		
Interior Architecture	\$33,100		\$9,200	
Electrical	\$200			\$100
Mechanical	\$34,800	\$2,200	\$3,100	\$1,800
Total	\$104,300	\$9,500	\$12,400	\$1,900
Importance Code A	\$39,200	\$7,700	\$500	\$500
Importance Code B	\$32,000	\$1,800	\$11,900	\$1,400
Importance Code C	\$33,100			
Total	\$104,300	\$9,500	\$12,400	\$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. 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	\$22,900	
	Masonry: Limestone	15%	2-4	\$347,400	LIFE	**	5	\$3,400	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%									
Location : Front Wall									
	Wood Overhead Doors	10%	4+	\$4,700	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	\$29,100	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	\$2,400	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	\$500	
	Metal Panel	20%			2051	**	5	\$1,600	
	Slate	60%	Now	\$126,100	LIFE	**	5	\$1,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%									
Location : Various Locations 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	\$8,900	3	\$700	
	Cast in Place Concrete	40%			LIFE	**	5	\$8,200	
	Ceramic Tile	5%			2034	\$28,500	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	

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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	\$76,400	5		\$1,300	
Concrete Masonry Unit	10%			LIFE	**	5		\$500	
Gypsum Board	5%			LIFE	**	5		\$400	
Masonry: Brick	25%	0-2		LIFE	**				

Spalling, Extent : Moderate, Area Affected : 20%

Location : Basement

Plaster	35%			LIFE	**	5		\$1,400	
SGFT/Glazed Masonry	15%			LIFE	**				

Ceilings

AcousTileSusp.Lay-In	40%			2044	**	5		\$3,800	
Embossed Metal	20%			LIFE	**	5		\$800	
Exposed Struc: Concrete	20%			LIFE	**	5		\$300	
Exposed Struc: Steel	5%			LIFE	**				
Gypsum Board	10%			LIFE	**	5		\$1,200	
Plaster	5%			LIFE	**	5		\$300	

Paint Peeling, Extent : Severe, Area Affected : 30%

Location : 3rd Floor Stair

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2044	**				
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Electrical		Current Repair		Future Replacement		Maintenance		
System Component Type	% 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			
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement Electrical Area

Explanation : One 400 Ampere Main Disconnect Switch

Switchgear / Switchboard

Fused Disc Sw	100%			2057	**	5			
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Raceway

Conduit	20%	Now		\$200	2031	\$7,900	1		
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Covers Missing, Extent : Moderate, Area Affected : 100%

Location : 3rd Floor Light Switches And Junction Boxes

Conduit	80%			2057	**	1			
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Panelboards

Fused Disc Sw	4%			2053	**	5			
Fused Disc Sw	1%			2030	\$500	5			
Molded Case Bkrs	95%			2053	**	5		\$200	

Wiring

Thermoplastic	90%			2057	**	1			
Thermoplastic	10%			2031	\$3,600	1			

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

Maintenance \$ are aggregated over a ten-year period. Site specific 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		\$100	
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Lighting

Interior Lighting

LED	100%			2039	**				
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Egress Lighting

Emergency, Battery	50%			2039	**	10		\$700	
Exit, Service	50%			2039	**	1			

Exterior Lighting

LED	20%			2039	**				
No Component	80%								

Mechanical		Current Repair			Future Replacement		Maintenance		
System	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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Conversion Equipment

Hot Water Boiler	50%			2044	**	1		\$1,500	
Steam Boiler	50%	Now	\$2,900	2044	**	1		\$2,700	

Corroded, Extent : Moderate, Area Affected : 5%

Location : Boilers

Controller Not Working, Extent : Moderate, Area Affected : 50%

Location : Basement. Defective Thermostat

Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : 2 Units

Distribution

Hot Wtr Piping/Pump	50%			2047	**	4		\$200	
Steam Piping/Pump	50%			2051	**				

Terminal Devices

Convactor/Radiator	90%			2036	**	1		\$1,800	
Unit Heater - Steam	10%			2036	**	4		\$100	

Other Observation, Extent : Light, Area Affected : 10%

Location : 1st Floor

Explanation : Apparatus Floor

Air Conditioning

Energy Source

Electricity	100%			2047	**	1			
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Maintenance \$ are aggregated over a ten-year period. Site specific 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

Mechanical		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	\$155,500			
	Distribution								
	Ductwork/Diffusers	100%	Now	\$28,800	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	\$700	
	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 With Tanks								
	Gas Fired	100%			2029	\$18,300	2		
			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	\$2,300	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	\$900	1-3	\$4,200	
			Other Observation, Extent : Light, Area Affected : 5%						
			Location : 1st Floor						
			Explanation : Over Kitchen Hood						
	No Component	95%							

*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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 230
Address : 701 PARK AVENUE
Borough : BROOKLYN
Program / Asset # : FIRSECO.230 / 13122
Area Sq Ft : 4,500
Date of Survey : 16-Jun-2020
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1730 **Lot** : 49 **BIN** : 3048373
Agency's Number : N/A
Yr Built/Renovated : 1949 /
Project Type : FIRE DEPARTMENT
Landmark Status : NONE

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$57,800	\$68,700
Interior Architecture	\$146,000	\$62,500
Total	\$203,800	\$131,200
Importance Code A	\$57,800	\$68,700
Importance Code B	\$146,000	
Importance Code C		\$62,500
Total	\$203,800	\$131,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$10,800	\$400		
Interior Architecture	\$45,500	\$600		\$200
Electrical	\$100	\$8,500	\$100	
Mechanical	\$5,300	\$8,200	\$800	\$700
Site Enclosure	\$300			
Site Pavements	\$3,500			
Total	\$65,400	\$17,600	\$900	\$900
Importance Code A	\$11,200	\$800	\$400	\$400
Importance Code B	\$41,100	\$16,800	\$400	\$500
Importance Code C	\$13,100			
Total	\$65,400	\$17,600	\$900	\$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. 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	\$57,800	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	\$800		
Masonry: Brick	40%			LIFE	* *	5	\$200		
Metal Panel	40%			2041	* *	5	\$800		
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Parapet Interior									
Explanation : Parapet Interior Brick Covered By Metal Panel									
Roof									
Built-Up (BUR)	95%	Now	\$1,400	2031	\$68,700				
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+	\$8,700	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	\$30,400	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	\$200		
Vinyl Tile	25%	Now	\$4,100	2031	\$41,100	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									

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

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 230
Asset # : 13122

Architecture		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior									
Interior Walls									
	Cast in Place Concrete	30%	Now	\$5,200	LIFE	* *			
		Water Penetration, Extent : Light, Area Affected : 5%							
		Location : Basement							
	Ceramic Tile	10%			2034	\$62,500	5	\$1,200	
	Plaster	30%	Now	\$4,100	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	* *			
Ceilings									
	AcousTileSusp.Lay-In	15%	Now	\$400	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 Struc: Concrete	59%	Now	\$146,000	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	\$100	
	Plaster	25%	Now	\$1,300	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	\$300	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	* *			

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

FIRE DEPARTMENT - 057**ENGINE CO. 230****Asset # : 13122**

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

Site Pavements

Parking/Driveway

Cast in Place Concrete	100%	Now	\$3,500	2036	* *
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 10%</i>					
<i>Location : Driveway</i>					
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>					
<i>Location : Driveway</i>					
<i>Potholes, Extent : Severe, Area Affected : 20%</i>					
<i>Location : Driveway</i>					
<i>Other Observation, Extent : N/A, Area Affected : 25%</i>					
<i>Location : Driveway</i>					
<i>Explanation : Asphalt Patching</i>					

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

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2031	\$14,700	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>								

Switchgear / Switchboard

Molded Case Bkrs	100%			2057	* *	5		\$100
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Raceway

Conduit	80%			2031	\$28,800	1		
Conduit	20%			2041	* *	1		

Panelboards

Molded Case Bkrs	80%			2030	\$38,800	5		\$100
Molded Case Bkrs	20%			2039	* *	5		

Wiring

Thermoplastic	80%			2031	\$26,000	1		
Thermoplastic	20%			2041	* *	1		

Motor Controllers

Locally Mounted	100%			2029	\$17,800	5		
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Ground

Grounding Devices

Generic	100%			LIFE	* *	5		\$100
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Lighting

Interior Lighting

Fluorescent	20%			2026	\$7,600	10		\$800
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : T-8 Lamps*

LED	80%			2039	* *			
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 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 : N/A, 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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Conversion Equipment

Steam Boiler	100%			2048		* *	1	\$4,500	
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : 1 New Unit

Distribution

Steam Piping/Pump	100%			2041		* *			
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Terminal Devices

Convactor/Radiator	100%			2036		* *	1	\$1,500	
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Air Conditioning

Energy Source

Electricity	100%			2039		* *	1		
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Conversion Equipment

Split Unit	10%			2031		\$10,400			
Window/Wall Unit	45%			2026		\$7,500	1		
No Component	45%								

Terminal Devices

Fan Coil - 2 Pipe	10%			2031		\$7,400	1	\$200	
No Component	90%								

Heat Rejection

Air Cooled Condenser Unit	10%			2031		\$700	2	\$300	
No Component	90%								

Ventilation

Distribution

Ductwork/Diffusers	20%			LIFE		* *	2-5	\$500	
No Component	80%								

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

Estimates are rounded to the nearest hundred dollars.

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

Mechanical		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	\$3,900	2041	* *	2		
		Unit Inoperable, Extent : Severe, Area Affected : 100%							
		Location : Apparatus Floor							
	Wall Unit	15%			2031	\$300	2		
	No Component	65%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2041	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
		Other Observation, Extent : N/A, 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	\$300	LIFE	* *	1		
		Blockage /Clogged, Extent : Severe, Area Affected : 10%							
		Location : Water Backs Up In Basement When It Rains							
	Sump Pump(s)								
	Submersible	100%			2025	\$100	4	\$100	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	99%							
	Generic	1%			2025	\$200	1-3	\$800	
		Other Observation, Extent : N/A, 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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 231/LADDER 120
Address : 107 WATKINS STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.231 / 13123 **Yr Built/Renovated** : 1905 / 2002
Area Sq Ft : 9,700 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-Feb-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3507 **Lot** : 5 **BIN** : 3000000

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$85,100	
Electrical	\$24,700	\$63,500
Mechanical		\$145,600
Total	\$109,800	\$209,100
Importance Code A	\$85,100	
Importance Code B	\$24,700	\$209,100
Total	\$109,800	\$209,100

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$76,900		\$5,100	
Interior Architecture	\$36,500	\$1,500	\$500	\$800
Electrical	\$3,300	\$800	\$22,700	\$700
Mechanical	\$7,200	\$6,900	\$47,700	\$6,900
Site Enclosure	\$26,300			
Site Pavements	\$900			
Total	\$151,000	\$9,200	\$76,000	\$8,400
Importance Code A	\$77,900	\$1,000	\$6,100	\$1,000
Importance Code B	\$56,000	\$7,300	\$69,900	\$7,400
Importance Code C	\$17,000	\$900		
Total	\$151,000	\$9,200	\$76,000	\$8,400



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

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 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	\$85,100	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	\$16,300	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%			2037	* *	5	\$9,300	
Windows									
	Aluminum	100%	Now	\$15,400	2048	* *	5	\$300	
		Broken/Missing Elements, Extent : Moderate, Area Affected : 2%							
		Location : 2nd Floor							
		Crtrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%							
		Location : 2nd Floor							
		Water Penetration, Extent : Moderate, Area Affected : 10%							
		Location : 2nd Floor							
Parapets									
	Cast Stone/Terra Cotta	10%			LIFE	* *	5	\$800	
	Masonry: Brick	40%			LIFE	* *	5	\$400	
	Metal: Cage/Fence	10%			2045	* *	5-10	\$700	
	Stucco Cement	40%			2037	* *	5	\$1,000	
		Cracking/Crumbling, Extent : Light, Area Affected : 2%							
		Location : Throughout Parapet							
Roof									
	Modified Bitumen	40%	Now	\$2,100	2037	* *			
		Water Penetration, Extent : Moderate, Area Affected : 10%							
		Location : Above 2nd Floor							
	Roll Roofing	60%			2025	\$37,700	5	\$9,900	

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. 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	\$7,200	LIFE	**	5	\$9,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : 1st Floor								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : 1st Floor Into Basement								
Ceramic Tile	10%			2041	**	5	\$1,200	
Sheet Vinyl/Rubber	5%			2037	**	5	\$900	
Vinyl Tile	50%	Now	\$8,400	2037	**	3	\$2,300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
Location : Basement								
Uneven Substrate, Extent : Moderate, Area Affected : 2%								
Location : 3rd Floor								
Interior Walls								
Ceramic Tile	10%			2041	**	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	\$6,800	LIFE	**			
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Plaster	35%	Now	\$3,000	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	\$6,400	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	\$1,000	2045	* *	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 : 30%								
	Location : 1st And 2nd Floor								
	Water Penetration, Extent : Moderate, Area Affected : 5%								
	Location : 2nd Floor								
Exposed Struc: Concrete	10%	Now	\$3,600	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%			2052	* *				
Retaining Walls									
Masonry: Brick	100%	Now	\$26,300	2042	* *				
	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%			2045	* *				
On-Site Walkways									
Cast in Place Concrete	100%	4+	\$900	2045	* *				
	Cracking/Crumbling, Extent : Light, Area Affected : 25%								
	Location : Rear Yard								
Parking/Driveway									
Cast in Place Concrete	100%			2045	* *				
Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
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%			2032	\$14,700	5		
				Other Observation, Extent : N/A, Area Affected : 100%					
				Location : Basement Electrical Room					
				Explanation : One 200 Ampere Main Disconnect Switch					
	Switchgear / Switchboard								
	Fused Disc Sw	100%			2032	\$63,500	5		
	Raceway								
	Conduit	100%			2032	\$36,000	1		
	Panelboards								
	Fused Disc Sw	5%			2031	\$2,400	5		
	Molded Case Bkrs	95%			2031	\$46,000	5	\$200	
	Wiring								
	Thermoplastic	100%			2032	\$32,500	1		
	Motor Controllers								
	Locally Mounted	100%			2030	\$17,800	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2037	* *	1	\$3,000	
	Generators								
	Diesel	100%			2035	* *	1	\$3,800	
				Other Observation, Extent : N/A, Area Affected : 100%					
				Location : Generator Room Outside					
				Explanation : Emergency Generator Rated At 60 Kilowatts.					
	Batteries								
	Lead/Acid	100%			2025	\$2,400	5	\$400	
	Fuel Storage								
	Day Tank	18%			2040	* *	5		
				Other Observation, Extent : N/A, Area Affected : 100%					
				Location : Generator Room Outside					
				Explanation : One 125 Gallons					
	Main Tank	82%			2047	* *	5		
				Other Observation, Extent : N/A, Area Affected : 100%					
				Location : Basement					
				Explanation : One 550 Gallons					

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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									
	Interior Lighting								
	Fluorescent	30%			2027	\$24,700	10	\$2,700	
		Other Observation, Extent : N/A, Area Affected : 100% Location : Basement, 3rd Floor Locker Room And Offices Explanation : T-12 Lamps							
	Fluorescent	68%			2037	* *	10	\$6,100	
		Other Observation, Extent : N/A, Area Affected : 100% Location : Throughout The Building Explanation : T-8 Lamps							
	Incandescent	2%			2027	\$2,300	2		
Egress Lighting									
	Emergency, Service	20%			2027	\$1,200	1		
	Emergency, Service	40%			2037	* *	1		
	Emergency, Battery	40%			2037	* *	10	\$900	
Exterior Lighting									
	HID	20%			2027	\$8,800	10		
	No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Energy Source								
	Natural Gas	100%			2042	* *	1		
		Recent Replace Evident, Extent : Light, Area Affected : 100%							
		Location : Total House							
Conversion Equipment									
	Steam Boiler	100%			2045	* *	1	\$9,600	
Distribution									
	Steam Piping/Pump	100%			2032	\$75,900			
		On Extended Life, Extent : Light, Area Affected : 100%							
		Location : Throughout, The Steam And Condensate Return Piping Are Beyond Their Useful Life Cycle Rating							
Terminal Devices									
	Convactor/Radiator	90%			2030	\$69,700	1	\$2,800	
		On Extended Life, Extent : Light, Area Affected : 100%							
		Location : Throughout, The Radiators Are Beyond Their Useful Life Cycle Rating							
	Unit Heater - Steam	10%			2032	\$5,400	4	\$100	
Air Conditioning									
	Energy Source								
	Electricity	100%			2048	* *	1		
Conversion Equipment									
	Split Unit	25%			2037	* *			
	Window/Wall Unit	50%			2027	\$17,900	1		
	No Component	25%							

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

Mechanical		Current Repair		Future Replacement		Maintenance			
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	10%			2032	\$2,100	2	\$700	
	No Component	90%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	20%			LIFE	* *	2-5	\$1,100	
	No Component	80%							
	Exhaust Fans								
	Interior	20%			2037	* *	2	\$100	
	Wall Unit	10%			2027	\$400	2		
	No Component	70%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2042	* *	1		
	No Water Meter, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Water Heater With Tanks								
	Gas Fired	100%			2030	\$16,700	2		
	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	50%			LIFE	* *	1		
	Cast Iron	50%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%			2025	\$300	4	\$300	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : Not Accessible								
	Sewage Ejector(s)								
	Not Accessible	100%							
	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%							
	Obsolete Fixtures, Extent : Severe, Area Affected : 100%								
	Location : Total House								

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

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

Mechanical		Current Repair		Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Fire Suppression	Chemical System	100%		2027	\$15,900	1-3	\$74,400	
	Generic							
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Kitchen Fire Suppression System Needs To Be Inspected</i>						

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$154,400	\$56,200
Interior Architecture		\$242,300
Electrical	\$99,500	\$187,100
Mechanical		\$145,300
Site Pavements		\$80,300
Total	\$253,900	\$711,100
Importance Code A	\$154,400	\$119,700
Importance Code B	\$99,500	\$511,200
Importance Code C		\$80,300
Total	\$253,900	\$711,100

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$94,600	\$20,400		
Interior Architecture	\$63,800	\$700		\$1,100
Electrical	\$14,500	\$4,800	\$800	\$800
Mechanical	\$19,900	\$74,800	\$1,700	\$1,200
Site Enclosure	\$5,200			
Site Pavements	\$16,100			
Total	\$214,100	\$100,700	\$2,600	\$3,100
Importance Code A	\$95,200	\$21,200	\$600	\$600
Importance Code B	\$66,600	\$79,500	\$2,000	\$2,500
Importance Code C	\$52,300			
Total	\$214,100	\$100,700	\$2,600	\$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. 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	\$154,400	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	\$2,800	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	\$17,800	
	Stucco Cement	5%			2044	* *	5	\$2,700	
	Window Wall	5%	Now	\$32,400	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	\$25,700	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	\$3,800	
	Concrete Masonry Unit	25%			LIFE	* *	5	\$200	
	Metal Panel	20%			2041	* *	5	\$600	
	Metal Rail	10%			2036	* *	5-10	\$1,500	

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

FIRE DEPARTMENT - 057
ENGINE CO. 233/LADDER CO. 176
Asset # : 13124

Architecture		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Exterior									
Roof									
Modified Bitumen	25%	Now	\$33,700	2031	\$56,200				
	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 : N/A, Area Affected : 100%								
	Location : Upper Roof								
Interior									
Floors									
Cast in Place Concrete	40%	2-4	\$11,900	LIFE	* *	5	\$15,700		
	Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
	Location : Various Locations In Apparatus Room								
Ceramic Tile	5%			2034	\$49,500	5	\$900		
Quarry Tile	5%			2036	* *	5	\$1,300		
Vinyl Tile	50%	Now	\$12,100	2031	\$242,300	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	* *				
Ceramic Tile	5%			2034	\$40,400	5	\$800		
Concrete Masonry Unit	45%	2-4	\$31,000	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	\$900		
SGFT/Glazed Masonry	30%			LIFE	* *				
Ceilings									
AcousTileSusp.Lay-In	15%	Now	\$8,800	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 Struc: Concrete	35%			LIFE	* *	5	\$1,000		
Gypsum Board	50%			LIFE	* *	5	\$11,200		
Site Enclosure									

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

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

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

FIRE DEPARTMENT - 057
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

\$5,200

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

\$16,100

2034

\$80,300

*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

\$63,500

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

\$63,500

5

\$300

Raceway

Conduit

100%

2031

\$36,000

1

Panelboards

Molded Case Bkrs

100%

2030

\$48,500

5

\$300

Wiring

Thermoplastic

100%

2031

\$32,500

1

Motor Controllers

Locally Mounted

100%

2029

\$17,800

5

\$100

Ground

Grounding Devices

Generic

100%

0-2

\$10,200

LIFE

* *

5

\$200

*Corroded, Extent : Moderate, Area Affected : 100%**Location : Boiler 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.

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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	\$99,500	1	\$4,700	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Generator Room								
	Explanation : Emergency Generator Rated At 50 Kilowatts								
	Batteries								
	Lead/Acid	100%			2025	\$2,400	5	\$400	
	Fuel Storage								
	Day Tank	20%			2030	\$5,000	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : 50 Gallons Rated Capacity								
	Main Tank	80%			2034	\$60,100	5		
	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	\$3,600	1		
	Exit, Service	50%	Now	\$800	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	\$600	

*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. 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									
	Convactor/Radiator	10%			2029	\$9,600	1	\$400	
	Fan Coil Unit/Heat	50%	0-2	\$14,500	2031	\$145,300	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	\$26,600	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	\$11,100	1		
	Window/Wall Unit	25%	0-2	\$1,100	2026	\$11,100	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	\$3,300	
	No Component	50%							
	Exhaust Fans								
	Roof	25%			2036	* *	2	\$100	
	Roof	25%			2026	\$5,700	2	\$100	
	Wall Unit	40%			2026	\$2,000	2	\$100	
	No Component	10%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2041	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2026	\$16,700	2		
	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	\$3,000	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%			2025	\$400	4	\$400	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Sprinkler								
	No Component	90%							
	Generic	10%			2031	\$16,200	1-2	\$300	
	Chemical System								
	No Component	99%							
	Generic	1%			2026	\$200	1-3	\$700	
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : In Kitchen						
			Explanation : 1 Unit						

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$301,800	\$128,400
Interior Architecture		\$78,900
Electrical	\$99,500	\$199,800
Total	\$401,200	\$407,100
Importance Code A	\$301,800	\$191,900
Importance Code B	\$99,500	\$136,300
Importance Code C		\$78,900
Total	\$401,200	\$407,100

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$69,900	\$5,300		
Interior Architecture	\$112,800			\$800
Electrical	\$12,900	\$5,500	\$800	\$800
Mechanical	\$17,300	\$29,200	\$1,100	\$900
Site Enclosure	\$700			
Site Pavements	\$17,600			
Total	\$231,300	\$40,100	\$1,900	\$2,400
Importance Code A	\$71,700	\$6,000	\$500	\$500
Importance Code B	\$137,200	\$34,100	\$1,300	\$1,900
Importance Code C	\$22,300			
Total	\$231,300	\$40,100	\$1,900	\$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. 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	\$301,800	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	\$24,800	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	\$8,500	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	\$13,900	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	\$3,400	2044	* *	5	\$700	
Recent Repair Evident, Extent : N/A, Area Affected : 100%									
Location : Upper And Lower Roofs									
Other Observation, Extent : Light, Area Affected : 100%									
Location : All Parapets									
Explanation : Stucco Cover Concrete Masonry Unit On Interior Of Parapets									

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

Maintenance \$ are aggregated over a ten-year period. Site specific 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

Architecture		Current 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+	\$12,800	2031	\$128,400				
Debris Present, Extent : Moderate, Area Affected : 15%									
Location : Throughout									
Ponding, Extent : Light, Area Affected : 5%									
Location : Upper									
Single Ply Membrane	15%	4+	\$4,200	2031	\$42,500				
Ponding, Extent : Moderate, Area Affected : 20%									
Location : Lower Roof On South And North Ends									
Soffits									
Cement - Fiber Panel	100%	2-4	\$1,600	2031	\$31,700				
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	\$12,500	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	\$3,500	2036	* *	5	\$900		
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%									
Location : 2nd Floor Bathrooms And Officers Bathrooms									
Quarry Tile	5%	4+	\$5,400	2036	* *	5	\$600		
Worn/Eroded, Extent : Light, Area Affected : 35%									
Location : Kitchen									
Vinyl Tile	40%	0-2	\$48,800	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									

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

Maintenance \$ are aggregated over a ten-year period. Site specific 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

Architecture		Current 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%	Now	\$7,900	2034	\$78,900	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	\$800	
	Gypsum Board	30%			LIFE	* *	5	\$2,600	
	Metal Panel	1%	4+	\$400	LIFE	* *			
	Deformed/Dented, Extent : Light, Area Affected : 5%								
	Location : Kitchen								
	SGFT/Glazed Masonry	35%			LIFE	* *			
Ceilings									
	AcousTileSusp.Lay-In	15%	4+	\$700	2036	* *	5	\$1,100	
	Staining/Discoloring, Extent : Light, Area Affected : 5%								
	Location : Kitchen								
	Exposed Struc: Concrete	20%			LIFE	* *	5	\$500	
	Gypsum Board	65%	Now	\$33,500	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+	\$400	2051	* *			
	Corrosion/Rusting, Extent : Light, Area Affected : 15%								
	Location : Corner Of Building								
Site Pavements									
Public Sidewalk									
	Cast in Place Concrete	100%	0-2	\$4,300	2036	* *			
	Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
	Location : Along Schenectady Avenue								

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. 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		**			
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Parking/Driveway

Cast in Place Concrete	100%	Now	\$13,400	2036		**			
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Cracking/Crumbling, Extent : Moderate, Area Affected : 5%

Location : Front Apron

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

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2031		\$63,500	5	\$300	
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : Main Service Disconnect Switch Rated At 300 Amperes.

Switchgear / Switchboard

Molded Case Bkrs	100%			2031		\$63,500	5	\$300	
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Raceway

Conduit	100%			2031		\$36,000	1		
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Panelboards

Molded Case Bkrs	100%			2030		\$48,500	5	\$300	
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Wiring

Thermoplastic	100%			2031		\$32,500	1		
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Motor Controllers

Locally Mounted	100%			2029		\$17,800	5	\$100	
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Ground

Grounding Devices

Generic	100%	2-4	\$10,200	LIFE		**	5	\$200	
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Corroded, Extent : Moderate, Area Affected : 100%

Location : Basement

Stand-by Power

Transfer Switches

Automatic	100%			2029		\$12,900	1	\$3,200	
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Generators

Diesel	100%			2027		\$99,500	1	\$4,000	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Generator Room

Explanation : Emergency Generator Rated At 30 Kilowatts

Batteries

Lead/Acid	100%			2026		\$2,400	5	\$400	
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 234 LADDER 123/BATTALION 38
Asset # : 13125

Electrical		Current Repair			Future Replacement		Maintenance		
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	\$800	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : 30 Gallons Rated Capacity							
	Main Tank	97%			2034	\$72,800	5		
		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	\$6,200	1		
	Exterior Lighting								
	HID	20%			2031	\$9,400	10		
	No Component	80%							
Alarm									
	Security System								
	No Component	90%							
	Generic	10%	Now	\$1,900	2041	* *	1	\$400	
		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	\$1,300	2041	* *	2	\$200	
		Broken, Extent : Severe, Area Affected : 100%							
		Location : 1st Floor Office And 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. 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	\$21,000	4	\$700	
	No Component	5%							
Terminal Devices									
	Convactor/Radiator	55%			2029	\$45,500	1	\$1,800	
	Unit Heater - Hot Water	30%	Now	\$10,800	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	\$11,500	1		
		Not Energy Efficient, Extent : Moderate, Area Affected : 50%							
		Location : Various Locations							
	No Component	40%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	40%			LIFE	**	2-5	\$2,300	
	No Component	60%							
Exhaust Fans									
	Roof	50%			2036	**	2	\$200	
	Wall Unit	5%			2031	\$200	2		
	No Component	45%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2041	**	1		
Water Heater With Tanks									
	Gas Fired	100%			2026	\$16,700	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 2 Units							
Sanitary Piping									
	Cast Iron	10%	Now	\$2,500	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		

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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. 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	\$700	LIFE	* *	1		
		Leak Evident, Extent : Moderate, Area Affected : 5%							
		Location : 1st Floor Office Ceiling							
	Sump Pump(s)								
	Submersible	100%			2025	\$300	4	\$300	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Sprinkler								
	No Component	95%							
	Generic	5%			2031	\$7,000	1-2	\$200	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Limited Coverage							
	Chemical System								
	No Component	99%							
	Generic	1%			2025	\$200	1-3	\$800	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Kitchen							
		Explanation : 1 Set							

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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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 235 / BATTALION 57
Address : 206 MONROE STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.235 / 13126 **Yr Built/Renovated** : 1895 /
Area Sq Ft : 4,733 **Project Type** : FIRE DEPARTMENT
Date of Survey : 15-Jul-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1817 **Lot** : 48 **BIN** : 3051323

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$24,100			\$6,800
Interior Architecture	\$24,700	\$600	\$600	\$300
Electrical	\$300	\$2,800	\$300	\$400
Mechanical	\$7,900	\$28,700	\$6,100	\$14,900
Site Pavements	\$11,000			
Total	\$68,000	\$32,200	\$7,100	\$22,400
Importance Code A	\$24,600	\$500	\$500	\$7,300
Importance Code B	\$7,700	\$31,700	\$6,200	\$15,100
Importance Code C	\$35,700		\$400	
Total	\$68,000	\$32,200	\$7,100	\$22,400



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

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

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

FIRE DEPARTMENT - 057
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	80%			LIFE	**	5	\$21,900	
	Masonry: Limestone	10%			LIFE	**	5	\$2,100	
	Wood Overhead Doors	10%			2038	**	5	\$13,700	
Windows									
	Aluminum	100%			2049	**	5	\$700	
Parapets									
	Masonry: Brick	90%	Now	\$20,700	LIFE	**	5	\$800	
		Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20% Location : Throughout							
	Masonry: Limestone	10%	Now	\$3,400	LIFE	**	5	\$100	
		Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 60% Location : Coping							
Roof									
	Copper/Terne	15%			2061	**	10	\$2,900	
	Modified Bitumen	80%			2041	**	10	\$6,100	
	Skylight, Metal/Glass	5%			2053	**	10	\$1,300	
Interior									
Floors									
	Cast in Place Concrete	40%			LIFE	**	5	\$6,500	
	Ceramic Tile	5%			2042	**	5	\$400	
	Quarry Tile	5%			2038	**	5	\$600	
		Worn/Eroded, Extent : Light, Area Affected : 5% Location : Kitchen							
	Vinyl Tile	50%			2038	**	3	\$1,400	
Interior Walls									
	Ceramic Tile	5%			2042	**	5	\$900	
	Concrete Masonry Unit	5%			LIFE	**	5	\$400	
	Masonry: Brick	15%	4+	\$24,700	LIFE	**			
		Efflorescence, Extent : Light, Area Affected : 10% Location : Basement							
	Masonry: Fieldstone	10%			LIFE	**			
	Plaster	60%			LIFE	**	5	\$3,200	
	Wood	5%			LIFE	**	5	\$3,500	
Ceilings									
	AcousTileSusp.Lay-In	5%			2046	**	5	\$400	
	Embossed Metal	35%			LIFE	**	5	\$1,200	
	Exposed Struc: Steel	25%			LIFE	**			
	Plaster	35%			LIFE	**	5	\$1,600	
Site Enclosure									
Fence/Gates									
	Chain Link	100%			2063	**			
Free Standing Walls									
	Masonry: Brick	100%			2053	**			
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. 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

Site Pavements

Public Sidewalk

Cast in Place Concrete

100%

2046

* *

Parking/Driveway

Asphalt

60%

2-4

\$11,000

2042

* *

*Cracking/Crumbling, Extent : Light, Area Affected : 20%**Location : Throughout*

Cast in Place Concrete

40%

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%

2053

* *

5

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : Main Service Disconnect Switch Rated At 400 Amperes.*

Switchgear / Switchboard

Molded Case Bkrs

100%

2053

* *

5

\$100

Raceway

Conduit

80%

2033

\$28,800

1

Conduit

20%

2053

* *

1

Panelboards

Molded Case Bkrs

100%

2049

* *

5

\$100

Wiring

Thermoplastic

80%

2053

* *

1

Thermoplastic

20%

2033

\$6,500

1

Ground

Grounding Devices

Generic

100%

LIFE

* *

5

\$100

Stand-by Power

Transfer Switches

Automatic

100%

2038

* *

1

\$1,500

Generators

Diesel

100%

2036

* *

1

\$1,800

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Outside**Explanation : Emergency Generator Rated At 81 Kilovolt Amperes.*

Batteries

Lead/Acid

100%

2026

\$2,400

5

\$200

Fuel Storage

Main Tank

100%

2048

* *

5

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Outside**Explanation : 60 Gallons Rated Capacity*

Lighting

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

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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
Lighting									
	Interior Lighting								
	Fluorescent	5%			2033	\$2,000	10	\$200	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Dining Area							
		Explanation : Compact Flourescent Lights							
	LED	95%			2038	* *			
	Egress Lighting								
	Emergency, Service	100%			2038	* *	1		
	Exterior Lighting								
	LED	30%			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								
	Natural Gas	100%			2053	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2046	* *	1	\$4,700	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Unit							
	Distribution								
	Steam Piping/Pump	100%			2043	* *			
	Terminal Devices								
	Convactor/Radiator	90%			2031	\$34,000	1	\$1,400	
	Unit Heater - Steam	10%			2033	\$2,600	4	\$100	
Air Conditioning									
	Energy Source								
	Electricity	100%			2041	* *	1		
	Conversion Equipment								
	Window/Wall Unit	10%	0-2	\$1,800	2033	\$1,800	1		
		Not Energy Efficient, Extent : Moderate, Area Affected : 100%							
		Location : Various Locations							
	Window/Wall Unit	50%			2028	\$8,800	1		
	No Component	40%							
Ventilation									
	Exhaust Fans								
	Roof	20%			2033	\$1,800	2		
	No Component	80%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2043	* *	1		

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** 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
Plumbing									
	Water Heater With Tanks								
	Gas Fired	100%			2031	\$33,400	2		
			Other Observation, Extent : N/A, 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%			2026	\$100	4	\$200	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2026	\$15,900	1-3	\$74,400	
			Other Observation, Extent : N/A, Area Affected : 100%						
			Location : Kitchen						
			Explanation : 1 Set Covers 20 Square Feet						

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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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 236
Address : 998 LIBERTY AVENUE @ S. CONDUIT BLVD.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.236 / 13127 **Yr Built/Renovated** : 1895 / 2010
Area Sq Ft : 4,761 **Project Type** : FIRE DEPARTMENT
Date of Survey : 15-Dec-2020 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 4194 **Lot** : 20 **BIN** : 3094289

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$76,500	
Electrical		\$63,500
Total	\$76,500	\$63,500
Importance Code A	\$76,500	
Importance Code B		\$63,500
Total	\$76,500	\$63,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture				\$600
Interior Architecture	\$54,400	\$2,000		\$400
Electrical	\$10,200	\$100	\$100	
Mechanical	\$6,200	\$6,100	\$22,200	\$6,100
Site Pavements	\$29,700			
Total	\$100,500	\$8,300	\$22,300	\$7,200
Importance Code A	\$500	\$500	\$500	\$1,100
Importance Code B	\$69,800	\$6,400	\$21,800	\$6,100
Importance Code C	\$30,300	\$1,400		
Total	\$100,500	\$8,300	\$22,300	\$7,200



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. 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%	Now	\$76,500	LIFE	**	5	\$19,000	
		Water Penetration, Extent : Severe, Area Affected : 10%							
		Location : Side Wall Of Basement Adjacent To Empty Lot							
	Masonry: Granite	3%			LIFE	**	5	\$500	
	Masonry: Limestone	10%			LIFE	**	5	\$1,800	
	Metal Coiling Doors	7%			2049	**	5	\$5,200	
		Recent Replace Evident, Extent : Light, Area Affected : 100%							
		Location : Front Elevation							
	Windows								
	Aluminum	100%			2048	**	5	\$1,200	
	Parapets								
	Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,500	
	Masonry: Brick	90%			LIFE	**	5	\$1,800	
	Roof								
	Copper/Terne	5%			2060	**	10	\$700	
	Modified Bitumen	95%			2040	**	10	\$5,200	
Interior									
	Floors								
	Cast in Place Concrete	35%	0-2	\$4,500	LIFE	**	5	\$6,000	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 20%							
		Location : At Basement							
	Ceramic Tile	15%			2041	**	5	\$1,200	
	Quarry Tile	5%			2049	**	5	\$600	
	Vinyl Tile	45%	Now	\$19,000	2037	**	3	\$1,300	
		Worn/Eroded, Extent : Severe, Area Affected : 50%							
		Location : 2nd Floor							
	Interior Walls								
	Cast in Place Concrete	3%	0-2	\$1,300	LIFE	**			
		Cracking/Crumbling, Extent : Light, Area Affected : 10%							
		Location : Throughout							
	Ceramic Tile	25%			2041	**	5	\$2,900	
	Concrete Masonry Unit	2%			LIFE	**	5	\$100	
	Gypsum Board	20%			LIFE	**	5	\$1,400	
	Masonry: Brick	20%			LIFE	**			
	Plaster	25%			LIFE	**	5	\$900	
	SGFT/Glazed Masonry	5%	Now	\$5,100	LIFE	**			
		Cracking/Crumbling, Extent : Severe, Area Affected : 40%							
		Location : Garage And Lockers							

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Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057**ENGINE CO. 236****Asset # : 13127**

Architecture		Current 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	\$2,500	2037	* *	5	\$400	
		Water Penetration, Extent : Moderate, Area Affected : 20%							
		Location : 2nd Floor Office							
	Embossed Metal	20%	4+	\$900	LIFE	* *	5	\$700	
		Deformed/Dented, Extent : Light, Area Affected : 10%							
		Location : First Floor							
	Exposed Struc: Steel	20%	0-2	\$18,400	LIFE	* *			
		Corrosion/Rusting, Extent : Light, Area Affected : 20%							
		Location : Basement							
	Gypsum Board	10%	Now	\$2,700	LIFE	* *	5	\$1,000	
		Cracking/Crumbling, Extent : Severe, Area Affected : 30%							
		Location : First And Second Floor							
	Metal Panel	5%			LIFE	* *	5	\$500	
	Plaster	35%			LIFE	* *	5	\$1,700	
Site Enclosure									
	Fence/Gates								
	Chain Link	100%			2052	* *			
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%	0-2	\$5,800	2045	* *			
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : Liberty Avenue							
	Parking/Driveway								
	Asphalt	100%	2-4	\$23,900	2041	* *			
		Cracking/Crumbling, Extent : Moderate, Area Affected : 50%							
		Location : Parking Area At 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%			2032	\$14,700	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Main Service Disconnect Switch Rated At 200 Amperes.							
	Switchgear / Switchboard								
	Molded Case Bkrs	100%			2032	\$63,500	5	\$100	
	Raceway								
	Conduit	100%			2032	\$36,000	1		
	Panelboards								
	Molded Case Bkrs	100%			2031	\$48,500	5	\$100	
	Wiring								
	Thermoplastic	100%			2032	\$32,500	1		

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057**ENGINE CO. 236****Asset # : 13127**

Electrical		Current Repair			Future Replacement		Maintenance		
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 : N/A, Area Affected : 100%**Location : Basement**Explanation : Corroded Ground***Lighting**

Interior Lighting

Fluorescent

100% 2032 \$40,400 10 \$4,400

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Throughout The Building**Explanation : T-8 Lamps*

Egress Lighting

Exit, Service

50% 2032 \$1,000 1

Exit, Battery

50% 2032 \$3,300 10 \$200

Exterior Lighting

HID

30% 2032 \$6,500 10

No Component

70%

Alarm

Security System

No Component

85% 2040 * * 1 \$300

Generic

15%

*Other Observation, Extent : N/A, 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% 2052 * * 1

Conversion Equipment

Steam Boiler

100% 2045 * * 1 \$4,700

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 1 Natural Gas Fired Steam Boiler*

Distribution

Steam Piping/Pump

100% 2032 \$37,200

*On Extended Life, Extent : Light, Area Affected : 100%**Location : Throughout, The Steam And Condensate Return Piping Are Beyond Their Useful Life Cycle Rating*

Terminal Devices

Convactor/Radiator

100% 2030 \$38,000 1 \$1,500

*On Extended Life, Extent : Light, Area Affected : 100%**Location : Throughout, The Radiators Are Beyond Their Useful Life Cycle Rating***Air Conditioning**

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

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 236
Asset # : 13127

Mechanical		Current Repair		Future Replacement		Maintenance			
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%			2040	**	1		
	Conversion Equipment								
	Split Unit	10%			2037	**			
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Kitchen							
		Explanation : 1 Unit, R-410a							
	Window/Wall Unit	50%			2027	\$8,800	1		
	No Component	40%							
Terminal Devices									
	Fan Coil - 2 Pipe	10%			2037	**	1	\$200	
	No Component	90%							
Heat Rejection									
	Air Cooled Condenser Unit	10%			2037	**	2	\$300	
	No Component	90%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	10%			LIFE	**	2-5	\$300	
	No Component	90%							
	Exhaust Fans								
	Roof	10%			2032	\$900	2		
	Wall Unit	25%			2027	\$500	2		
	No Component	65%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2042	**	1		
	Water Heater With Tanks								
	Gas Fired	100%			2030	\$16,700	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 2 Units							
	Sanitary Piping								
	Cast Iron	80%			LIFE	**	1		
		On Extended Life, Extent : Light, Area Affected : 100%							
		Location : Throughout, The Sanitary Piping Are Beyond Their Useful Life Cycle Rating							
	Cast Iron	20%			LIFE	**	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1		
		On Extended Life, Extent : Light, Area Affected : 100%							
		Location : Throughout, The Storm Drain Piping Are Beyond Their Useful Life Cycle Rating							
	Sump Pump(s)								
	Submersible	100%			2027	\$100	4	\$100	
		Malfunctioning, Extent : Moderate, Area Affected : 100%							
		Location : Basement, Defective Submersible Pump							

*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. 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
Plumbing									
	Backflow Preventer								
	No Component	90%							
	Generic	10%			2037	* *	1		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Back Flow Preventer Observed On Boiler Make Up Water Intake							
Fixtures									
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2030	\$15,900	1-3	\$74,400	
		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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 237
Address : 43 MORGAN AVENUE
Borough : BROOKLYN
Program / Asset # : FIRSECO.237 / 13128
Area Sq Ft : 5,810
Date of Survey : 12-Jul-2022
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3102 **Lot** : 23 **BIN** : 3071494
Agency's Number : N/A
Yr Built/Renovated : 1894 /
Project Type : FIRE DEPARTMENT
Landmark Status : NONE

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture		\$71,300
Mechanical		\$377,800
Total		\$449,000
Importance Code A		\$71,300
Importance Code B		\$377,800
Total		\$449,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$500	\$6,400		
Interior Architecture	\$2,300	\$1,300		\$4,800
Electrical	\$700	\$600	\$600	\$3,100
Mechanical	\$17,200	\$7,500	\$8,600	\$15,800
Site Enclosure	\$13,100			
Site Pavements	\$43,100	\$100	\$100	\$500
Total	\$76,900	\$15,800	\$9,300	\$24,300
Importance Code A	\$800	\$6,600	\$300	\$200
Importance Code B	\$19,900	\$8,300	\$8,900	\$23,500
Importance Code C	\$56,200	\$1,000	\$100	\$500
Total	\$76,900	\$15,800	\$9,300	\$24,300



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

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 237
Asset # : 13128

Architecture		Current Repair		Future Replacement		Maintenance		
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	\$19,100	
Masonry: Granite	3%			LIFE	**	5	\$600	
Masonry: Limestone	10%			LIFE	**	5	\$1,900	
Metal, Corrugated	2%			2059	**	1		
Other Observation, Extent : N/A, Area Affected : 100%								
Location : Stair Bulkhead								
Explanation : New Installation								
Wood Overhead Doors	10%			2031		\$71,300	5	\$12,700
Worn/Eroded, Extent : Severe, Area Affected : 20%								
Location : Exterior Surface								
Windows								
Aluminum	100%			2049	**	5	\$1,300	
Parapets								
Masonry: Bluestone	10%			LIFE	**	5	\$3,400	
Masonry: Brick	80%			LIFE	**	5	\$1,200	
Metal Rail	5%			2050	**	5-10	\$1,400	
No Component	5%							
Roof								
Modified Bitumen	100%			2041	**	10	\$7,000	
Recent Installation, Extent : N/A, Area Affected : 100%								
Location : All Roofs								
Interior								
Floors								
Cast in Place Concrete	25%			LIFE	**	5	\$4,700	
Recent Replace Evident, Extent : N/A, Area Affected : 60%								
Location : Apparatus Floor And Basement								
Ceramic Tile	10%			2046	**	5	\$900	
Recent Installation, Extent : N/A, Area Affected : 100%								
Location : Bathrooms, Laundry								
Quarry Tile	5%			2050	**	5	\$600	
Wood	60%			2068	**	5	\$9,700	
Recent Installation, Extent : N/A, Area Affected : 100%								
Location : 2nd And 3rd Floors								
Interior Walls								
Ceramic Tile	15%			2046	**	5	\$1,800	
Recent Replace Evident, Extent : N/A, Area Affected : 40%								
Location : Bathrooms, Kitchen								
Concrete Masonry Unit	15%			LIFE	**	5	\$700	
Recent Construction, Extent : N/A, Area Affected : 100%								
Location : Basement								
Gypsum Board	55%			LIFE	**	5	\$3,900	
Recent Installation, Extent : N/A, Area Affected : 100%								
Location : 2nd And 3rd Floors								
Masonry: Brick	10%			LIFE	**			
SGFT/Glazed Masonry	5%			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. 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
Interior									
	Ceilings								
	AcousTileSusp.Lay-In	45%			2050	* *	5	\$3,900	
		Recent Installation, Extent : N/A, Area Affected : 100%							
		Location : Kitchen, 3rd Floor; Bathrooms							
	Embossed Metal	15%			LIFE	* *	5	\$600	
	Exposed Struc: Steel	15%			LIFE	* *			
	Exposed Struc: Wood	25%			LIFE	* *			
Site Enclosure									
	Fence/Gates								
	Wood	100%	Now	\$13,100	2038	* *			
		Dry Rot/Decay, Extent : Severe, Area Affected : 80%							
		Location : Rear Yard							
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%			2046	* *			
	On-Site Walkways								
	Wood	100%	Now	\$43,100	2033	\$43,100	1-3	\$2,000	
		Missing Connections, Extent : Severe, Area Affected : 15%							
		Location : Rear Yard Deck							
		Rotting/Splitting, Extent : Severe, Area Affected : 80%							
		Location : Rear Yard Deck							

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% 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 : N/A, Area Affected : 100%							
		Location : Electrical Room							
		Explanation : Main Service Disconnect Switch Rated At 400 Amperes.							
	Switchgear / Switchboard								
	Molded Case Bkrs	100%			2059	* *	5	\$200	
	Raceway								
	Conduit	100%			2059	* *	1		
	Panelboards								
	Molded Case Bkrs	100%			2055	* *	5	\$200	
	Wiring								
	Thermoplastic	100%			2059	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2050	* *	5		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Stand-by Power									

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

FIRE DEPARTMENT - 057
ENGINE CO. 237
Asset # : 13128

Electrical		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%			2050	* *	1	\$1,800	
	Generators								
	Diesel	100%			2046	* *	1	\$2,300	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Generator Room								
	Explanation : Emergency Generator Rated At 60 Kilowatts								
	Batteries								
	Lead/Acid	100%			2028	\$2,400	5	\$200	
	Fuel Storage								
	Day Tank	5%			2055	* *	5		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Generator Room								
	Explanation : 26 Gallons Rated Capacity								
	Main Tank	95%			2068	* *	5		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Explanation : 550 Gallons Rated Capacity								
Lighting									
	Interior Lighting								
	LED	100%			2041	* *			
	Egress Lighting								
	Emergency, Service	50%			2041	* *	1		
	Exit, LED	50%			2068	* *	1		
	Exterior Lighting								
	LED	30%			2041	* *			
	No Component	70%							
Alarm									
	Security System								
	Generic	100%			2041	* *	1	\$2,200	
	Other Observation, Extent : N/A, 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	20%			2059	* *	1		
	Natural Gas	80%			2059	* *	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. 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									
	Conversion Equipment								
	Heat Pump Air Sourced	20%			2037	* *	2	\$400	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Roof							
		Explanation : 3 Units							
	Hot Water Boiler	80%			2050	* *	1	\$2,300	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Unit							
Distribution									
	Hot Wtr Piping/Pump	80%	0-2	\$1,000	2055	* *	4	\$200	
		Other Observation, Extent : Moderate, Area Affected : 25%							
		Location : 3rd Floor							
		Explanation : Lack Of Heat							
	No Component	20%							
Terminal Devices									
	Convactor/Radiator	60%			2050	* *	1	\$1,100	
	Fan Coil Unit/Heat	40%			2041	* *	1	\$800	
Air Conditioning									
	Energy Source								
	Electricity	100%			2055	* *	1		
	Conversion Equipment								
	Heat Pump Air Sourced	50%			2037	* *	2	\$200	
		R-410a Refrigerant, Extent : Light, Area Affected : 100%							
		Location : 3 Units, Roof							
	Split Unit	15%			2041	* *			
		R-410a Refrigerant, Extent : Light, Area Affected : 100%							
		Location : 3 Units, Roof							
	No Component	35%							
Terminal Devices									
	Fan Coil - 2 Pipe	65%			2041	* *	1	\$1,200	
	No Component	35%							
Heat Rejection									
	Air Cooled Condenser Unit	65%			2041	* *	2	\$2,600	
	No Component	35%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$3,200	
	Exhaust Fans								
	Roof	50%			2041	* *	2	\$100	
	Wall Unit	20%			2033	\$500	2		
	No Component	30%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2059	* *	1		

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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
Plumbing									
	Water Heater With Tanks								
	Gas Fired	80%			2032	\$66,700	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon Units							
	Solar	20%			2032	\$311,100	1		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Roof And Basement							
		Explanation : 2 Sets With Two 120 Gallon Storage Tanks.							
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%			2028	\$200	4	\$100	
	Backflow Preventer								
	Generic	100%			2041	* *	1	\$400	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2031	\$19,900	1-3	\$101,100	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Kitchen							
		Explanation : 1 Set Covers 25 Square Feet							

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$112,200	\$161,100
Interior Architecture		\$265,000
Electrical		\$278,700
Site Pavements		\$164,600
Total	\$112,200	\$869,400
Importance Code A	\$112,200	\$224,600
Importance Code B		\$480,200
Importance Code C		\$164,600
Total	\$112,200	\$869,400

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$56,300	\$1,500		
Interior Architecture	\$53,800	\$3,100	\$500	
Electrical	\$3,400	\$1,000	\$700	\$700
Mechanical	\$10,700	\$26,000	\$1,500	\$1,200
Site Enclosure	\$11,900			
Site Pavements	\$37,300			
Total	\$173,400	\$31,600	\$2,700	\$1,900
Importance Code A	\$56,800	\$2,100	\$500	\$500
Importance Code B	\$54,600	\$29,500	\$2,200	\$1,400
Importance Code C	\$62,000			
Total	\$173,400	\$31,600	\$2,700	\$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. 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	\$12,200	
	Masonry: Brick Cavity	85%			LIFE	**	5	\$20,800	
	Metal Sect. OHD	5%	Now	\$4,300	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	\$112,200	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	\$1,000	
	Masonry: Brick	30%	Now	\$2,000	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	\$1,600	2036	**	5	\$1,700	
Cracking/Crumbling, Extent : Light, Area Affected : 2%									
Location : Upper Roof Parapet									
	No Component	10%							
Other Observation, Extent : N/A, Area Affected : 0%									
Location : Lower Roof									
Explanation : No Parapet									
Roof									
	Modified Bitumen	100%	Now	\$48,300	2031	\$161,100			
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	\$11,900	

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
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** 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	
Interior									
Floors									
Cast in Place Concrete	30%	0-2	\$7,700	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	\$265,000	5	\$6,200		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : 2nd Floor								
	Explanation : Rubber Flooring								
Terrazzo	8%			LIFE	**	5	\$1,000		
Vinyl Tile	25%			2036	**	3	\$1,400		
Interior Walls									
Cast in Place Concrete	10%	Now	\$15,700	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	\$1,300		
Gypsum Board	5%			LIFE	**	5	\$600		
Plaster	30%			LIFE	**	5	\$1,900		
SGFT/Glazed Masonry	30%			LIFE	**				
Ceilings									
AcousTileConcealSpLn	35%	0-2	\$8,400	2048	**	5	\$3,400		
	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 Struc: Concrete	45%	Now	\$20,200	LIFE	**	5	\$1,100		
	Paint Peeling, Extent : Moderate, Area Affected : 15%								
	Location : Basement								
Plaster	10%			LIFE	**	5	\$1,000		
Site Enclosure									
Fence/Gates									
Chain Link	80%	Now	\$9,300	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								

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. 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 \$3,900 2036 * *

Tripping Hazard, Extent : Severe, Area Affected : 10%

Location : Front Of Building

On-Site Walkways

Asphalt 100% 4+ \$500 2034 \$10,100

Cracking/Crumbling, Extent : Light, Area Affected : 10%

Location : Side Yard Adjacent Gas Station

Parking/Driveway

Asphalt 100% Now \$32,900 2034 \$164,600

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 \$63,500 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 \$63,500 5 \$300

Raceway

Conduit 100% 2031 \$36,000 1

Panelboards

Molded Case Bkrs 100% 2030 \$48,500 5 \$300

Wiring

Thermoplastic 100% 2031 \$32,500 1

Motor Controllers

Locally Mounted 100% 2036 * * 5 \$100

Ground

Grounding Devices

Not Accessible 100%

Other Observation, Extent : N/A, 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

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*** 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	\$99,500	1	\$4,000	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : Emergency Generator Rated At 55 Kilowatts									
Batteries									
	Lead/Acid	100%			2025	\$2,400	5	\$400	
Fuel Storage									
	Main Tank	100%			2046	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : 275 Gallons Rated Capacity									
Lighting									
Interior Lighting									
	Fluorescent	60%			2031	\$52,200	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	\$3,700	1		
	Exit, LED	40%			2046	* *	1		
Exterior Lighting									
	HID	30%			2031	\$14,000	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%			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	\$500	
Terminal Devices									
	Convactor/Radiator	70%			2036	* *	1	\$2,300	
	Unit Heater - Steam	30%			2026	\$17,100	4	\$400	
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. 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	\$16,500	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	\$1,500	2026	\$7,600	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	\$2,900	
	No Component	50%							
Exhaust Fans									
	Roof	60%			2036	* *	2	\$200	
	No Component	40%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2041	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
		Other Observation, Extent : Light, Area Affected : 100% Location : Basement Explanation : Two 75 Gallon Units							
	Sanitary Piping								
	Cast Iron	100%	Now	\$6,300	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		

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** 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	\$2,000	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%							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 239
Address : 395 4th AVENUE
Borough : BROOKLYN
Program / Asset # : FIRSECO.239 / 13130
Area Sq Ft : 4,600
Date of Survey : 17-Dec-2021
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 993 **Lot** : 5 **BIN** : 3021578
Agency's Number : N/A
Yr Built/Renovated : 1895 / 2008
Project Type : FIRE DEPARTMENT
Landmark Status : NONE

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$49,900	\$1,800		
Interior Architecture	\$7,500	\$500		
Electrical	\$500	\$500	\$3,000	\$600
Mechanical	\$24,300	\$7,400	\$7,900	\$19,300
Total	\$82,200	\$10,200	\$10,900	\$19,900
Importance Code A	\$50,200	\$2,100	\$200	\$200
Importance Code B	\$30,400	\$7,800	\$10,600	\$19,600
Importance Code C	\$1,700	\$300		
Total	\$82,200	\$10,200	\$10,900	\$19,900



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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. 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%			LIFE	**	5	\$18,900		
Masonry: Limestone	5%			LIFE	**	5	\$900		
Metal/Glass Curt Wall	10%	Now	\$38,900	LIFE	**	5	\$4,400		
Deteriorated Finish, Extent : Moderate, Area Affected : 20%									
Location : 2nd Floor									
Glazing Broken/Cracked, Extent : Moderate, Area Affected : 5%									
Location : 2nd Floor									
Metal Sect. OHD	5%			2046	**	5	\$3,700		
Windows									
Aluminum	100%			2055	**	5	\$700		
Parapets									
Masonry: Brick	70%			LIFE	**	5	\$1,100		
Masonry: Limestone	10%			LIFE	**	5	\$200		
Metal Panel	10%			2059	**	5	\$600		
Metal: Cage/Fence	10%			2050	**	5-10	\$1,200		
Roof									
Modified Bitumen	90%			2041	**	10	\$6,700		
Plaza Roof: Stone Panels	5%			2059	**				
Skylight, Metal/Glass	5%	Now	\$10,200	2059	**				
Water Penetration, Extent : Light, Area Affected : 10%									
Location : Lower Roof									
Interior									
Floors									
Cast in Place Concrete	75%			LIFE	**	5	\$13,200		
Ceramic Tile	5%			2046	**	5	\$400		
Wood	20%	Now	\$1,900	2068	**	5	\$1,500		
Water Penetration, Extent : Moderate, Area Affected : 2%									
Location : 2nd Floor Roof Entry Door									
Interior Walls									
Cast in Place Concrete	5%			LIFE	**				
Ceramic Tile	5%			2046	**	5	\$600		
Concrete Masonry Unit	10%			LIFE	**	5	\$400		
Glass: Single Pane	5%			LIFE	**	5	\$400		
Gypsum Board	55%	Now	\$1,700	LIFE	**	5	\$3,600		
Water Penetration, Extent : Moderate, Area Affected : 5%									
Location : Kitchen									
SGFT/Glazed Masonry	15%			LIFE	**				
Wood	5%			LIFE	**	5	\$2,200		

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

FIRE DEPARTMENT - 057**ENGINE CO. 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	\$3,300	2050	**	5	\$2,000	
	Broken/Missing Elements, Extent : Light, Area Affected : 5%								
	Location : Bathroom 3rd Floor								
	Staining/Discoloring, Extent : Light, Area Affected : 5%								
	Location : Throughout								
	Embossed Metal	20%			LIFE	**	5	\$700	
	Exposed Struc: Steel	20%			LIFE	**			
	Gypsum Board	10%	Now	\$700	LIFE	**	5	\$1,000	
	Cracking/Crumbling, Extent : Light, Area Affected : 5%								
	Location : Weight Room								
	Water Penetration, Extent : Light, Area Affected : 10%								
	Location : Kitchen								
Site Enclosure									
	Fence/Gates								
	Aluminum Rail	100%			2046	**	5-10		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Roof								
	Explanation : Roof Rail								
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%			2046	**			
	Parking/Driveway								
	Cast in Place Concrete	100%			2046	**			
Electrical									
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts									
	Service Equipment								
	Fused Disc Sw	100%			2053	**	5		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Electrical Room								
	Explanation : Main Service Disconnect Switch Rated At 400 Amperes.								
	Transformers								
	Dry Type	100%			2046	**	5		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Electrical Room								
	Explanation : 75 Kilovolt Amperes, 208 Volts Primary, 120 Volts Secondary								
	Switchgear / Switchboard								
	Molded Case Bkrs	100%			2053	**	5	\$100	
	Raceway								
	Conduit	100%			2053	**	1		
	Panelboards								
	Fused Disc Sw	20%			2049	**	5		
	Molded Case Bkrs	80%			2049	**	5	\$100	

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

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
Under 600 Volts									
	Wiring								
	Thermoplastic	100%			2053	**	1		
	Motor Controllers								
	Locally Mounted	100%			2046	**	5		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	**	5	\$100	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2046	**	1	\$1,400	
	Generators								
	Diesel	100%			2042	**	1	\$1,800	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Generator Room								
	Explanation : Emergency Generator Rated At 180 Kilowatts								
	Batteries								
	Lead/Acid	100%			2027	\$2,400	5	\$200	
	Fuel Storage								
	Day Tank	15%			2049	**	5		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Explanation : 50 Gallons Rated Capacity								
	Main Tank	85%			2061	**	5		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Explanation : 350 Gallons Rated Capcity								
Lighting									
	Interior Lighting								
	LED	100%			2038	**			
	Egress Lighting								
	Emergency, Service	50%			2038	**	1		
	Exit, LED	50%			2061	**	1		
	Exterior Lighting								
	LED	10%			2038	**			
	No Component	90%							
Alarm									
	Security System								
	Generic	100%			2038	**	1	\$1,700	
	Other Observation, Extent : N/A, 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

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. 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									
Energy Source	Natural Gas	100%			2059	**	1		
	Conversion Equipment								
	Furnace	65%			2038	**	1	\$1,500	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Roof							
		Explanation : 3 Rooftop Air Conditioning Units With Gasoline Fired Furnaces							
	Hot Water Boiler	35%			2046	**	1	\$800	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Natural Gasoline Fired Hot Water Boiler							
Distribution									
Hot Wtr Piping/Pump		35%			2055	**	4	\$100	
	No Component	65%							
Terminal Devices									
Convactor/Radiator		15%			2046	**	1	\$200	
	Fan Coil Unit/Heat	20%			2038	**	1	\$300	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Apparatus Floor								
	Explanation : Unit Heaters Serve Apparatus Floor								
No Component		65%							
Air Conditioning									
Energy Source	Electricity	100%			2055	**	1		
	Conversion Equipment								
Ext Pkg Unit - Heating/Cooling		50%			2038	**	2	\$100	
		R-134a Refrigerant, Extent : Light, Area Affected : 100%							
	Location : 3 Units On Roof								
Split Unit		10%			2038	**			
		R-22 Refrigerant, Extent : Light, Area Affected : 100%							
	Location : Roof								
No Component		40%							
Terminal Devices									
Fan Coil - 2 Pipe		10%			2038	**	1	\$200	
	No Component	90%							
Heat Rejection									
Air Cooled Condenser Unit		10%			2038	**	2	\$300	
	No Component	90%							
Ventilation									
Distribution									
Ductwork/Diffusers		100%			LIFE	**	2-5	\$2,600	
Exhaust Fans									
Roof		100%			2038	**	2	\$100	

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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									
	H/C Water Piping								
	Brass/Copper	100%			2059	* *	1		
	Water Heater With Tanks								
	Gas Fired	50%			2031	\$8,300	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : One 75 Gallon Unit							
	Gas Fired	50%	0-2	\$5,000	2033	\$8,300	2		
		Malfunctioning, Extent : Moderate, Area Affected : 100%							
		Location : One 75 Gallon Unit. Basement							
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%			2027	\$100	4	\$100	
	Backflow Preventer								
	Generic	100%			2041	* *	1	\$300	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Sprinkler								
	Generic	100%			2059	* *	1-2	\$1,300	
	Chemical System								
	Wet	100%			2031	\$19,900	1-3	\$116,100	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Kitchen							
		Explanation : 1 Set, Covers 25 Square Feet In Kitchen							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 24/ LADDER CO. 5
Address : 227 AVENUE OF THE AMERICAS
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.024 / 13018 **Yr Built/Renovated** : 1975 /
Area Sq Ft : 9,376 **Project Type** : FIRE DEPARTMENT
Date of Survey : 24-Nov-2020 **Landmark Status** : NONE
Areas Surveyed : Floors 1,2
Block : 520 **Lot** : 37 **BIN** : 1080044

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$159,700	
Interior Architecture	\$75,700	
Electrical	\$99,500	\$75,600
Total	\$334,900	\$75,600
Importance Code A	\$159,700	
Importance Code B	\$175,200	\$75,600
Total	\$334,900	\$75,600

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$82,800			
Interior Architecture	\$62,100			\$400
Electrical	\$3,300	\$800	\$16,600	\$700
Mechanical	\$7,900	\$1,800	\$2,600	\$2,200
Site Pavements	\$4,700			
Total	\$160,800	\$2,600	\$19,200	\$3,200
Importance Code A	\$83,300	\$500	\$500	\$500
Importance Code B	\$63,400	\$2,100	\$18,700	\$2,800
Importance Code C	\$14,200			
Total	\$160,800	\$2,600	\$19,200	\$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. 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	\$66,700	2052	* *	5	\$6,000	
		Unit Inoperable, Extent : Severe, Area Affected : 100%							
		Location : Main Door							
		Other Observation, Extent : Severe, Area Affected : 100%							
		Location : Main Door							
		Explanation : Unit Always Breaking Down							
Windows									
	Aluminum	100%	Now	\$29,700	2040	* *	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	\$18,700	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	\$92,900	2037	* *			
		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%			2032		10		
		Staining/Discoloring, Extent : Light, Area Affected : 50%							
		Location : Front Facade							

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. 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+	\$9,300	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	35%	4+	\$27,000	2041	* *	5	\$2,500	
Worn/Eroded, Extent : Light, Area Affected : 25%								
Location : Throughout								
Quarry Tile	5%	4+	\$1,000	2045	* *	5	\$500	
Worn/Eroded, Extent : Light, Area Affected : 10%								
Location : Kitchen								
Vinyl Tile	20%	Now	\$7,600	2027	\$75,700	3	\$1,100	
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+	\$12,500	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%			2045	* *	5	\$7,700	
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : Locker Room And Kitchen								
Exposed Struc: Concrete	35%			LIFE	* *	5	\$800	
Gypsum Board	10%	2-4	\$500	LIFE	* *	5	\$1,800	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : 2nd Floor Corridor								
Site Enclosure								
Fence/Gates								
Chain Link	100%			2052	* *			
Free Standing Walls								
Cast in Place Concrete	100%			2067	* *			

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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%			2045		**			
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On-Site Walkways

Cast in Place Concrete	100%	Now	\$200	2045		**			
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Spalling, Extent : Moderate, Area Affected : 5%

Location : Steps To Rear Yard

Parking/Driveway

Cast in Place Concrete	100%	0-2	\$1,200	2045		**			
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Cracking/Crumbling, Extent : Light, Area Affected : 10%

Location : Front Ramp

Activity Yard

Cast in Place Concrete	100%	0-2	\$3,400	2045		**			
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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	60%			2062		**	5		
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : One 300 Ampere Main Disconnect Switch

Fused Disc Sw	40%			2052		**	5		
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : One 200 Ampere Main Disconnect Switch For Emergency

Switchgear / Switchboard

Molded Case Bkrs	100%			2052		**	5	\$200	
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Raceway

Conduit	100%			2032		\$36,000	1		
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Panelboards

Fused Disc Sw	5%			2031		\$2,400	5		
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Molded Case Bkrs	95%			2031		\$46,000	5	\$200	
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Wiring

Thermoplastic	100%			2032		\$32,500	1		
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Motor Controllers

Locally Mounted	100%			2030		\$17,800	5	\$100	
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Ground

Grounding Devices

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

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. 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%			2030	\$12,900	1	\$2,900	
Generators									
	Diesel	100%			2028	\$99,500	1	\$3,600	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Back Yard							
		Explanation : One 40 Kilowatts							
Batteries									
	Lead/Acid	100%			2025	\$2,400	5	\$300	
Fuel Storage									
	Day Tank	5%			2031	\$1,300	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Back Yard							
		Explanation : One 50 Gallons							
	Main Tank	95%			2035	* *	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Underground							
		Explanation : One 1,000 Gallons							
Lighting									
	Interior Lighting								
	Fluorescent	95%			2032	\$75,600	10	\$8,200	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Throughout The Building							
		Explanation : T-8 Lamps							
	Incandescent	5%			2027	\$5,700	2		
Egress Lighting									
	Emergency, Service	60%			2032	\$3,400	1		
	Exit, Service	40%			2027	\$1,600	1		
Exterior Lighting									
	HID	20%			2027	\$8,500	10		
	No Component	80%							

Mechanical		Current Repair		Future 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%			2052	* *	1		
	Conversion Equipment								
	Hot Water Boiler	100%			2045	* *	1	\$4,600	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement Boiler Room							
		Explanation : One Gas Fired Hot Water Boiler							
	Distribution								
	Hot Wtr Piping/Pump	100%			2040	* *	4	\$500	

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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
Heating									
	Terminal Devices								
	Convactor/Radiator	80%			2037	* *	1	\$2,400	
	Unit Heater - Hot Water	20%			2032	\$10,900			
Air Conditioning									
	Energy Source								
	Electricity	100%			2040	* *	1		
	Conversion Equipment								
	Split Unit	60%			2040	* *			
	Window/Wall Unit	20%			2025	\$6,900	1		
	No Component	20%							
	Heat Rejection								
	Air Cooled Condenser Unit	60%			2040	* *	2	\$3,900	
	No Component	40%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$5,200	
	Exhaust Fans								
	Roof	80%			2040	* *	2	\$200	
	Roof	20%			2032	\$3,600	2	\$100	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2042	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2030	\$16,700	2		
	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%			2032	\$1,800	4	\$200	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : Duplex Unit								
	Backflow Preventer								
	No Component	95%							
	Generic	5%			2037	* *	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%							
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Throughout							
		Explanation : Newly Renovated Restrooms							
Fire Suppression	Chemical System								
	No Component	95%							
	Generic	1%	Now	\$100	2032	\$200	1-3	\$700	
		Damaged, Extent : Moderate, Area Affected : 100%							
		Location : Kitchen							
	Generic	4%			2027	\$600	1-3	\$3,000	

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 240
Address : 1307 PROSPECT AVENUE
Borough : BROOKLYN
Program / Asset # : FIRSECO.240 / 13131
Area Sq Ft : 5,090
Date of Survey : 06-Jan-2022
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5285 **Lot** : 21 **BIN** : 3122838
Agency's Number : N/A
Yr Built/Renovated : 1895 / 2000
Project Type : FIRE DEPARTMENT
Landmark Status : NONE

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$224,200	
Interior Architecture	\$92,500	
Electrical		\$63,500
Total	\$316,700	\$63,500
Importance Code A	\$224,200	
Importance Code B	\$92,500	\$63,500
Total	\$316,700	\$63,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture				\$4,400
Interior Architecture	\$87,100	\$300	\$300	\$400
Electrical	\$500	\$3,100	\$600	\$600
Mechanical	\$50,000	\$4,000	\$4,200	\$21,100
Site Enclosure	\$8,000			
Site Pavements	\$4,600			
Total	\$150,300	\$7,300	\$5,000	\$26,600
Importance Code A	\$500	\$500	\$500	\$4,900
Importance Code B	\$82,400	\$6,800	\$4,500	\$21,700
Importance Code C	\$67,400		\$100	
Total	\$150,300	\$7,300	\$5,000	\$26,600



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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. 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	\$98,900	LIFE	* *	5	\$12,300	
Corrosion/Rusting, Extent : Severe, Area Affected : 5%									
Location : Overhead Door									
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%			2038	* *	5	\$8,800	
Windows									
	Aluminum	100%			2049	* *	5	\$1,400	
Parapets									
	Cast Stone/Terra Cotta	5%			LIFE	* *	5	\$900	
	Masonry: Brick	90%	Now	\$52,300	LIFE	* *	5	\$2,100	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%									
Location : Throughout									
Water Penetration, Extent : Moderate, Area Affected : 20%									
Location : Front Facade Parapet									
	Masonry: Limestone	5%			LIFE	* *	5	\$100	
Roof									
	Metal, Corrugated	10%			2046	* *	1		
	Modified Bitumen	88%	4+	\$73,000	2043	* *			
Blisters, Extent : Moderate, Area Affected : 10%									
Location : Lower And Upper Roof									
Vegetation Growth, Extent : Light, Area Affected : 5%									
Location : Lower Roof									
Worn/Eroded, Extent : Moderate, Area Affected : 60%									
Location : Granular Finish Is Deteriorating Collecting At The Roof Drains. Throughout									
	Skylight, Metal/Glass	2%			2043	* *	10	\$500	
Interior									
Floors									
	Cast in Place Concrete	45%			LIFE	* *	5	\$7,500	
	Ceramic Tile	5%			2042	* *	5	\$400	
	Quarry Tile	5%			2046	* *	5	\$600	
	Vinyl Tile	45%	Now	\$92,500	2043	* *	3	\$1,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%									
Location : Locker Room									
Patching Evident, Extent : Moderate, Area Affected : 15%									
Location : 2nd Floor									
Worn/Eroded, Extent : Moderate, Area Affected : 25%									
Location : 2nd Floor. Locker Room									

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. 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									
Interior Walls									
	Ceramic Tile	2%			2042	**	5	\$200	
	Gypsum Board	15%			LIFE	**	5	\$700	
	Masonry: Brick	15%	Now	\$43,100	LIFE	**			
	Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
	Location : Basement								
	Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
	Location : Basement								
	Water Penetration, Extent : Moderate, Area Affected : 15%								
	Location : Basement								
	Plaster	68%	Now	\$12,500	LIFE	**	5	\$1,600	
	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								
Ceilings									
	AcousTileSusp.Lay-In	40%	Now	\$2,500	2038	**	5	\$1,500	
	Broken/Missing Elements, Extent : Light, Area Affected : 5%								
	Location : Throughout								
	Staining/Discoloring, Extent : Light, Area Affected : 5%								
	Location : Kitchen								
	Water Penetration, Extent : Moderate, Area Affected : 5%								
	Location : Kitchen								
	Embossed Metal	40%	Now	\$17,900	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 Struc: Concrete	20%	Now	\$11,100	LIFE	**	5	\$200	
	Cracking/Crumbling, Extent : Light, Area Affected : 10%								
	Location : Basement								
Site Enclosure									
	Fence/Gates								
	Chain Link	95%	Now	\$8,000	2043	**			
	Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
	Location : Fence Concrete Base								
	Iron Picket	5%			2053	**			
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%			2046	**			
	On-Site Walkways								
	Cast in Place Concrete	100%	Now	\$3,800	2046	**			
	Cracking/Crumbling, Extent : Severe, Area Affected : 25%								
	Location : Throughout								
	Parking/Driveway								
	Cast in Place Concrete	100%			2046	**			

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. 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	

Site Pavements

Activity Yard

Cast in Place Concrete	100%	0-2	\$800	2046	* *
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*Cracking/Crumbling, Extent : Light, Area Affected : 10%**Location : Rear Yard*

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

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2033	\$14,700	5
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : Main Service Disconnect Switch Rated At 200 Amperes.*

Switchgear / Switchboard

Molded Case Bkrs	100%			2033	\$63,500	5	\$100
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Raceway

Conduit	100%			2033	\$36,000	1
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Panelboards

Molded Case Bkrs	50%			2032	\$24,200	5	\$100
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Molded Case Bkrs	50%			2041	* *	5	\$100
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Wiring

Thermoplastic	100%			2043	* *	1
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Ground

Grounding Devices

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

Transfer Switches

Automatic	100%			2038	* *	1	\$1,600
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Generators

Diesel	100%			2036	* *	1	\$2,000
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Side Yard**Explanation : Emergency Generator Rated At 60 Kilowatts*

Batteries

Lead/Acid	100%			2026	\$2,400	5	\$200
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Fuel Storage

Main Tank	100%			2048	* *	5
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Side Yard**Explanation : No Available Ratings Capacity*

Lighting

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

Maintenance \$ are aggregated over a ten-year period. Site specific 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

Lighting

Interior Lighting
Fluorescent

10%
2033 \$4,300 10 \$500
Other Observation, Extent : N/A, Area Affected : 100%
Location : Basement
Explanation : T-8 Lamps

LED

90% 2041 * *

Egress Lighting

Emergency, Service

100% 2033 \$3,100 1

Exterior Lighting

LED

30% 2041 * *

No Component

70%

Alarm

Security System

Generic

100%
2041 * * 1 \$1,900
Other Observation, Extent : N/A, 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% 2053 * * 1

Conversion Equipment

Steam Boiler

100%
2046 * * 1 \$5,000
Other Observation, Extent : Light, Area Affected : 100%
Location : Basement
Explanation : 1 Unit

Distribution

Central Plant Steam

100% 2043 * * 4 \$300

Piping/Pmp

Terminal Devices

Convactor/Radiator

100% 2038 * * 1 \$1,600

Air Conditioning

Energy Source

Electricity

100% 2041 * * 1

Conversion Equipment

Split Unit

10% 2038 * *

Window/Wall Unit

60% Now \$2,300 2028 \$11,300 1
Broken, Extent : Severe, Area Affected : 20%
Location : Locker Room, Bunker Rooms, Kitchen

No Component

30%

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. 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
Ventilation									
	Distribution								
	Ductwork/Diffusers	30%	Now	\$13,100	LIFE	**	2-5	\$900	
		Malfunctioning, Extent : Severe, Area Affected : 10%							
		Location : Kitchen Rooftop							
	No Component	70%							
Exhaust Fans									
	Roof	20%			2038	**	2		
	Roof	15%	Now	\$1,400	2043	**	2		
		Unit Inoperable, Extent : Severe, Area Affected : 20%							
		Location : First Floor Roof							
	No Component	65%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	50%			2053	**	1		
	Galvanized Steel	50%	Now	\$3,200	2038	**	1		
		Corroded, Extent : Severe, Area Affected : 20%							
		Location : Basement							
Water Heater With Tanks									
	Gas Fired	100%	Now	\$16,700	2031	\$33,400	2		
		Other Observation, Extent : Severe, Area Affected : 50%							
		Location : Basement							
		Explanation : Two 75 Gallons Units, One Broken.							
Sanitary Piping									
	Cast Iron	100%			LIFE	**	1		
Storm Drain Piping									
	Cast Iron	100%	0-2	\$3,500	LIFE	**	1		
		Blockage /Clogged, Extent : Severe, Area Affected : 20%							
		Location : Apparatus Floor							
Sump Pump(s)									
	Submersible	100%	Now	\$200	2028	\$200	4	\$100	
		Broken, Extent : Severe, Area Affected : 20%							
		Location : Basement							
Fixtures									
	Generic	100%							
Fire Suppression									
	Chemical System								
	Wet	100%			2031	\$9,600	1-3	\$55,700	
		Other Observation, Extent : N/A, Area Affected : 10%							
		Location : Kitchen							
		Explanation : 12 Square Feet							

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

Estimates are rounded to the nearest hundred dollars.

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

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 241
Address : 6630 THIRD AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.241 / 13132 **Yr Built/Renovated** : 1970 /
Area Sq Ft : 8,575 **Project Type** : FIRE DEPARTMENT
Date of Survey : 13-Oct-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5841 **Lot** : 40 **BIN** : 3144349

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$119,100	
Electrical		\$127,000
Total	\$119,100	\$127,000
Importance Code A		\$63,500
Importance Code B	\$119,100	\$63,500
Total	\$119,100	\$127,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$42,300	\$2,200		
Interior Architecture	\$39,000	\$1,500	\$1,100	
Electrical	\$10,200	\$100	\$100	\$1,300
Mechanical	\$12,700	\$1,500	\$1,100	\$27,300
Site Enclosure	\$10,400			
Site Pavements	\$13,700			
Total	\$128,200	\$5,200	\$2,300	\$28,600
Importance Code A	\$42,700	\$2,600	\$400	\$500
Importance Code B	\$53,900	\$2,600	\$800	\$28,100
Importance Code C	\$31,600		\$1,100	
Total	\$128,200	\$5,200	\$2,300	\$28,600



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. 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%	4+	\$22,300	LIFE	* *	5	\$13,800	
Corrosion/Rusting, Extent : Moderate, Area Affected : 2%								
Location : Entrance Door								
Metal Sect. OHD	10%			2050	* *	5	\$5,400	
Stucco Cement	10%			2046	* *	5	\$4,300	
Windows								
Aluminum	100%	Now	\$8,500	2041	* *	5	\$900	
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 30%								
Location : Throughout								
Roof								
Modified Bitumen	100%	2-4	\$8,800	2038	* *			
Blisters, Extent : Moderate, Area Affected : 5%								
Location : Main Roof								
Interior								
Floors								
Cast in Place Concrete	50%	0-2	\$53,300	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%			2046	* *	5	\$1,300	
Panel/Paver: Cer/Brk	33%			2049	* *	5	\$9,500	
Terrazzo	5%	2-4	\$2,900	LIFE	* *	5	\$500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Kitchen								
Vinyl Tile	2%	Now	\$6,900	2043	* *	3	\$100	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Stair Landing								
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Stair Landing								
Worn/Eroded, Extent : Moderate, Area Affected : 100%								
Location : Stair Landing								

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

Maintenance \$ are aggregated over a ten-year period. Site specific 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

Architecture		Current 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	\$1,700	LIFE	**			
Water Penetration, Extent : Light, Area Affected : 5%								
Location : Upper Foundation Wall At Building Joint								
Ceramic Tile	10%			2042	**	5	\$2,200	
Concrete Masonry Unit	5%			LIFE	**	5	\$500	
Marble Panels	5%			LIFE	**			
Plaster	35%	Now	\$3,700	LIFE	**	5	\$2,400	
Spalling, Extent : Moderate, Area Affected : 5%								
Location : Stairs								
SGFT/Glazed Masonry	40%	4+	\$15,800	LIFE	**			
Diagonal Cracks, Extent : Moderate, Area Affected : 2%								
Location : Kitchen								
Ceilings								
AcousTileSusp.Lay-In	10%			2046	**	5	\$1,600	
Exposed Struc: Concrete	55%	4+	\$65,800	LIFE	**	5	\$1,400	
Water Penetration, Extent : Light, Area Affected : 5%								
Location : Below Washing Machine								
Gypsum Board	5%	2-4	\$700	LIFE	**	5	\$1,000	
Water Penetration, Extent : Light, Area Affected : 2%								
Location : 2nd Floor Bathroom								
Plaster	30%	4+	\$7,300	LIFE	**	5	\$3,100	
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Stairway								
Site Enclosure								
Fence/Gates								
Aluminum Rail	75%	Now	\$10,400	2046	**	5	\$4,600	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Main Roof Detached Guardrail								
Loose/Miss Fasteners, Extent : Severe, Area Affected : 5%								
Location : Throughout								
Chain Link	25%			2043	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	0-2	\$13,700	2038	**			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Throughout Sidewalk								
On-Site Walkways								
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								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific 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%			2033	\$63,500	5	\$200	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Electrical Room									
Explanation : Main Service Disconnect Switch Rated At 300 Amperes.									
	Switchgear / Switchboard								
	Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
	Raceway								
	Conduit	20%			2043	* *	1		
	Conduit	80%			2033	\$28,800	1		
	Panelboards								
	Molded Case Bkrs	20%			2041	* *	5		
	Molded Case Bkrs	80%			2032	\$38,800	5	\$200	
	Wiring								
	Thermoplastic	50%			2043	* *	1		
	Thermoplastic	50%			2033	\$16,300	1		
	Motor Controllers								
	Locally Mounted	100%			2031	\$17,800	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%	2-4	\$10,200	LIFE	* *	5	\$100	
Corroded, Extent : Moderate, Area Affected : 100%									
Location : Basement									
Lighting									
	Interior Lighting								
	LED	100%			2038	* *			
	Egress Lighting								
	Emergency, Battery	50%			2038	* *	10	\$1,000	
	Exit, LED	50%			2061	* *	1		
	Exterior Lighting								
	HID	30%			2033	\$11,700	10		
	No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Energy Source								
	Natural Gas	100%			2053	* *	1		
	Conversion Equipment								
	Hot Water Boiler	100%			2046	* *	1	\$4,200	
	Distribution								
	Hot Wtr Piping/Pump	100%			2041	* *	4	\$600	
	Terminal Devices								
	Convactor/Radiator	70%			2038	* *	1	\$1,900	
	Unit Heater - Hot Water	30%			2033	\$14,900			

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. 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
Air Conditioning									
	Energy Source								
	Electricity	100%			2041	* *	1		
	Conversion Equipment								
	Split Unit	30%			2038	* *			
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Roof							
		Explanation : For Bunker Room. R-410a Refrigerant And Kitchen							
	Window/Wall Unit	30%			2028	\$9,500	1		
	Window/Wall Unit	10%	0-2	\$3,200	2033	\$3,200	1		
		Unit Inoperable, Extent : Moderate, Area Affected : 100%							
		Location : 2 Units In Gymnasium							
	No Component	30%							
Terminal Devices									
	Fan Coil - 2 Pipe	30%			2038	* *	1	\$800	
	No Component	70%							
Heat Rejection									
	Dry Cooler	30%			2038	* *	2	\$1,800	
	No Component	70%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	50%			LIFE	* *	2-5	\$2,400	
	No Component	50%							
	Exhaust Fans								
	Interior	30%			2038	* *	2	\$100	
	Roof	20%			2038	* *	2	\$100	
	No Component	50%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	10%	Now	\$3,200	2043	* *	1		
		Leak Evident, Extent : Moderate, Area Affected : 20%							
		Location : Inside The Wall Of 2nd Floor Laundry Area, Leaking To Apparatus Floor.							
	Brass/Copper	90%			2043	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2028	\$16,700	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Cellar							
		Explanation : One 75 Gallon Heater							
	Sanitary Piping								
	Cast Iron	100%	0-2	\$5,300	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 30%							
		Location : Basement And Apparatus Floor							
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%			2026	\$300	4	\$300	

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

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	Fixtures								
	Generic	100%							
Fire Suppression									
	Sprinkler								
	No Component	70%							
	Generic	30%			2033	\$34,700	1-2	\$700	

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 242
Address : 9219 FIFTH AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.242 / 13133 **Yr Built/Renovated** : 1895 /
Area Sq Ft : 4,800 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Nov-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 6109 **Lot** : 19 **BIN** : 3155323

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$149,200	\$67,800
Electrical		\$63,500
Total	\$149,200	\$131,300
Importance Code B	\$149,200	\$131,300
Total	\$149,200	\$131,300

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$3,100			\$7,400
Interior Architecture	\$81,000	\$300	\$200	\$300
Electrical	\$200	\$200	\$200	\$2,500
Mechanical	\$23,900	\$7,300	\$7,600	\$77,700
Site Enclosure	\$30,100			
Site Pavements	\$3,000			
Total	\$141,400	\$7,800	\$8,000	\$87,800
Importance Code A	\$3,400	\$200	\$200	\$7,600
Importance Code B	\$62,600	\$7,600	\$7,600	\$80,200
Importance Code C	\$75,400		\$200	
Total	\$141,400	\$7,800	\$8,000	\$87,800



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 : 15%								
	Location : Throughout								
	Granite Panels	2%			LIFE	**	5	\$300	
	Wood Overhead Doors	13%			2038	**	5	\$11,300	
Windows									
	Aluminum	100%	Now	\$3,100	2049	**	5	\$300	1
	Broken/Missing Elements, Extent : Severe, Area Affected : 25%								
	Location : Fifth Avenue								
Parapets									
	Masonry: Brick	85%			LIFE	**	5	\$1,200	
	Metal Cornice	15%			2061	**	10	\$700	
Roof									
	Asphalt Shingle	80%			2042	**	10	\$1,100	
	Modified Bitumen	20%			2038	**	10	\$1,700	
Interior									
Floors									
	Cast in Place Concrete	50%	Now	\$149,200	LIFE	**	5	\$7,900	
	Recent Replace Evident, Extent : N/A, Area Affected : 75%								
	Location : Throughout								
	Ceramic Tile	10%	Now	\$7,900	2042	**	5	\$400	
	Cracking/Crumbling, Extent : Light, Area Affected : 15%								
	Location : Throughout								
	Quarry Tile	5%			2046	**	5	\$500	
	Vinyl Tile	35%	Now	\$13,600	2033	\$67,800	3	\$900	
	Cracking/Crumbling, Extent : Light, Area Affected : 10%								
	Location : Throughout								
Interior Walls									
	Ceramic Tile	5%			2042	**	5	\$500	
	Gypsum Board	15%			LIFE	**	5	\$900	
	Masonry: Brick	15%			LIFE	**			
	Plaster	60%	Now	\$42,300	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 \$8,800 2046 * * 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 \$8,500 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 \$30,100 2053 * *
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%
Location : Rear Yard

Site Pavements**Public Sidewalk**

Cast in Place Concrete 100% 2050 * *

On-Site Walkways

Cast in Place Concrete 100% Now \$3,000 2046 * *
Cracking/Crumbling, Extent : Moderate, Area Affected : 50%
Location : Throughout

Parking/Driveway

Cast in Place Concrete 100% 2050 * *

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

Under 600 Volts**Service Equipment**

Fused Disc Sw 100% 2033 \$14,700 5
Other Observation, Extent : N/A, Area Affected : 100%
Location : Basement
Explanation : Main Service Disconnect Switch Rated At 200 Amperes.

Switchgear / Switchboard

Molded Case Bkrs 100% 2033 \$63,500 5 \$100

Raceway

Conduit 20% 2043 * * 1
Conduit 80% 2033 \$28,800 1

Panelboards

Molded Case Bkrs 50% 2032 \$24,200 5 \$100
Molded Case Bkrs 50% 2041 * * 5 \$100

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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									
	Wiring								
	Thermoplastic	100%			2043	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2038	* *	5		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Lighting									
	Interior Lighting								
	Fluorescent	70%			2033	\$28,500	10	\$3,100	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement, 1st Floor							
		Explanation : T-8 Lamps							
	LED	30%			2041	* *			
	Exterior Lighting								
	HID	10%			2028	\$2,200	10		
	No Component	90%							
Alarm									
	Security System								
	Generic	100%			2033	\$8,800	1	\$1,800	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Front Only							
		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%			2043	* *	1		
	Conversion Equipment								
	Furnace	20%			2033	\$2,900	1	\$500	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Roof							
		Explanation : Serves 2nd Floor							
	Hot Water Boiler	80%			2046	* *	1	\$1,900	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Hot Water Boiler							
Distribution									
	Hot Wtr Piping/Pump	80%			2032	\$8,200	4	\$200	
	No Component	20%							
Terminal Devices									
	Convactor/Radiator	80%			2031	\$30,700	1	\$1,200	
	No Component	20%							

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. 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									
	Energy Source								
	Electricity	100%			2041	**	1		
Conversion Equipment									
	Split Unit	10%			2038	**			
	Window/Wall Unit	50%	0-2	\$900	2028	\$8,900	1		
		Not Energy Efficient, Extent : Moderate, Area Affected : 10%							
		Location : The Gymnasium In 2nd Floor							
	No Component	40%							
Terminal Devices									
	Fan Coil - 2 Pipe	10%			2038	**	1	\$200	
	No Component	90%							
Heat Rejection									
	Air Cooled Condenser Unit	10%			2038	**	2	\$300	
	No Component	90%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	30%			LIFE	**	2-5	\$800	
	No Component	70%							
Exhaust Fans									
	Roof	20%	0-2	\$700	2033	\$1,800	2		
		Not in Service, Extent : Moderate, Area Affected : 20%							
		Location : Bath Room Exhaust Fans							
	Wall Unit	50%	2-4	\$1,000	2043	**	2	\$100	
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Apparatus Floor							
		Explanation : 1 Unit Is On Extended Life Time.							
	No Component	30%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2053	**	1		
Water Heater With Tanks									
	Gas Fired	100%			2028	\$33,400	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon Units							
Sanitary Piping									
	Cast Iron	100%	Now	\$5,900	LIFE	**	1		
		Blockage /Clogged, Extent : Severe, Area Affected : 5%							
		Location : 2nd Floor Bath Room							
		Leak Evident, Extent : Severe, Area Affected : 5%							
		Location : Leaks To The Ceiling Of Kitchen Causing Health Issue, It Needs To Be Take Care Soon.							
Storm Drain Piping									
	Cast Iron	100%			LIFE	**	1		
Sump Pump(s)									
	Submersible	100%			2027	\$100	4	\$100	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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

FIRE DEPARTMENT - 057
ENGINE CO. 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
Plumbing									
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2028	\$19,900	1-3	\$101,100	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Covers 25 Square Feet In 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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 243/LADDER CO. 168
Address : 8653 18th AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.243 / 13134 **Yr Built/Renovated** : 1896 / 2009
Area Sq Ft : 5,742 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-Nov-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 6369 **Lot** : 24 **BIN** : 3166596

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture		\$64,400
Interior Architecture	\$233,200	
Site Enclosure	\$53,600	
Total	\$286,800	\$64,400
Importance Code A		\$64,400
Importance Code B	\$143,500	
Importance Code C	\$143,200	
Total	\$286,800	\$64,400

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$21,700			
Interior Architecture	\$103,600	\$2,000	\$600	\$400
Electrical	\$3,000	\$500	\$2,900	\$400
Mechanical	\$37,300	\$6,200	\$6,200	\$26,900
Site Pavements	\$32,900			
Total	\$198,400	\$8,700	\$9,800	\$27,700
Importance Code A	\$21,900	\$300	\$300	\$300
Importance Code B	\$139,300	\$8,400	\$9,100	\$27,400
Importance Code C	\$37,200		\$400	
Total	\$198,400	\$8,700	\$9,800	\$27,700



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%	2-4	\$2,000	2053	**			
Deformed/Dented, Extent : Moderate, Area Affected : 5%									
Location : Side Facade									
	Cast Stone/Terra Cotta	5%			LIFE	**	5	\$7,900	
	Concrete Masonry Unit	5%			LIFE	**	5	\$600	
	Masonry: Brick	80%			LIFE	**	5	\$16,200	
Windows									
	Aluminum	100%			2049	**	5	\$500	
Parapets									
	Cast Stone/Terra Cotta	40%			LIFE	**	5	\$1,500	
	Masonry: Brick	60%	Now	\$17,700	LIFE	**	5	\$300	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%									
Location : Throughout									
Roof									
	Copper/Terne	5%			2061	**	10	\$900	
	Copper/Terne	5%			2061	**	10	\$900	
	Modified Bitumen	85%			2033	\$64,400	10	\$6,000	
	Skylight, Metal/Glass	5%	4+	\$1,900	2053	**			
Other Observation, Extent : Moderate, Area Affected : 100%									
Location : 2nd Floor									
Explanation : Does Not Close Properly									
Interior									
Floors									
	Cast in Place Concrete	60%	Now	\$143,500	LIFE	**	5	\$12,600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%									
Location : Apparatus Floor									
	Ceramic Tile	5%			2042	**	5	\$500	
	Quarry Tile	5%			2046	**	5	\$700	
	Vinyl Tile	30%	Now	\$46,600	2038	**	3	\$1,100	
Cracking/Crumbling, Extent : Severe, Area Affected : 60%									
Location : Throughout Locker Room And Bunk Room									

*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. 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%			2042	* *	5	\$800	
	Masonry: Brick	10%	Now	\$89,700	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	\$4,300	LIFE	* *	5	\$2,700	
	Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
	Location : Basement								
	Paint Peeling, Extent : Severe, Area Affected : 5%								
	Location : Weight Room, Office On 2nd Floor								
	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%			2046	* *	5	\$500	
	AcousTileSusp.Lay-In	30%			2046	* *	5	\$2,800	
	Embossed Metal	30%	Now	\$16,700	LIFE	* *	5	\$1,300	
	Broken/Missing Elements, Extent : Light, Area Affected : 30%								
	Location : Throughout								
	Exposed Struc: Concrete	20%	Now	\$13,800	LIFE	* *	5	\$300	
	Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
	Location : Basement								
	Exposed Struc: Steel	5%	Now	\$22,200	LIFE	* *			
	Corrosion/Rusting, Extent : Moderate, Area Affected : 25%								
	Location : Underside Of Stairs								
	Gypsum Board	10%			LIFE	* *	5	\$1,200	
Site Enclosure									
Fence/Gates									
	Chain Link	80%	Now	\$53,600	2063	* *			
	Broken/Missing Elements, Extent : Severe, Area Affected : 50%								
	Location : Throughout								
	Corrosion/Rusting, Extent : Severe, Area Affected : 100%								
	Location : Throughout								
	Iron Picket	20%			2068	* *			
Free Standing Walls									
	Cast in Place Concrete	100%			2068	* *			

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

Public Sidewalk

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

Cast in Place Concrete	100%	Now	\$25,700	2053		**			
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*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	\$7,200	2046		**			
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*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%			2043		**	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 200 Ampere Main Disconnect Switch*

Raceway

Conduit	100%			2043		**	1		
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Panelboards

Fused Disc Sw	5%			2041		**	5		
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Molded Case Bkrs	95%			2041		**	5	\$100	
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Wiring

Thermoplastic	100%			2043		**	1		
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Motor Controllers

Locally Mounted	100%			2038		**	5		
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Ground

Grounding Devices

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

Transfer Switches

Automatic	100%			2046		**	1	\$1,800	
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Generators

Diesel	100%			2042		**	1	\$2,200	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside Rear Yard**Explanation : One 60 Kilowatts*

Batteries

Lead/Acid	100%			2027		\$2,400	5	\$200	
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Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 243/LADDER CO. 168
Asset # : 13134

Electrical		Current Repair			Future Replacement		Maintenance		
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	50%			2061	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Outside Rear Yard									
Explanation : 60 Gallons									
	Main Tank	50%			2048	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : One 550 Gallons									
Lighting									
Interior Lighting									
	Fluorescent	25%			2033	\$12,200	10	\$1,300	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%									
Location : Basement									
	Fluorescent	75%			2033	\$36,500	10	\$4,000	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%									
Location : First And Second Floor									
Exterior Lighting									
	HID	10%			2033	\$2,600	10		
	HID	10%	Now	\$2,600	2043	* *			
Malfunctioning, Extent : Severe, Area Affected : 100%									
Location : Front Of The Building									
	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%			2043	* *	1		
	Conversion Equipment								
	Hot Water Boiler	100%			2046	* *	1	\$2,800	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : 2 Natural Gasoline Fired Sectional Hot Water Boilers								
	Distribution								
	Hot Wtr Piping/Pump	100%			2041	* *	4	\$400	
	Terminal Devices								
	Convactor/Radiator	100%			2038	* *	1	\$1,900	
Air Conditioning									
	Energy Source								
	Electricity	100%			2041	* *	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** 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
Air Conditioning									
	Conversion Equipment								
	Split Unit	25%	0-2	\$6,700	2038	* *			
		Leak Evident, Extent : Moderate, Area Affected : 25%							
		Location : Split Unit At Locker Room Leaking							
	Window/Wall Unit	50%	0-2	\$500	2028	\$10,600	1		
		Malfunctioning, Extent : Moderate, Area Affected : 5%							
		Location : Kitchen Window, Wall Unit Is Not Working							
	No Component	25%							
Ventilation									
	Exhaust Fans								
	Roof	60%			2033	\$6,500	2	\$100	
	Wall Unit	40%	0-2	\$2,000	2033	\$4,000	2	\$100	
		Malfunctioning, Extent : Moderate, Area Affected : 40%							
		Location : Kitchen Exhaust Is Not Working							
Plumbing									
	H/C Water Piping								
	Galvanized Steel	100%	0-2	\$7,200	2038	* *	1		
		Corroded, Extent : Moderate, Area Affected : 5%							
		Location : Corroded Water Main							
		Leak Evident, Extent : Moderate, Area Affected : 10%							
		Location : Leaking Cold, Hot Water Piping							
		Other Observation, Extent : Light, Area Affected : 5%							
		Location : Incoming Water Service							
		Explanation : Obsolete Material. Water Service From Street							
	Water Heater With Tanks								
	Gas Fired	100%			2031	\$16,700	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : One 74 Gallon Unit							
	Sanitary Piping								
	Cast Iron	100%	Now	\$3,500	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 30%							
		Location : Second Floor Water Closet							
	Storm Drain Piping								
	Cast Iron	100%	Now	\$1,000	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 100%							
		Location : Apparatus Floor Drains							
	Backflow Preventer								
	No Component	98%							
	Generic	2%			2038	* *	1		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Serves Boiler Only							
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. 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
Fire Suppression	Chemical System								
	Wet	100%			2031	\$16,700	1-3	\$97,500	
		Other Observation, Extent : Light, Area Affected : 5%							
		Location : Kitchen, Covers 21 Square Feet							
		Explanation : Kitchen Fire Suppression System							

*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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 245/LADDER CO. 161 / BATTALION 43/ 60TH PRECINCT
Address : 2929 WEST 8th STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.245 / 13135 **Yr Built/Renovated** : 1971 / 2001
Area Sq Ft : 8,650 **Project Type** : FIRE DEPARTMENT
Date of Survey : 13-Jul-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 7279 **Lot** : 290 **BIN** : 3196591

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$311,200	\$339,300
Interior Architecture		\$52,400
Mechanical	\$63,800	\$121,100
Site Enclosure	\$62,600	
Total	\$437,600	\$512,800
Importance Code A	\$311,200	\$339,300
Importance Code B	\$63,800	\$173,500
Importance Code C	\$62,600	
Total	\$437,600	\$512,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$42,500	\$3,900		\$900
Interior Architecture	\$14,300	\$300	\$12,100	
Electrical	\$600	\$700	\$700	\$3,300
Mechanical	\$61,900	\$22,300	\$22,700	\$61,600
Total	\$119,300	\$27,100	\$35,500	\$65,800
Importance Code A	\$42,500	\$3,900		\$900
Importance Code B	\$69,600	\$23,200	\$31,000	\$64,900
Importance Code C	\$7,300		\$4,400	
Total	\$119,300	\$27,100	\$35,500	\$65,800



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								
Alum/Vinyl Siding	10%			2053	* *	10	\$1,600	
Masonry: Brick	65%	Now	\$130,200	LIFE	* *	5	\$32,400	
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	\$3,200	2053	* *	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%			2046	* *	5	\$7,800	
Pre-Cast Concrete	15%	Now	\$26,500	LIFE	* *	5	\$24,300	
Caulking Deteriorated, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Windows								
Aluminum	100%			2049	* *	5	\$6,100	
Parapets								
Masonry: Brick	80%	Now	\$181,000	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%			2043	* *	5	\$1,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Metal Coping At Parapet								
Metal Rail	10%	Now	\$6,000	2038	* *	5	\$3,200	
Deformed/Dented, Extent : Moderate, Area Affected : 50%								
Location : West Elevation								
Roof								
Asphalt Shingle	15%			2042	* *	10	\$1,000	
Modified Bitumen	83%	4+	\$6,800	2033	\$339,300			
Blisters, Extent : Light, Area Affected : 5%								
Location : Main Roof								
Skylight, Metal/Glass	2%			2053	* *	10	\$2,600	
Soffits								
Pre-Cast Concrete	100%			LIFE	* *	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. 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%			2042	**	5		\$15,300	
Terrazzo	5%			LIFE	**	5		\$1,700	
Vinyl Tile	5%			2038	**	3		\$800	

Interior Walls

Ceramic Tile	15%			2042	**	5		\$8,900	
Gypsum Board	5%			LIFE	**	5		\$1,800	
Plaster	35%			LIFE	**	5		\$6,200	
SGFT/Glazed Masonry	7%	Now		\$7,300	LIFE	**			

Broken/Missing Elements, Extent : Light, Area Affected : 2%

Location : Stair Landing To Roof

SGFT/Glazed Masonry	33%			LIFE	**				
Wood	5%			LIFE	**	5		\$11,800	

Ceilings

AcousTileSusp.Lay-In	50%	Now		\$7,000	2053	**	5	\$10,800	
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Broken/Missing Elements, Extent : Light, Area Affected : 5%

Location : Throughout

Staining/Discoloring, Extent : Light, Area Affected : 3%

Location : Throughout

Exposed Struc: Concrete	20%			LIFE	**	5		\$1,300	
Plaster	30%			LIFE	**	5		\$8,100	

Site Enclosure

Fence/Gates

Wood	100%			2027		\$62,600			
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Site Pavements

Public Sidewalk

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

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

Cast in Place Concrete	100%			2046	**				
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Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2053	**	5			
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Other Observation, Extent : N/A, Area Affected : 100%

Location : 1st Floor

Explanation : Main Service Disconnect Switch Rated At 400 Amperes.

Switchgear / Switchboard

Molded Case Bkrs	100%			2053	**	5		\$200	
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FIRE DEPARTMENT - 057
ENGINE CO. 245/LADDER CO. 161 / BATTALION 43/ 60TH PRECINCT
Asset # : 13135

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts									
Raceway									
	Conduit	30%			2033	\$10,800	1		
	Conduit	70%			2053	* *	1		
Panelboards									
	Molded Case Bkrs	30%			2032	\$14,500	5	\$100	
	Molded Case Bkrs	70%			2049	* *	5	\$200	
Wiring									
	Thermoplastic	70%			2053	* *	1		
	Thermoplastic	30%			2033	\$9,800	1		
Motor Controllers									
	Locally Mounted	100%			2031	\$17,800	5	\$100	
Ground									
	Grounding Devices								
	Not Accessible	100%							
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2050	* *	1	\$2,700	
Generators									
	Natural Gas	100%			2046	* *	1	\$3,400	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Roof								
	Explanation : Emergency Generator Rated At 60 Kilowatts								
Batteries									
	Lead/Acid	100%			2028	\$2,400	5	\$300	
Lighting									
	Interior Lighting								
	Fluorescent	50%			2033	\$36,700	10	\$4,000	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : 1st Floor								
	Explanation : T-8 Lamps								
	LED	50%			2041	* *			
Egress Lighting									
	Exit, Service	100%			2041	* *	1		
Exterior Lighting									
	LED	30%			2041	* *			
	No Component	70%							
Alarm									
	Security System								
	No Component	90%							
	Generic	10%			2033	\$1,600	1	\$300	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Front Only								
	Explanation : CCTV Surveillance Cameras								

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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
Heating									
	Energy Source								
	Natural Gas	100%			2053	**	1		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : 60th Precinct							
		Explanation : Service From Adjacent Building							
Conversion Equipment									
	Not Accessible	100%							
		Other Observation, Extent : N/A, Area Affected : 0%							
		Location :							
		Explanation : Heating Source Is Supplied From Adjacent 60th Precinct							
Distribution									
	Hot Wtr Piping/Pump	100%	0-2	\$400	2041	**	4	\$400	
		Not in Service, Extent : Moderate, Area Affected : 5%							
		Location : The Thermostat In 2nd Floor							
Terminal Devices									
	Convactor/Radiator	75%			2031	\$51,800	1	\$2,100	
	Unit Heater - Hot Water	25%			2028	\$12,500			
Air Conditioning									
	Energy Source								
	Electricity	100%			2041	**	1		
Conversion Equipment									
	Exterior Pkg Unit - Cooling	30%			2038	**	2	\$200	
	Window/Wall Unit	50%	0-2	\$8,000	2031	\$16,000	1		
		On Extended Life, Extent : Moderate, Area Affected : 50%							
		Location : And Inefficient, Various Locations							
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Various Locations							
		Explanation : Window Units Compensate For Ineffective Cooling Provided From Adjacent 60th Precinct							
	No Component	20%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	75%			LIFE	**	2-5	\$3,600	
	No Component	25%							
Exhaust Fans									
	Roof	75%			2038	**	2	\$200	
	Wall Unit	25%			2028	\$900	2	\$100	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2043	**	1		
Water Heater With Tanks									
	Electric	100%			2031	\$69,300	4		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon Units. There Are 2 Brand New Units Sit On 2nd Floor For Long Time Without Connecting To Energy Source.							

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FIRE DEPARTMENT - 057
ENGINE CO. 245/LADDER CO. 161 / BATTALION 43/ 60TH PRECINCT
Asset # : 13135

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Plumbing	Sanitary Piping							
	Cast Iron	100%	0-2	\$5,300	LIFE	* *	1	
	<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>							
	<i>Location : The Rear Of Apparatus Floor</i>							
	<i>Leak Evident, Extent : Moderate, Area Affected : 5%</i>							
	<i>Location : To Apparatus Floor From 2nd Floor Main Bathroom.</i>							
	Storm Drain Piping							
	Cast Iron	100%			LIFE	* *	1	
	Sump Pump(s)							
	Non-Submersible	100%			2033	\$1,700	4	\$300
	Fixtures							
Fire Suppression	Generic	100%						
	Sprinkler							
	No Component	90%						
	Generic	10%			2033	\$11,700	1-2	\$200
	Chemical System							
	Generic	100%			2028	\$63,800	1-3	\$323,600
	<i>Other Observation, Extent : N/A, Area Affected : 100%</i>							
	<i>Location : Covers 80 Square Feet In Kitchen And Cooking Area In Back Of The Building</i>							
	<i>Explanation : 2 Sets</i>							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 246/LADDER CO. 169
Address : 2732 EAST 11th STREET @ BLAKE CT.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.246 / 13136 **Yr Built/Renovated** : 1960 / 2004
Area Sq Ft : 7,476 **Project Type** : FIRE DEPARTMENT
Date of Survey : 01-Dec-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 8761 **Lot** : 38 **BIN** : 3246894

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$92,700	
Electrical		\$126,900
Total	\$92,700	\$126,900
Importance Code B	\$92,700	\$126,900
Total	\$92,700	\$126,900

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$14,100			\$10,200
Interior Architecture	\$119,500	\$200	\$400	\$1,000
Electrical	\$16,500	\$300	\$300	\$400
Mechanical	\$21,000	\$42,800	\$8,900	\$15,800
Site Enclosure	\$6,500			
Site Pavements	\$3,900			
Total	\$181,500	\$43,300	\$9,700	\$27,400
Importance Code A	\$14,400	\$400	\$400	\$10,600
Importance Code B	\$120,700	\$43,000	\$8,900	\$16,800
Importance Code C	\$46,400		\$400	
Total	\$181,500	\$43,300	\$9,700	\$27,400



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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
Exterior								
Exterior Walls								
Alum/Vinyl Siding	5%	Now	\$400	2043	**			
Broken/Missing Elements, Extent : Light, Area Affected : 1%								
Location : Racquetball Court On Roof								
Masonry: Brick	70%			LIFE	**	5	\$14,400	
Masonry: Granite	5%	2-4	\$1,600	LIFE	**	5	\$800	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%								
Location : Front Facade								
Masonry: Limestone	5%			LIFE	**	5	\$800	
Metal Sect. OHD	15%			2050	**	5	\$9,700	
Windows								
Aluminum	100%	Now	\$7,300	2041	**	5	\$1,600	
Glazing Broken/Cracked, Extent : Moderate, Area Affected : 50%								
Location : Watch Room								
Parapets								
Masonry: Brick	85%			LIFE	**	5	\$2,100	
Masonry: Limestone	15%			LIFE	**	5	\$500	
Roof								
Modified Bitumen	95%			2038	**	10	\$10,200	
Skylight, Plastic	5%			2046	**	1		
Interior								
Floors								
Cast in Place Concrete	45%	0-2	\$42,800	LIFE	**	5	\$11,300	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Ceramic Tile	8%			2048	**	5	\$900	
Quarry Tile	5%	Now	\$800	2046	**	5	\$400	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : 1st Floor Lounge								
Vinyl Tile	30%	Now	\$92,700	2043	**	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	\$26,800	2043	**	3	\$400	
Broken/Missing Elements, Extent : Severe, Area Affected : 80%								
Location : Exercise Room								
Cracking/Crumbling, Extent : Severe, Area Affected : 80%								
Location : Exercise Room								
Wood	2%			2061	**	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+	\$29,200	LIFE	**			
		Cracking/Crumbling, Extent : Moderate, Area Affected : 5%							
		Location : Basement, Oil Tank Room, Boiler Room, Stairwell							
	Ceramic Tile	5%			2042	**	5	\$800	
	Concrete Masonry Unit	2%	Now	\$600	LIFE	**	5	\$100	
		Water Penetration, Extent : Moderate, Area Affected : 5%							
		Location : Basement By Chimney							
	Gypsum Board	20%	0-2	\$4,300	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%	Now	\$1,800	LIFE	**			
		Broken/Missing Elements, Extent : Light, Area Affected : 5%							
		Location : Racquetball Court							
	SGFT/Glazed Masonry	10%			LIFE	**			
Ceilings									
	AcousTileConcealSpLn	50%	Now	\$4,500	2046	**	5	\$3,600	
		Broken/Missing Elements, Extent : Moderate, Area Affected : 5%							
		Location : 2nd Floor							
		Staining/Discoloring, Extent : Moderate, Area Affected : 5%							
		Location : 2nd Floor							
	Plaster	50%	Now	\$8,500	LIFE	**	5	\$3,600	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : 2nd Floor Bunkroom							
Site Enclosure									
Fence/Gates									
	Chain Link	100%	Now	\$6,500	2043	**			
		Broken/Missing Elements, Extent : Severe, Area Affected : 25%							
		Location : Gate Broken							
		Corrosion/Rusting, Extent : Moderate, Area Affected : 25%							
		Location : Driveway							
Site Pavements									
Public Sidewalk									
	Cast in Place Concrete	100%			2046	**			
On-Site Walkways									
	Cast in Place Concrete	100%			2046	**			
Parking/Driveway									
	Asphalt	100%	Now	\$3,900	2042	**			
		Cracking/Crumbling, Extent : Light, Area Affected : 10%							
		Location : Driveway							
		Sinking/Subsiding, Extent : Moderate, Area Affected : 5%							
		Location : Driveway							

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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									
	Service Equipment								
	Fused Disc Sw	100%			2033	\$14,700	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Main Service Disconnect Switch Rated At 400 Amperes.							
	Switchgear / Switchboard								
	Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
	Raceway								
	Conduit	100%			2033	\$36,000	1		
	Panelboards								
	Molded Case Bkrs	50%			2041	* *	5	\$100	
	Molded Case Bkrs	50%			2032	\$24,200	5	\$100	
	Wiring								
	Braided Cloth	50%	2-4	\$16,300	2058	* *	1		
		Insulation Aged, Extent : Moderate, Area Affected : 100%							
		Location : Throughout The Building							
	Thermoplastic	50%			2043	* *	1		
Ground									
	Grounding Devices								
	Not Accessible	100%							
Lighting									
	Interior Lighting								
	Fluorescent	98%			2033	\$62,100	10	\$6,700	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Throughout The Building							
		Explanation : T-8 Lamps							
	Fluorescent	2%			2033	\$1,300	10	\$100	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Lounge Area							
		Explanation : Compact Fluorescent Lights							
	Exterior Lighting								
	HID	20%			2033	\$6,800	10		
	No Component	80%							
Alarm									
	Security System								
	Generic	100%			2033	\$13,700	1	\$2,800	
		Other Observation, Extent : N/A, 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%			2059	* *	1		

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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%			2050	**	1	\$3,700	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : One Boiler							
Distribution									
	Hot Wtr Piping/Pump	100%	0-2	\$800	2041	**	4	\$400	
		Insul. Deteriorating, Extent : Moderate, Area Affected : 30%							
		Location : Basement And Various Locations							
Terminal Devices									
	Convactor/Radiator	70%			2031	\$41,800	1	\$1,700	
	Fan Coil Unit/Heat	30%			2038	**	1	\$700	
Air Conditioning									
	Energy Source								
	Electricity	100%			2049	**	1		
	Conversion Equipment								
	Window/Wall Unit	25%			2028	\$6,900	1		
	Window/Wall Unit	25%	0-2	\$6,900	2033	\$6,900	1		
		Not Energy Efficient, Extent : Moderate, Area Affected : 100%							
		Location : Various Locations							
		On Extended Life, Extent : Moderate, Area Affected : 100%							
		Location : Various Locations							
	No Component	50%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	10%			LIFE	**	2-5	\$400	
	No Component	90%							
	Exhaust Fans								
	Roof	10%			2038	**	2		
	Wall Unit	25%	0-2	\$800	2043	**	2		
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Apparatus Floor							
		Explanation : 1 Unit. On Extended Life Time							
	No Component	65%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2043	**	1		
	Water Heater With Tanks								
	Gas Fired	100%			2033	\$33,400	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon Units							
Sanitary Piping									
	Cast Iron	10%	0-2	\$3,700	LIFE	**	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 40%							
		Location : Apparatus Floor And Drive Way.							
	Cast Iron	90%			LIFE	**	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 246/LADDER CO. 169
Asset # : 13136

Mechanical		Current Repair		Future Replacement		Maintenance			
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%			2026	\$200	4	\$200	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2026	\$23,900	1-3	\$111,600	
				Other Observation, Extent : N/A, Area Affected : 100%					
				Location : Covers 30 Square Feet In Kitchen.					
				Explanation : 1 Set					

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 247
Address : 1336 60th STREET BTWN 13TH AVE - 14TH AVE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.247 / 13137 **Yr Built/Renovated** : 1897 /
Area Sq Ft : 5,356 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Jan-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5719 **Lot** : 22 **BIN** : 3141309

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$211,700	
Interior Architecture	\$132,900	
Electrical		\$63,500
Mechanical		\$66,800
Total	\$344,600	\$130,300
Importance Code A	\$211,700	
Importance Code B		\$130,300
Importance Code C	\$132,900	
Total	\$344,600	\$130,300

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$32,500	\$3,800		
Interior Architecture	\$58,900	\$300		\$400
Electrical	\$10,200		\$100	\$7,400
Mechanical	\$14,600	\$400	\$400	\$33,800
Site Enclosure	\$8,600			
Site Pavements	\$5,100			
Total	\$130,000	\$4,500	\$500	\$41,500
Importance Code A	\$32,800	\$4,000	\$300	\$300
Importance Code B	\$76,000	\$500	\$200	\$41,200
Importance Code C	\$21,200			
Total	\$130,000	\$4,500	\$500	\$41,500



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. 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	\$3,700	LIFE	**	5	\$5,900	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : North Facade								
	Copper/Terne	2%			2053	**	10	\$700	
	Masonry: Brick	83%	Now	\$146,500	LIFE	**	5	\$12,600	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : Front Facade								
	Diagonal Cracks, Extent : Moderate, Area Affected : 10%								
	Location : Front Facade								
	Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
	Location : Front Facade								
	Wood Overhead Doors	10%			2046	**	5	\$7,600	
Windows									
	Aluminum	100%	Now	\$8,600	2041	**	5	\$500	
	Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%								
	Location : Throughout								
Parapets									
	Cast Stone/Terra Cotta	5%	Now	\$800	LIFE	**	5	\$400	
	Open Joints, Extent : Light, Area Affected : 20%								
	Location : Throughout								
	Masonry: Brick	95%			LIFE	**	5	\$900	
Roof									
	Asphalt Shingle	10%	Now	\$4,300	2048	**			1
	Broken/Missing Elements, Extent : Severe, Area Affected : 50%								
	Location : Throughout								
	Built-Up (BUR)	70%	0-2	\$65,200	2043	**			
	Worn/Eroded, Extent : Moderate, Area Affected : 100%								
	Location : Throughout								
	Modified Bitumen	15%	2-4	\$3,900	2033	\$13,100			2
	Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 25%								
	Location : Throughout								
	Skylight, Metal/Glass	5%	0-2	\$11,200	2043	**			
	Glazing Broken/Cracked, Extent : Moderate, Area Affected : 10%								
	Location : Bunk Room								
Interior									
Floors									
	Cast in Place Concrete	40%	4+	\$4,900	LIFE	**	5	\$6,500	
	Cracking/Crumbling, Extent : Light, Area Affected : 5%								
	Location : Apparatus Floor								
	Ceramic Tile	5%			2048	**	5	\$400	
	Quarry Tile	5%			2046	**	5	\$600	
	Wood	50%	4+	\$21,600	2048	**	5	\$3,500	
	Deteriorated Finish, Extent : Light, Area Affected : 50%								
	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. 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								
Gypsum Board	10%			LIFE	**	5	\$600	
Masonry: Brick	35%	Now	\$132,900	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 Electric Panel								
Metal Panel	10%	0-2	\$2,600	LIFE	**			
Deformed/Dented, Extent : Light, Area Affected : 10%								
Location : Throughout								
Plaster	40%	Now	\$4,900	LIFE	**	5	\$1,200	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Wood	5%			LIFE	**	5	\$2,000	
Ceilings								
AcousTileSusp.Lay-In	5%			2038	**	5	\$400	
Embossed Metal	50%	4+	\$19,100	LIFE	**	5	\$1,700	
Deteriorated Finish, Extent : Light, Area Affected : 10%								
Location : Throughout								
Exposed Struc: Concrete	15%			LIFE	**	5	\$200	
Gypsum Board	5%	Now	\$300	LIFE	**	5	\$500	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Toilet								
Plaster	25%	0-2	\$5,500	LIFE	**	5	\$1,200	
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Throughout								
Site Enclosure								
Fence/Gates								
Chain Link	50%	2-4	\$8,600	2043	**			
Corrosion/Rusting, Extent : Light, Area Affected : 10%								
Location : Throughout								
Iron Picket	50%			2068	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	**			
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$5,100	2046	**			
Cracking/Crumbling, Extent : Light, Area Affected : 20%								
Location : Rear Yard And Walkway Along Side Of Building								
Parking/Driveway								
Cast in Place Concrete	100%			2046	**			

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

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

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

FIRE DEPARTMENT - 057
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%			2033	\$14,700	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Main Service Disconnect Switch Rated At 200 Amperes.							
	Switchgear / Switchboard								
	Fused Disc Sw	100%			2033	\$63,500	5		
	Raceway								
	Conduit	100%			2033	\$36,000	1		
	Panelboards								
	Molded Case Bkrs	80%			2032	\$38,800	5	\$100	
	Molded Case Bkrs	20%			2041	* *	5		
	Wiring								
	Thermoplastic	20%			2043	* *	1		
	Thermoplastic	80%			2033	\$26,000	1		
Ground									
	Grounding Devices								
	Generic	100%	0-2	\$10,200	LIFE	* *	5	\$100	
		Corroded, Extent : Moderate, Area Affected : 100%							
		Location : Basement							
Lighting									
	Interior Lighting								
	Fluorescent	20%			2033	\$9,100	10	\$1,000	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : T- 8 Lamps							
	LED	80%			2041	* *			
	Exterior Lighting								
	HID	30%			2028	\$7,300	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									
	Energy Source								
	Natural Gas	100%			2053	* *	1		
	Conversion Equipment								
	Hot Water Boiler	100%			2038	* *	1	\$2,700	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : One Unit								
	Distribution								
	Hot Wtr Piping/Pump	100%			2041	* *	4	\$400	
	Terminal Devices								
	Convactor/Radiator	100%			2038	* *	1	\$1,700	

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 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
Air Conditioning									
	Energy Source								
	Electricity	100%			2049	* *	1		
Conversion Equipment									
	Split Unit	10%			2033	\$12,400			
	Window/Wall Unit	70%	Now	\$2,800	2031	\$13,900	1		
Broken, Extent : Moderate, Area Affected : 15%									
Location : Bunker Room. Kitchen									
	No Component	20%							
Ventilation									
	Exhaust Fans								
	Interior	20%	Now	\$4,600	2043	* *	2		
Abandoned in Place, Extent : Moderate, Area Affected : 10%									
Location : Kitchen Exhaust Fan									
	No Component	80%							
Other Observation, Extent : N/A, Area Affected : 0%									
Location : Kitchen									
Explanation : Kitchen Exhaust And Fire Suppression									
Plumbing									
	H/C Water Piping								
	Galvanized Steel	100%			2031	\$66,800	1		
Water Heater With Tanks									
	Gas Fired	100%			2028	\$33,400	2		
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 : 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.
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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 248 (COMBINED FACILITY) 67TH PCT
Address : 2900 SNYDER AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.248 / 13138 **Yr Built/Renovated** : 1972 /
Area Sq Ft : 7,484 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-Nov-2021 **Landmark Status** : NONE
Areas Surveyed : Floors 1,2
Block : 5111 **Lot** : 24 **BIN** : 3117400

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture		\$65,200
Total		\$65,200
Importance Code A		\$65,200
Total		\$65,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$21,600			
Interior Architecture	\$12,800		\$400	\$100
Electrical	\$6,700			\$15,100
Mechanical	\$11,300	\$29,300	\$8,600	\$9,200
Site Pavements	\$20,500			
Total	\$72,900	\$29,300	\$9,000	\$24,400
Importance Code A	\$21,600			
Importance Code B	\$30,800	\$29,300	\$8,600	\$24,400
Importance Code C	\$20,500		\$400	
Total	\$72,900	\$29,300	\$9,000	\$24,400



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** 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%	4+	\$7,300	LIFE	**	5	\$4,600		
	Vegetation Growth, Extent : Moderate, Area Affected : 25%								
	Location : Rear Wall								
Metal Sect. OHD	6%	0-2	\$11,400	2046	**	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%			LIFE	**	5	\$65,200		
Windows									
Aluminum	100%			2055	**	5	\$700		
Parapets									
Cast in Place Concrete	25%	4+	\$800	LIFE	**	5	\$4,500		
	Vegetation Growth, Extent : Moderate, Area Affected : 25%								
	Location : Rear Parapet								
No Component	75%								
	Other Observation, Extent : N/A, Area Affected : 0%								
	Location : Upper Roof								
	Explanation : 3rd Floor Is Police Precinct Not Fire Department								
Roof									
Built-Up (BUR)	25%	Now	\$1,800	2038	**				
	Water Penetration, Extent : Moderate, Area Affected : 10%								
	Location : Rear Roof Into 1st Floor Bunk Room								
No Component	75%								
	Other Observation, Extent : N/A, Area Affected : 0%								
	Location : Upper Roof								
	Explanation : 3rd Floor Is Police Precinct Not Fire Department								
Soffits									
Cast in Place Concrete	100%			LIFE	**	5			
Interior									
Floors									
Cast in Place Concrete	35%	2-4	\$7,300	LIFE	**	5	\$9,600		
	Cracking/Crumbling, Extent : Light, Area Affected : 5%								
	Location : Apparatus Floor								
Panel/Paver: Cer/Brk	50%			2049	**	5	\$14,100		
Terrazzo	10%			LIFE	**	5	\$1,000		
Vinyl Tile	5%	Now	\$3,400	2038	**	3	\$200		
	Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
	Location : 1st Floor Watch Room								
Interior Walls									
Ceramic Tile	10%			2042	**	5	\$900		
Gypsum Board	5%			LIFE	**	5	\$300		
Plaster	45%			LIFE	**	5	\$1,200		
SGFT/Glazed Masonry	40%			LIFE	**				

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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. 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
Interior								
Ceilings								
AcousTileConcealSpLn	55%	2-4	\$2,200	2050	* *	5	\$4,300	
Broken/Missing Elements, Extent : Light, Area Affected : 2%								
Location : Throughout								
Exposed Struc: Concrete	40%			LIFE	* *	5	\$800	
Metal Panel	5%			LIFE	* *	5	\$800	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2053	* *			
Free Standing Walls								
Masonry: Brick	100%			2053	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2046	* *			
On-Site Walkways								
Asphalt	100%	Now	\$1,400	2042	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Parking/Driveway								
Asphalt	100%	Now	\$19,100	2036	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : Driveway								
Sinking/Subsiding, Extent : Moderate, Area Affected : 10%								
Location : Driveway								

Electrical		Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Under 600 Volts									
Raceway									
Conduit	100%			2033	\$36,000	1			
Panelboards									
Molded Case Bkrs	100%			2049	* *	5	\$200		
Wiring									
Thermoplastic	100%			2053	* *	1			

Lighting

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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. 248 (COMBINED FACILITY) 67TH PCT
Asset # : 13138

Electrical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lighting								
Interior Lighting								
Fluorescent	20%			2038	* *	10	\$1,400	
	Other Observation, Extent : N/A, Area Affected : 100%							
	Location : 1st Floor							
	Explanation : T-8 Lamps							
Fluorescent	10%	Now	\$6,300	2043	* *			
	Malfunctioning, Extent : Severe, Area Affected : 100%							
	Location : 1st Floor							
Fluorescent	5%			2028	\$3,200	10	\$300	
	Other Observation, Extent : N/A, Area Affected : 100%							
	Location : Kitchen							
	Explanation : T-12 Lamps							
LED	65%			2041	* *			
Egress Lighting								
Exit, LED	90%			2068	* *	1		
Exit, Service	10%	Now	\$300	2043	* *	1		
	Not Functioning, Extent : Severe, Area Affected : 100%							
	Location : 1st Floor							
Exterior Lighting								
HID	30%			2028	\$10,200	10		
No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Distribution								
	Hot Wtr Piping/Pump	100%			2041	* *	4	\$600	
	Terminal Devices								
	Convactor/Radiator	60%			2031	\$35,900	1	\$1,500	
	Unit Heater - Hot Water	30%			2038	* *			
	No Component	10%							
		Other Observation, Extent : Light, Area Affected : 0%							
		Location : Locker Room							
		Explanation : No Heating Device							
Air Conditioning									
	Energy Source								
	Electricity	100%			2041	* *	1		
	Conversion Equipment								
	Split Unit	20%			2038	* *			
	Window/Wall Unit	40%			2026	\$11,100	1		
	No Component	40%							
		Other Observation, Extent : Light, Area Affected : 0%							
		Location :							
		Explanation : No Air Conditioning In 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
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
Air Conditioning									
	Terminal Devices								
	Fan Coil - 2 Pipe	20%			2038	* *	1	\$500	
	No Component	80%							
Heat Rejection									
	Air Cooled Condenser Unit	20%			2038	* *	2	\$1,000	
	No Component	80%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	20%			LIFE	* *	2-5	\$800	
	No Component	80%							
	Other Observation, Extent : Light, Area Affected : 0%								
	Location :								
	Explanation : No Air Ventilation In Locker Room								
Exhaust Fans									
	Interior	20%			2038	* *	2		
	Roof	30%			2033	\$4,300	2	\$100	
	Wall Unit	10%			2028	\$300	2		
	No Component	40%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2043	* *	1		
Water Heater With Tanks									
	Electric	100%			2032	\$23,100	4		
Sanitary Piping									
	Cast Iron	30%	Now	\$2,800	LIFE	* *	1		
	Blockage /Clogged, Extent : Severe, Area Affected : 20%								
	Location : Apparatus Floor								
	Cast Iron	70%			LIFE	* *	1		
Storm Drain Piping									
	Cast Iron	100%			LIFE	* *	1		
Fixtures									
	Generic	100%							
	Obsolete Fixtures, Extent : Severe, Area Affected : 30%								
	Location : The Equipment In Kitchen								
	Other Observation, Extent : Moderate, Area Affected : 100%								
	Location : 1st Floor								
	Explanation : The Kitchen Need To Be Upgrade								
Fire Suppression									
	Chemical System								
	Generic	2%	Now	\$100	2032	\$500	1-3	\$2,100	
	Other Observation, Extent : Moderate, Area Affected : 100%								
	Location : Covers 30 Square Feet In Kitchen.								
	Explanation : 1 Old Set								
	Generic	98%			2032	\$23,400	1-3	\$109,400	

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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.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 249/LADDER CO. 113
Address : 491 ROGERS AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.249 / 13139 **Yr Built/Renovated** : 1896 / 2007
Area Sq Ft : 4,800 **Project Type** : FIRE DEPARTMENT
Date of Survey : 01-Mar-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5033 **Lot** : 4 **BIN** : 3114990

CAPITAL		FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture		\$78,500	
Interior Architecture		\$97,600	
Electrical			\$121,400
Mechanical			\$64,800
Total		\$176,200	\$186,200
Importance Code A		\$78,500	
Importance Code B			\$186,200
Importance Code C		\$97,600	
Total		\$176,200	\$186,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$21,400			\$100
Interior Architecture	\$70,200		\$600	\$700
Electrical	\$500	\$300	\$400	\$300
Mechanical	\$13,300	\$31,600	\$6,100	\$14,300
Site Enclosure				\$200
Total	\$105,300	\$31,900	\$7,200	\$15,600
Importance Code A	\$21,600	\$200	\$200	\$400
Importance Code B	\$82,100	\$31,600	\$6,700	\$15,000
Importance Code C	\$1,600		\$300	\$200
Total	\$105,300	\$31,900	\$7,200	\$15,600



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. 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 Building							
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Third Floor							
		Explanation : A Third Floor Was Added In 1998							
	Masonry: Brick	60%	Now	\$78,500	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 : Parged Section Of South Facade							
	Masonry: Limestone	10%			LIFE	**	5	\$1,200	
	Metal Sect. OHD	7%			2050	**	5	\$3,600	
	Slate Panels	3%	Now	\$11,100	LIFE	**	5	\$400	
		Cracking/Crumbling, Extent : Severe, Area Affected : 25%							
		Location : Base Of Front Facade							
Windows									
	Aluminum	100%	Now	\$900	2049	**	5	\$200	
		Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%							
		Location : 2nd Floor Office And Bunk Room							
Parapets									
	Cast Stone/Terra Cotta	10%			LIFE	**	5	\$500	
	Masonry: Brick	80%	Now	\$6,200	LIFE	**	5	\$500	
		Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%							
		Location : Throughout							
	Metal Panel	10%			2053	**	5	\$200	
Roof									
	Asphalt Shingle	10%			2042	**	10	\$100	
	Modified Bitumen	90%	4+	\$1,400	2038	**			
		Vegetation Growth, Extent : Light, Area Affected : 10%							
		Location : Throughout							
Interior									
	Floors								
	Cast in Place Concrete	45%			LIFE	**	5	\$6,900	
	Ceramic Tile	10%			2042	**	5	\$700	
	Quarry Tile	5%	2-4	\$25,300	2053	**	5	\$300	
		Worn/Eroded, Extent : Light, Area Affected : 100%							
		Location : Kitchen							
	Vinyl Tile	40%	Now	\$38,000	2038	**	3	\$1,100	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 25%							
		Location : 2nd And 3rd Floor							
		Worn/Eroded, Extent : Moderate, Area Affected : 50%							
		Location : 2nd And 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. 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%			2042	* *	5	\$500	
Concrete Masonry Unit	10%			LIFE	* *	5	\$200	
Gypsum Board	45%	Now	\$600	LIFE	* *	5	\$1,400	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : 2nd Floor Locker								
Masonry: Brick	20%	Now	\$97,600	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	\$900	LIFE	* *	5	\$200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Locker Room								
Ceilings								
AcousTileSusp.Lay-In	10%			2038	* *	5	\$700	
Embossed Metal	20%			LIFE	* *	5	\$600	
Exposed Struc: Steel	20%			LIFE	* *			
Plaster	50%	Now	\$5,200	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%			2038	* *	5-10	\$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Roof Level								
Explanation : Rail At Roof Level								
Chain Link	45%			2053	* *			
Iron Picket	5%			2068	* *			
Wood	45%			2034	\$20,100			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2050	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2046	* *			
Parking/Driveway								
Cast in Place Concrete	100%			2050	* *			

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

Under 600 Volts

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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%			2033	\$14,700	5		
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Basement							
		Explanation : 600 Amperes Rating							
	Switchgear / Switchboard								
	Fused Disc Sw	100%			2033	\$63,500	5		
	Raceway								
	Conduit	80%			2033	\$28,800	1		
	Conduit	20%			2053	* *	1		
	Panelboards								
	Molded Case Bkrs	80%			2032	\$38,800	5	\$100	
	Molded Case Bkrs	20%			2041	* *	5		
	Wiring								
	Thermoplastic	80%			2043	* *	1		
	Thermoplastic	20%			2033	\$6,500	1		
	Motor Controllers								
	Locally Mounted	100%			2031	\$17,800	5		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement Near Water Service.							
		Explanation : Recently Installed Ground For Main Service.							
Lighting									
	Interior Lighting								
	LED	100%			2033	\$57,900			
	Egress Lighting								
	Exit, LED	90%			2048	* *	1		
	Exit, Service	10%	Now	\$200	2043	* *	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								
	LED	20%			2041	* *			
	No Component	80%							
Alarm									
	Fire/Smoke Detection								
	Generic, Digital	100%			2033	\$12,100	1-3	\$3,000	

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									

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

Mechanical		Current Repair			Future 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%			2053	**	1		
	Conversion Equipment								
	Furnace	60%			2038	**	1	\$1,400	
		Other Observation, Extent : N/A, Area Affected : 60%							
		Location : Roof							
		Explanation : 3 Rooftop Package Units							
	Hot Water Boiler	40%			2046	**	1	\$1,000	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Unit							
	Distribution								
	Hot Wtr Piping/Pump	40%			2041	**	4	\$100	
	No Component	60%							
	Terminal Devices								
	Convactor/Radiator	20%			2038	**	1	\$300	
	Unit Heater - Hot Water	20%			2028	\$5,600			
	No Component	60%							
Air Conditioning									
	Energy Source								
	Electricity	100%			2041	**	1		
	Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	50%			2038	**	2	\$100	
		R-410a Refrigerant, Extent : Light, Area Affected : 100%							
		Location : 3 Rooftop Package Units, Roof							
	Window/Wall Unit	15%	0-2	\$1,300	2028	\$2,700	1		
		Other Observation, Extent : Moderate, Area Affected : 5%							
		Location : 2nd Floor Engine Office							
		Explanation : Wrong Size Unit							
	No Component	35%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	60%			LIFE	**	2-5	\$1,600	
	No Component	40%							
	Exhaust Fans								
	Roof	60%			2038	**	2	\$100	
	Wall Unit	10%			2028	\$200	2		
	No Component	30%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%	0-2	\$3,000	2043	**	1		
		Corroded, Extent : Moderate, Area Affected : 5%							
		Location : Water Main Valve, Basement							

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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
Plumbing									
	Water Heater With Tanks								
	Gas Fired	100%			2031	\$33,400	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon Units							
	Sanitary Piping								
	Cast Iron	100%	Now	\$3,000	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 10%							
		Location : Basement							
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%			2026	\$100	4	\$200	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Sprinkler								
	Generic	100%			2033	\$64,800	1-2	\$1,400	
	Chemical System								
	Wet	100%			2026	\$15,900	1-3	\$83,300	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Kitchen							
		Explanation : Covers 20 Square Feet							

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 250
Address : 126 FOSTER AVENUE
Borough : BROOKLYN
Program / Asset # : FIRSECO.250 / 13140
Area Sq Ft : 4,930
Date of Survey : 13-Jan-2022
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 6499 **Lot** : 11 **BIN** : 3170273
Agency's Number : N/A
Yr Built/Renovated : 1927 / 2012
Project Type : FIRE DEPARTMENT
Landmark Status : NONE

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$178,100	
Interior Architecture	\$742,800	\$64,500
Mechanical	\$466,600	
Total	\$1,387,500	\$64,500
Importance Code A	\$178,100	
Importance Code B	\$1,209,400	\$64,500
Total	\$1,387,500	\$64,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$22,700	\$2,000		\$400
Interior Architecture	\$36,800	\$600	\$200	\$300
Electrical		\$100		
Mechanical	\$13,500	\$28,600	\$6,200	\$59,400
Total	\$72,900	\$31,200	\$6,400	\$60,100
Importance Code A	\$23,200	\$2,500	\$500	\$900
Importance Code B	\$38,000	\$28,400	\$5,900	\$59,200
Importance Code C	\$11,700	\$300		
Total	\$72,900	\$31,200	\$6,400	\$60,100



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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%	Now	\$178,100	LIFE	* *	5	\$22,100	
	Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
	Location : Rear Facade								
	Paint Peeling, Extent : Moderate, Area Affected : 20%								
	Location : East And West Facade								
	Water Penetration, Extent : Moderate, Area Affected : 15%								
	Location : Rear Wall Above 2nd Floor Windows								
	Masonry: Granite	2%			LIFE	* *	5	\$400	
	Masonry: Limestone	5%			LIFE	* *	5	\$900	
	Metal Sect. OHD	5%			2046	* *	5	\$3,900	
Windows									
	Aluminum	100%	Now	\$8,600	2049	* *	5	\$900	
	Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%								
	Location : Kitchen And Dining Room								
Parapets									
	Masonry: Brick	87%	0-2	\$4,000	LIFE	* *	5	\$1,600	
	Paint Peeling, Extent : Light, Area Affected : 10%								
	Location : Throughout								
	Masonry: Limestone	3%			LIFE	* *	5	\$100	
	Caulking Deteriorated, Extent : Light, Area Affected : 10%								
	Location : Front Facade Coping								
	Metal Panel	10%			2053	* *	5	\$700	
Roof									
	Modified Bitumen	98%	Now	\$7,900	2038	* *			
	Blisters, Extent : Moderate, Area Affected : 10%								
	Location : Roof								
	Water Penetration, Extent : Moderate, Area Affected : 10%								
	Location : 2nd Floor Bunk Room And Front Office								
	Skylight, Metal/Glass	2%	Now	\$2,100	2043	* *			
	Water Penetration, Extent : Light, Area Affected : 5%								
	Location : 2nd Floor Bathroom								
Interior									
Floors									
	Cast in Place Concrete	55%	Now	\$218,300	LIFE	* *	5	\$9,600	
	Cracking/Crumbling, Extent : Light, Area Affected : 20%								
	Location : Basment And Apparatus Floor								
	Drains Inad/Misposn, Extent : Moderate, Area Affected : 10%								
	Location : Apparatus Floor								
	Ceramic Tile	5%			2042	* *	5	\$400	
	Quarry Tile	5%			2046	* *	5	\$600	
	Terrazzo	5%			LIFE	* *	5	\$300	
	Vinyl Tile	30%	Now	\$12,900	2033	\$64,500	3	\$900	
	Patching Evident, Extent : Moderate, Area Affected : 15%								
	Location : 2nd Floor								

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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**

Architecture		Current 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%			2036	**	5	\$500
Gypsum Board	10%			LIFE	**	5	\$700
Masonry: Brick	15%			LIFE	**		
Marble Panels	5%			LIFE	**		
Plaster	45%	Now	\$11,700	LIFE	**	5	\$1,500

*Cracking/Crumbling, Extent : Moderate, Area Affected : 10%**Location : Various Locations 2nd Floor**Water Penetration, Extent : Moderate, Area Affected : 5%**Location : 2nd Floor Front Office And Rear Bunk*

SGFT/Glazed Masonry	20%			LIFE	**		
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Ceilings

AcousTileSusp.Lay-In	5%	4+	\$300	2038	**	5	\$200
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*Staining/Discoloring, Extent : Light, Area Affected : 5%**Location : Kitchen And Dining Room*

Exposed Struc: Concrete	45%	Now	\$524,500	LIFE	**	5	\$600
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*Other Observation, Extent : Severe, Area Affected : 100%**Location : Basement**Explanation : Apparatus Floor Supported By Lolly Columns*

Plaster	50%	Now	\$11,800	LIFE	**	5	\$2,500
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 10%**Location : 2nd Floor, Roof Access**Water Penetration, Extent : Moderate, Area Affected : 5%**Location : 2nd Floor Bunkroom***Site Enclosure****Fence/Gates**

Chain Link	100%			2053	**		
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Site Pavements**Public Sidewalk**

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

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

Cast in Place Concrete	100%			2046	**		
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Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts**Service Equipment**

Fused Disc Sw	100%			2033		\$14,700	5		
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : Main Service Disconnect Switch Rated At 200 Amperes.***Raceway**

Conduit	100%			2033		\$36,000	1		
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FIRE DEPARTMENT - 057
ENGINE CO. 250
Asset # : 13140

Electrical		Current Repair		Future Replacement		Maintenance			
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%			2032	\$4,800	5		
	Molded Case Bkrs	90%			2041	* *	5	\$100	
Wiring									
	Thermoplastic	100%			2043	* *	1		
Ground									
Grounding Devices									
	Generic	100%			LIFE	* *	5	\$100	
Lighting									
Interior Lighting									
	Fluorescent	30%			2033	\$12,500	10	\$1,400	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Basement									
Explanation : T-8 Lamps									
	LED	70%			2038	* *			
Exterior Lighting									
	HID	20%			2033	\$4,500	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%			2053	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2046	* *	1	\$4,900	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Unit							
	Distribution								
	Steam Piping/Pump	100%			2043	* *			
	Terminal Devices								
	Convactor/Radiator	85%			2031	\$33,500	1	\$1,400	
	Fan Coil Unit/Heat	15%			2028	\$17,900	1	\$200	
Air Conditioning									
	Energy Source								
	Electricity	100%			2041	* *	1		
	Conversion Equipment								
	Window/Wall Unit	50%	0-2	\$3,600	2028	\$9,100	1		
		On Extended Life, Extent : Moderate, Area Affected : 20%							
		Location : Various Locations							
	No Component	50%							
Ventilation									

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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
Ventilation									
Distribution									
	Ductwork/Diffusers	10%			LIFE	**	2-5	\$300	
	No Component	90%							
Exhaust Fans									
	Roof	10%		2033	\$900	2			
	Wall Unit	20%		2028	\$400	2			
	No Component	70%							
Plumbing									
H/C Water Piping									
	Brass/Copper	50%	0-2	\$600	2043	**	1		
		Not Insulated, Extent : Moderate, Area Affected : 10%							
		Location : Basement							
	Brass/Copper	50%			2043	**	1		
Water Heater With Tanks									
	Gas Fired	50%			2028	\$25,000	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : One 75 Gallon Unit							
	Solar	50%			2028	\$466,600	1		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : One 150 Gallon Unit							
Sanitary Piping									
	Cast Iron	100%	0-2	\$1,200	LIFE	**	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 10%							
		Location : Basement							
Storm Drain Piping									
	Cast Iron	10%	0-2	\$1,000	LIFE	**	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 10%							
		Location : 1st Floor							
	Cast Iron	90%			LIFE	**	1		
Sump Pump(s)									
	Submersible	100%	0-2	\$800	2028	\$800	4	\$100	
		On Extended Life, Extent : Severe, Area Affected : 100%							
		Location : Basement							
Fixtures									
	Generic	100%							
Fire Suppression									
Chemical System									
	Generic	100%			2026	\$15,900	1-3	\$74,400	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Kitchen							
		Explanation : 1 Set Covers 20 Square Feet							

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

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

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 251
Address : 254-20 UNION TURNPIKE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.251 / 13141 **Yr Built/Renovated** : 1952 / 2001
Area Sq Ft : 6,373 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Mar-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 8691 **Lot** : 13 **BIN** : 4177508

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$361,700	\$98,300
Interior Architecture	\$179,700	\$141,500
Mechanical		\$25,400
Total	\$541,400	\$265,300
Importance Code A	\$361,700	\$98,300
Importance Code B	\$104,700	\$167,000
Importance Code C	\$75,000	
Total	\$541,400	\$265,300

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$68,200	\$6,600		
Interior Architecture	\$53,200		\$200	\$700
Electrical	\$19,300	\$600	\$500	\$500
Mechanical	\$15,400	\$17,800	\$900	\$900
Site Enclosure	\$20,600			
Site Pavements	\$12,500			
Total	\$189,300	\$25,000	\$1,700	\$2,000
Importance Code A	\$68,900	\$7,200	\$600	\$600
Importance Code B	\$72,300	\$17,700	\$1,000	\$1,400
Importance Code C	\$48,100			
Total	\$189,300	\$25,000	\$1,700	\$2,000



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

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

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

FIRE DEPARTMENT - 057**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	\$300,500	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	\$14,000	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	\$4,000	2047	* *	5	\$900	
		Glazing Broken/Cracked, Extent : Moderate, Area Affected : 5% Location : Apparatus Floor							
Parapets									
	Masonry: Brick	90%	Now	\$61,200	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	\$2,200	LIFE	* *	5	\$1,700	
		Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30% Location : Throughout At Coping Joints							
Roof									
	Modified Bitumen	95%	Now	\$39,300	2031	\$98,300			
		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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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 251
Asset # : 13141

Architecture		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Soffits								
Pre-Cast Concrete	100%	2-4	\$8,700	LIFE	* *	5	\$800	
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+	\$4,800	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	\$2,600	2034	\$26,300	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+	\$1,000	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+	\$7,100	2031	\$141,500	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+	\$10,600	LIFE		* *		
	Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
	Location : Basement								
	Water Penetration, Extent : Moderate, Area Affected : 5%								
	Location : Basement								
	Ceramic Tile	5%			2034	\$38,300	5	\$700	
	Gypsum Board	10%			LIFE	* *	5	\$900	
	Plaster	15%	Now	\$10,200	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	\$75,000	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 Struc: Concrete	30%	Now	\$104,700	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	\$1,200	
	Plaster	60%	Now	\$17,000	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+	\$20,600	2061		* *		
	Corrosion/Rusting, Extent : Moderate, Area Affected : 100%								
	Location : Rear Yard								
	Metal Panel	20%			LIFE		* *		
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	\$3,800	2044	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Curb Cut</i>								

On-Site Walkways

Asphalt	50%			2040	**			
Cast in Place Concrete	50%			2044	**			

Parking/Driveway

Cast in Place Concrete	100%	Now	\$6,800	2036	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Apron And Driveway</i>								

Activity Yard

Cast in Place Concrete	100%	4+	\$1,900	2044	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>								
<i>Location : Rear Yard</i>								

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

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2051	**		5	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes</i>								

Switchgear / Switchboard

Molded Case Bkrs	100%			2051	**		5	\$200
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Raceway

Conduit	80%			2031		\$28,800	1	
Conduit	20%			2051	**		1	

Panelboards

Molded Case Bkrs	50%			2030		\$24,200	5	\$100
Molded Case Bkrs	50%			2047	**		5	\$100

Wiring

Braided Cloth	50%	2-4	\$16,300	2056	**		1	
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : 1st Floor</i>								

Thermoplastic	50%			2051	**		1	
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Ground

Grounding Devices

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

Transfer Switches

Automatic	100%			2044	**		1	\$2,000
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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

FIRE DEPARTMENT - 057
ENGINE CO. 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	\$2,400	5	\$200	
Fuel Storage									
	Main Tank	100%			2059	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Side Yard									
Explanation : 125 Gallons Rated Capacity									
Lighting									
Interior Lighting									
	Fluorescent	30%			2031	\$16,200	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	\$1,200	10		
Other Observation, Extent : N/A, 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	\$2,300	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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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 251
Asset # : 13141

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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	\$1,000	2041	* *			
		Corroded, Extent : Moderate, Area Affected : 20%							
		Location : Basement And 1st Floor							
Terminal Devices									
	Convactor/Radiator	50%			2029	\$25,400	1	\$1,000	
	Convactor/Radiator	50%			2044	* *	1	\$1,000	
Air Conditioning									
	Energy Source								
	Electricity	100%			2039	* *	1		
	Conversion Equipment								
	Window/Wall Unit	50%			2025	\$11,800	1		
	No Component	50%							
Ventilation									
	Exhaust Fans								
	Interior	5%	0-2	\$300	2031	\$1,400	2		
		Not in Service, Extent : Moderate, Area Affected : 30%							
		Location : 2nd Floor Bathroom							
	Wall Unit	30%			2031	\$800	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 With Tanks								
	Gas Fired	100%			2026	\$16,700	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 74 Gallon							
Sanitary Piping									
	Cast Iron	30%	0-2	\$1,200	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%			2025	\$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	\$200	1-3	\$700	

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 253
Address : 2429 86th STREET
Borough : BROOKLYN
Program / Asset # : FIRSECO.253 / 13143
Area Sq Ft : 5,776
Date of Survey : 04-Nov-2021
Areas Surveyed : Basement, Floors 1,2,Att
Block : 6859 **Lot** : 65 **BIN** : 3185380
Agency's Number : N/A
Yr Built/Renovated : 1895 / 2006
Project Type : FIRE DEPARTMENT
Landmark Status : EXTERIOR LANDMARK

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$124,200	
Total	\$124,200	
Importance Code A	\$124,200	
Total	\$124,200	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$18,800			\$7,700
Interior Architecture	\$49,900	\$200	\$400	\$2,300
Electrical	\$400	\$400	\$400	\$3,200
Mechanical	\$12,000	\$4,900	\$4,900	\$25,400
Site Pavements	\$8,800			
Total	\$89,900	\$5,500	\$5,700	\$38,600
Importance Code A	\$19,400	\$600	\$600	\$8,200
Importance Code B	\$61,700	\$4,700	\$5,100	\$30,400
Importance Code C	\$8,800	\$200		
Total	\$89,900	\$5,500	\$5,700	\$38,600



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

FIRE DEPARTMENT - 057
ENGINE CO. 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	\$124,200	LIFE	**	5	\$14,100	
	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	\$14,600	LIFE	**	5	\$700	
	Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
	Location : Front Facade								
	Diagonal Cracks, Extent : Moderate, Area Affected : 10%								
	Location : Above Apparatus Door								
	Metal Coiling Doors	15%			2050	**	5	\$8,500	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Front Elevation								
	Explanation : New Fiberglass Overhead Door								
Windows									
	Wood	100%			2049	**	5	\$9,900	
Parapets									
	Cast Stone/Terra Cotta	40%			LIFE	**	5	\$1,900	
	Metal Panel	60%			2053	**	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%			2042	**	10	\$1,200	
	Copper/Terne	20%			2068	**	10	\$5,400	
	Other Observation, Extent : N/A, Area Affected : 20%								
	Location : Front Elevation								
	Explanation : Decorative Copper Roof That Resembles Tile Roofing								
	Modified Bitumen	15%			2038	**	10	\$1,600	
Interior									
Floors									
	Cast in Place Concrete	60%			LIFE	**	5	\$10,800	
	Ceramic Tile	10%			2042	**	5	\$800	
	Wood	30%			2068	**	5	\$4,600	
	Recent Installation, Extent : N/A, Area Affected : 100%								
	Location : 2nd Floor								
Interior Walls									
	Cast in Place Concrete	10%			LIFE	**			
	Ceramic Tile	5%			2046	**	5	\$500	
	Concrete Masonry Unit	15%			LIFE	**	5	\$600	
	Gypsum Board	10%			LIFE	**	5	\$600	
	Masonry: Brick	10%			LIFE	**			
	Plaster	35%			LIFE	**	5	\$1,000	
	Wood	15%			LIFE	**	5	\$5,700	

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Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
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

Ceilings

AcousTileSusp.Lay-In	5%			2050	**	5	\$400	
Embossed Metal	30%	Now	\$7,000	LIFE	**	5	\$1,100	

Deformed/Dented, Extent : Light, Area Affected : 10%

Location : Throughout

Exposed Struc: Concrete	30%	Now	\$39,600	LIFE	**	5	\$400	
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Cracking/Crumbling, Extent : Light, Area Affected : 20%

Location : Throughout

Gypsum Board	10%	Now	\$3,100	LIFE	**	5	\$1,000	
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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%			2043	**			
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Site Pavements

Public Sidewalk

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

Cast in Place Concrete	100%	Now	\$8,800	2046	**			
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Cracking/Crumbling, Extent : Light, Area Affected : 25%

Location : Side Yards

Parking/Driveway

Cast in Place Concrete	100%			2050	**			
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Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2063	**	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : One 400 Ampere Main Disconnect Switch

Raceway

Conduit	100%			2063	**	1		
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Panelboards

Fused Disc Sw	5%			2058	**	5		
Molded Case Bkrs	95%			2058	**	5	\$100	

Wiring

Thermoplastic	100%			2063	**	1		
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Motor Controllers

Locally Mounted	100%			2053	**	5		
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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.

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

FIRE DEPARTMENT - 057
ENGINE CO. 253
Asset # : 13143

Electrical		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%			2053	* *	1	\$1,800	
	Generators								
	Diesel	100%			2048	* *	1	\$2,200	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : One 60 Kilowatts								
	Batteries								
	Lead/Acid	100%			2028	\$2,600	5	\$200	
	Fuel Storage								
	Day Tank	50%			2058	* *	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Generator Room Basement								
	Explanation : One 75 Gallons								
	Main Tank	50%			2073	* *	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : One 500 Gallons								
Lighting									
	Interior Lighting								
	LED	100%			2043	* *			
	Egress Lighting								
	Emergency, Service	60%			2043	* *	1		
	Exit, Service	40%			2043	* *	1		
	Exterior Lighting								
	LED	20%			2043	* *			
	No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Energy Source								
	Natural Gas	100%			2063	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2053	* *	1	\$5,700	
	Recent Installation, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : 1 Unit								
Distribution									
	Steam Piping/Pump	100%			2063	* *			

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 253
Asset # : 13143

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Terminal Devices								
	Convactor/Radiator	100%			2053	**	1	\$1,900	
Air Conditioning									
	Energy Source								
	Electricity	100%			2058	**	1		
	Conversion Equipment								
	Split Unit	10%			2043	**			
	Window/Wall Unit	50%			2033	\$11,700	1		
	No Component	40%							
	Terminal Devices								
	No Component	90%							
	No Component	10%							
Ventilation									
	Exhaust Fans								
	Wall Unit	25%			2043	**	2		
	No Component	75%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2063	**	1		
	Recent Installation, Extent : N/A, Area Affected : 100%								
	Location : Throughout								
	Water Heater With Tanks								
	Gas Fired	100%			2033	\$36,600	2		
	Other Observation, Extent : N/A, 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%			2028	\$200	4	\$100	
	Recent Replace Evident, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Backflow Preventer								
	No Component	95%							
	Generic	5%			2043	**	1		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : For Boiler Feed Only								
	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. 253****Asset # : 13143**

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

Fire Suppression

Chemical System

Wet

100%

2028

\$13,100

1-3

\$69,700

*Other Observation, Extent : Light, Area Affected : 5%**Location : Kitchen, Covers 15 Square Feet**Explanation : Kitchen Fire Suppression System*

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

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

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 254/LADDER CO. 153
Address : 901 AVENUE U @ E. 9TH ST.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.254 / 13144 **Yr Built/Renovated** : 1924 /
Area Sq Ft : 5,376 **Project Type** : FIRE DEPARTMENT
Date of Survey : 18-Nov-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 7112 **Lot** : 49 **BIN** : 3192210

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$57,800	
Interior Architecture	\$123,400	
Electrical		\$63,500
Total	\$181,200	\$63,500
Importance Code A	\$57,800	
Importance Code B	\$123,400	\$63,500
Total	\$181,200	\$63,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$5,300			\$3,000
Interior Architecture	\$80,700	\$1,200		\$400
Electrical	\$200	\$200	\$300	\$1,300
Mechanical	\$40,100	\$35,600	\$7,700	\$16,300
Site Enclosure				
Site Pavements	\$20,200			
Total	\$146,500	\$37,000	\$8,000	\$20,900
Importance Code A	\$5,800	\$500	\$500	\$3,500
Importance Code B	\$132,400	\$36,500	\$7,500	\$17,400
Importance Code C	\$8,300			
Total	\$146,500	\$37,000	\$8,000	\$20,900



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. 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%	0-2	\$57,800	LIFE	**	5	\$14,400	
	Paint Peeling, Extent : Light, Area Affected : 50%								
	Location : Rear Elevation								
	Worn/Eroded, Extent : Moderate, Area Affected : 20%								
	Location : Chimney								
	Masonry: Granite	5%			LIFE	**	5	\$600	
	Masonry: Limestone	5%	Now	\$4,900	LIFE	**	5	\$600	
	Cracking/Crumbling, Extent : Light, Area Affected : 5%								
	Location : Throughout								
	Wood Overhead Doors	5%			2038	**	5	\$4,200	
Windows									
	Aluminum	98%			2058	**	5	\$1,700	
	Metal Louvers	2%	Now	\$400	2042	**			
	Deformed/Dented, Extent : Light, Area Affected : 25%								
	Location : Louver								
Parapets									
	Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,500	
	Masonry: Brick	80%			LIFE	**	5	\$1,600	
	Masonry: Limestone	10%			LIFE	**	5	\$300	
Roof									
	Asphalt Shingle	10%			2042	**	10	\$100	
	Modified Bitumen	90%			2041	**	10	\$7,100	
Soffits									
	Exposed Struc: Wood	100%			LIFE	**			
Interior									
Floors									
	Cast in Place Concrete	50%	2-4	\$33,400	LIFE	**	5	\$8,800	
	Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
	Location : Basement And Apparatus Floor								
	Ceramic Tile	10%	Now	\$4,400	2036	**	5	\$400	
	Cracking/Crumbling, Extent : Light, Area Affected : 20%								
	Location : Kitchen								
	Terrazzo	2%			LIFE	**	5	\$100	
	Vinyl Tile	28%	0-2	\$60,700	2043	**	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%	Now	\$62,700	2043	**	3	\$300	
	Worn/Eroded, Extent : Moderate, 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. 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									
Interior Walls									
	Cast in Place Concrete	20%			LIFE	* *			
	Ceramic Tile	5%	0-2	\$1,500	2036	* *	5	\$300	
	Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
	Location : 2nd Floor Bathroom								
	Gypsum Board	10%			LIFE	* *	5	\$700	
	Masonry: Brick	20%			LIFE	* *			
	Plaster	25%	Now	\$6,800	LIFE	* *	5	\$900	
	Water Penetration, Extent : Severe, Area Affected : 15%								
	Location : 2nd Floor Bunk Room								
	SGFT/Glazed Masonry	15%			LIFE	* *			
	Wood	5%			LIFE	* *	5	\$2,300	
Ceilings									
	AcousTileSusp.Lay-In	30%			2046	* *	5	\$2,400	
	Embossed Metal	10%	Now	\$2,300	LIFE	* *	5	\$400	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Kitchen								
	Explanation : Metal Lay In Ceiling Tile								
	Exposed Struc: Concrete	25%	Now	\$28,800	LIFE	* *	5	\$300	
	Cracking/Crumbling, Extent : Light, Area Affected : 5%								
	Location : Basement								
	Gypsum Board	5%			LIFE	* *	5	\$500	
	Plaster	30%	Now	\$3,500	LIFE	* *	5	\$1,500	
	Cracking/Crumbling, Extent : Light, Area Affected : 5%								
	Location : 2nd Floor								
	Water Penetration, Extent : Moderate, Area Affected : 5%								
	Location : 2nd Floor Bunk Room								
Site Enclosure									
	Fence/Gates								
	Wood	100%			2034			\$2,700	
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%	Now	\$20,200	2046	* *			
	Cracking/Crumbling, Extent : Light, Area Affected : 10%								
	Location : West Side Of The Building								
	On-Site Walkways								
	Cast in Place Concrete	100%			2038	* *			
	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

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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
Under 600 Volts									
	Service Equipment								
	Fused Disc Sw	100%			2033	\$14,700	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Main Service Disconnect Switch Rated At 200 Amperes.							
	Switchgear / Switchboard								
	Molded Case Bkrs	100%			2033	\$63,500	5	\$100	
	Raceway								
	Conduit	80%			2033	\$28,800	1		
	Conduit	20%			2053	* *	1		
	Panelboards								
	Molded Case Bkrs	80%			2032	\$38,800	5	\$100	
	Molded Case Bkrs	20%			2049	* *	5		
	Wiring								
	Thermoplastic	80%			2033	\$26,000	1		
	Thermoplastic	20%			2053	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2031	\$17,800	5		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Lighting									
	Interior Lighting								
	Fluorescent	20%			2038	* *	10	\$1,000	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : T-8 Lamps							
	LED	80%			2038	* *			
	Exterior Lighting								
	LED	30%			2041	* *			
	No Component	70%							
Alarm									
	Security System								
	Generic	100%			2033	\$9,900	1	\$2,000	
		Other Observation, Extent : N/A, 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%			2053	* *	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. 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
Heating									
	Conversion Equipment Steam Boiler	100%			2046	* *	1	\$5,300	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : One Natural Gas Fired Steam Boiler							
	Distribution Steam Piping/Pump	100%			2043	* *			
	Terminal Devices Convactor/Radiator	100%			2031	\$42,900	1	\$1,700	
Air Conditioning									
	Energy Source Electricity	100%			2041	* *	1		
	Conversion Equipment Exterior Pkg Unit - Cooling	40%	0-2	\$23,000	2043	* *	2	\$100	
		R-22 Refrigerant, Extent : Light, Area Affected : 100%							
		Location : 1 Unit On Roof							
		Unit Inoperable, Extent : Moderate, Area Affected : 100%							
		Location : Roof							
	Window/Wall Unit	30%			2028	\$6,000	1		
	Window/Wall Unit	30%	0-2	\$6,000	2033	\$6,000	1		
		On Extended Life, Extent : Moderate, Area Affected : 100%							
		Location : Inefficient Units, Various Locations.							
Ventilation									
	Distribution Ductwork/Diffusers	30%			LIFE	* *	2-5	\$900	
	No Component	70%							
	Exhaust Fans Roof	20%			2028	\$2,000	2		
	Wall Unit	30%			2028	\$700	2	\$100	
	No Component	50%							
		Other Observation, Extent : N/A, Area Affected : 0%							
		Location :							
		Explanation : There Is No Exhaust Fan For 2nd Floor Bathroom							
Plumbing									
	H/C Water Piping Brass/Copper	100%			2043	* *	1		
	Water Heater With Tanks Gas Fired	100%			2031	\$33,400	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 74 Gallon Units							
	Sanitary Piping Cast Iron	100%	0-2	\$3,300	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 10%							
		Location : Front Entrance Of Apparatus Floor							

*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. 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									
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%			2025	\$200	4	\$200	
	Fixtures								
	Generic	100%							
			Leaking Connections, Extent : Moderate, Area Affected : 10%						
			Location : Sink In 2nd Floor Bathroom						
Fire Suppression									
	Chemical System								
	Generic	100%			2026	\$19,900	1-3	\$93,000	
			Other Observation, Extent : N/A, Area Affected : 100%						
			Location : Covers 25 Square Feet In 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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 255/ LADDER 157
Address : 1367 ROGERS AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.255 / 13145 **Yr Built/Renovated** : 1897 / 2000
Area Sq Ft : 8,453 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Dec-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5229 **Lot** : 9 **BIN** : 3120929

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$70,000	\$134,100
Interior Architecture	\$59,300	
Mechanical		\$133,600
Total	\$129,300	\$267,700
Importance Code A	\$70,000	\$134,100
Importance Code B	\$59,300	\$133,600
Total	\$129,300	\$267,700

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$37,400			
Interior Architecture	\$47,500	\$200		\$500
Electrical			\$100	\$100
Mechanical	\$29,100	\$45,700	\$6,800	\$14,400
Site Pavements	\$2,600			
Total	\$116,700	\$45,900	\$6,800	\$15,000
Importance Code A	\$38,300	\$800	\$800	\$900
Importance Code B	\$73,900	\$45,100	\$6,000	\$14,200
Importance Code C	\$4,600			
Total	\$116,700	\$45,900	\$6,800	\$15,000



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. 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	\$70,000	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+	\$8,200	2031	\$82,300	5	\$3,600	
	Deformed/Dented, Extent : Moderate, Area Affected : 10%								
	Location : Lower Interior Sections								
	Wood Overhead Doors	5%	Now	\$3,300	2038	**	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								
Windows									
	Aluminum	100%	Now	\$19,600	2041	**	5	\$700	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
	Location : Southside 1st And 2nd Floors								
	Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%								
	Location : Throughout								
	Glazing Broken/Cracked, Extent : Moderate, Area Affected : 10%								
	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	\$1,200	2036	**			
	Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
	Location : Throughout								
	Water Penetration, Extent : Moderate, Area Affected : 5%								
	Location : Throughout								
	Built-Up (BUR)	50%	Now	\$5,200	2033	\$51,800			
	Water Penetration, Extent : Moderate, Area Affected : 5%								
	Location : Around Drains								

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. 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	\$700	2042	**	5	\$300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Basement Showers								
Quarry Tile	5%	0-2	\$900	2046	**	5	\$500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Door Way Edges								
Vinyl Tile	10%			2038	**	3	\$500	
Vinyl Tile 9" X 9"	30%	Now	\$59,300	2043	**	3	\$1,400	
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Throughout								
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor								
Interior Walls								
Ceramic Tile	5%	0-2	\$1,800	2042	**	5	\$300	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Kitchen And Toilets Throughout								
Gypsum Board	5%	0-2	\$200	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%			LIFE	**	5	\$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.
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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 \$200 2038 * * 5 \$300

Broken/Missing Elements, Extent : Light, Area Affected : 5%

Location : Throughout

Staining/Discoloring, Extent : Light, Area Affected : 10%

Location : 2nd Floor

Embossed Metal 55% Now \$40,900 LIFE * * 5 \$3,100

Broken/Missing Elements, Extent : Moderate, Area Affected : 10%

Location : Apparatus Floor Ceiling

Deformed/Dented, Extent : Moderate, Area Affected : 5%

Location : Apparatus Floor Ceiling

Paint Peeling, Extent : Light, Area Affected : 75%

Location : Apparatus Floor Ceiling

Exposed Struc: Steel 25% LIFE * *
 Plaster 15% 4+ \$2,800 LIFE * * 5 \$1,200

Paint Peeling, Extent : Light, Area Affected : 20%

Location : Throughout

Site Pavements

Public Sidewalk

Cast in Place Concrete 100% 2038 * *

On-Site Walkways

Cast in Place Concrete 100% Now \$200 2038 * *

Cracking/Crumbling, Extent : Moderate, Area Affected : 5%

Location : Southside

Ponding, Extent : Moderate, Area Affected : 5%

Location : Southside

Sinking/Subsiding, Extent : Moderate, Area Affected : 5%

Location : Southside

Parking/Driveway

Cast in Place Concrete 100% Now \$2,400 2038 * *

Cracking/Crumbling, Extent : Moderate, Area Affected : 10%

Location : Front 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% 2053 * * 5

Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : Main Service Disconnect Switch Rated At 400 Amperes.

Switchgear / Switchboard

Molded Case Bkrs 100% 2053 * * 5 \$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. 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%			2033	\$28,800	1		
	Conduit	20%			2053	* *	1		
Panelboards									
	Fused Disc Sw	5%			2032	\$2,400	5		
	Molded Case Bkrs	30%			2049	* *	5	\$100	
	Molded Case Bkrs	65%			2032	\$31,500	5	\$100	
Wiring									
	Thermoplastic	70%			2033	\$22,800	1		
	Thermoplastic	30%			2053	* *	1		
Motor Controllers									
	Locally Mounted	100%			2031	\$17,800	5	\$100	
Ground									
Grounding Devices									
	Generic	100%			LIFE	* *	5	\$100	
Lighting									
Interior Lighting									
	LED	100%			2041	* *			
Exterior Lighting									
	LED	30%			2041	* *			
	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%			2043	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2038	* *	1	\$8,400	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Explanation : 1 Unit								
	Distribution								
	Steam Piping/Pump	100%			2033	\$66,100			
	Terminal Devices								
	Convactor/Radiator	100%			2031	\$67,500	1	\$2,700	
Air Conditioning									
	Energy Source								
	Electricity	100%			2041	* *	1		

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** 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
Air Conditioning									
	Conversion Equipment								
	Window/Wall Unit	25%			2028	\$7,800	1		
	Window/Wall Unit	75%	0-2	\$14,100	2032	\$23,500	1		
		Not Energy Efficient, Extent : Moderate, Area Affected : 100%							
		Location : Various Locations							
		Obsolete Equipment, Extent : Moderate, Area Affected : 100%							
		Location : Various Locations							
Ventilation									
	Distribution								
	Ductwork/Diffusers	20%			LIFE	* *	2-5	\$900	
	No Component	80%							
Exhaust Fans									
	Interior	15%	Now	\$5,500	2043	* *	2		
		Not in Service, Extent : Severe, Area Affected : 100%							
		Location : All The Bathrooms							
	Wall Unit	25%	0-2	\$900	2043	* *	2	\$100	
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Apparatus Floor.							
		Explanation : 1 Extended Life Time Unit For Apparatus Floor							
	No Component	60%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2043	* *	1		
Water Heater With Tanks									
	Gas Fired	100%			2026	\$16,700	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Only One 75 Gallon Unit							
Sanitary Piping									
	Cast Iron	100%	0-2	\$2,100	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 10%							
		Location : Alley, Basement And Apparatus Floor.							
Storm Drain Piping									
	Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)									
	Not Accessible	100%							
Fixtures									
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2026	\$15,900	1-3	\$74,400	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Kitchen							
		Explanation : 1 Set, Covers 20 Square Feet In Kitchen							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 257/LADDER 170 / BATTALION 58
Address : 1361 ROCKAWAY PARKWAY
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.257 / 13146 **Yr Built/Renovated** : 1907 / 2010
Area Sq Ft : 8,142 **Project Type** : FIRE DEPARTMENT
Date of Survey : 18-Jan-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 8166 **Lot** : 33 **BIN** : 3229407

CAPITAL	FY 2025 - 2028		FY 2029 - 2034	
Exterior Architecture	\$271,600			
Interior Architecture	\$588,100			
Electrical			\$63,500	
Mechanical			\$58,500	
Site Pavements	\$55,900			
Total	\$915,700		\$122,000	
Importance Code A	\$271,600			
Importance Code B	\$588,100		\$122,000	
Importance Code C	\$55,900			
Total	\$915,700		\$122,000	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$35,300	\$9,600		\$12,200
Interior Architecture	\$92,800			\$800
Electrical	\$600	\$600	\$3,100	\$700
Mechanical	\$57,100	\$14,800	\$15,000	\$108,500
Total	\$185,800	\$25,000	\$18,100	\$122,200
Importance Code A	\$36,100	\$10,400	\$800	\$13,000
Importance Code B	\$82,200	\$14,600	\$17,300	\$109,200
Importance Code C	\$67,500			
Total	\$185,800	\$25,000	\$18,100	\$122,200



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 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%	0-2	\$179,800	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%			2046	**	5	\$4,000	
	Stucco Cement	3%	0-2	\$2,100	2046	**	5	\$1,000	
		Cracking/Crumbling, Extent : Light, Area Affected : 15%							
		Location : Front Facade							
Windows									
	Aluminum	70%	Now	\$91,900	2058	**	5	\$1,000	
		Air Infiltration, Extent : Moderate, Area Affected : 25%							
		Location : Throughout							
		Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%							
		Location : Throughout							
		Unit Inoperable, Extent : Moderate, Area Affected : 35%							
		Location : Throughout							
		Worn/Eroded, Extent : Severe, Area Affected : 100%							
		Location : Throughout							
	Wood	30%	Now	\$33,200	2058	**	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%			LIFE	**	5	\$600	
	Metal Rail	30%			2046	**	5-10	\$11,600	
	Stucco Cement	20%			2046	**	5	\$1,100	
Roof									
	Modified Bitumen	100%			2038	**	10	\$12,200	

Interior

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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	\$141,400	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 : N/A, Area Affected : 50%								
Location : Apparatus Floor								
Explanation : Temporary Shoring In Basement								
Ceramic Tile	5%	Now	\$10,400	2042	* *	5	\$300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Officers Bathrooms								
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Officers Bathrooms								
Vinyl Tile	50%	Now	\$170,100	2043	* *	3	\$2,400	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Second Floor Throughout								
Loose/Delam Surface, Extent : Moderate, Area Affected : 10%								
Location : Second Floor Throughout								
Patching Evident, Extent : Light, Area Affected : 15%								
Location : Second Floor Throughout								
Worn/Eroded, Extent : Moderate, Area Affected : 75%								
Location : Throughout, Engine Office								
Interior Walls								
Ceramic Tile	35%	Now	\$32,600	2036	* *	5	\$3,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Truck Bays And Officers Bathrooms								
Masonry: Brick	35%	0-2	\$22,600	LIFE	* *			
Spalling, Extent : Moderate, Area Affected : 5%								
Location : Basement Front Wall								
Plaster	30%	Now	\$12,400	LIFE	* *	5	\$1,600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Throughout Second Floor								

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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

Ceilings

AcousTileSusp.Lay-In 10% Now \$10,200 2038 * * 5 \$600

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

Embossed Metal 35% LIFE * * 5 \$2,000

Exposed Struc: Concrete 30% Now \$276,700 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

Water Penetration, Extent : Moderate, Area Affected : 5%

Location : At Sidewalk Hatch

Other Observation, Extent : Severe, Area Affected : 60%

Location : Basement

Explanation : Temporary Supports Under Apparatus Floor

Plaster 25% Now \$4,700 LIFE * * 5 \$2,000

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

Location : Throughout Second Floor

Site Enclosure

Fence/Gates

Chain Link 100% 2043 * *

Site Pavements

Public Sidewalk

Cast in Place Concrete 100% 2046 * *

Parking/Driveway

Cast in Place Concrete 100% Now \$55,900 2046 * *

Cracking/Crumbling, Extent : Moderate, Area Affected : 20%

Location : Parking Area

Sinking/Subsiding, Extent : Moderate, Area Affected : 5%

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% 2053 * * 5

Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : Main Service Disconnect Switch Rated At 400 Amperes.

Switchgear / Switchboard

Molded Case Bkrs 100% 2033 \$63,500 5 \$200

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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
Under 600 Volts									
Raceway									
	Conduit	80%			2033	\$28,800	1		
	Conduit	20%			2053	* *	1		
Panelboards									
	Molded Case Bkrs	80%			2049	* *	5	\$200	
	Molded Case Bkrs	20%			2032	\$9,700	5		
Wiring									
	Thermoplastic	80%			2033	\$26,000	1		
	Thermoplastic	20%			2053	* *	1		
Motor Controllers									
	Variable Frequency Drive	100%			2038	* *			
Ground									
Grounding Devices									
	Generic	100%			LIFE	* *	5	\$100	
Stand-by Power									
Transfer Switches									
	Automatic	100%			2046	* *	1	\$2,500	
Generators									
	Diesel	100%			2042	* *	1	\$3,200	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Side Yard								
	Explanation : No Available Nameplate Rating Capacity								
Batteries									
	Lead/Acid	100%			2027	\$2,400	5	\$300	
Fuel Storage									
	Main Tank	100%			2061	* *	5		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Side Yard								
	Explanation : 120 Gallons Rated Capacity								
Lighting									
Interior Lighting									
	Fluorescent	10%			2033	\$6,900	10	\$700	
	LED	90%			2038	* *			
Egress Lighting									
	Emergency, Service	100%			2038	* *	1		
Exterior Lighting									
	LED	20%			2038	* *			
	No Component	80%							
Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Mechanical		Current 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. 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
Heating									
	Energy Source								
	Fuel Oil No 2	100%			2043	* *	5	\$2,500	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 550 Gallon Tank; 490 Gallon Working Capacity							
Conversion Equipment									
	Steam Boiler	100%			2050	* *	1	\$8,100	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Unit							
Distribution									
	Steam Piping/Pump	100%	0-2	\$1,300	2043	* *			
		Unbalanced System, Extent : Light, Area Affected : 5%							
		Location : Truck And Engine Rooms - Water Hammer							
Terminal Devices									
	Convactor/Radiator	90%			2031	\$58,500	1	\$2,400	
		On Extended Life, Extent : Light, Area Affected : 100%							
		Location : Various Locations							
	Fan Coil Unit/Heat	10%	0-2	\$19,700	2043	* *	1	\$200	
		On Extended Life, Extent : Moderate, Area Affected : 100%							
		Location : Apparatus Floor (Main Truck Room) - Steam Unit Heaters							
Controls									
	Electrical	100%			2028	\$44,200			
Air Conditioning									
	Energy Source								
	Electricity	100%			2041	* *	1		
Conversion Equipment									
	Split Unit	10%	0-2	\$1,900	2033	\$18,900			
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Kitchen							
		Explanation : 2 Inefficient Units, R-410a Refrigerant							
	Split Unit	5%			2041	* *			
		Recent Installation, Extent : N/A, Area Affected : 100%							
		Location : TV Room							
	Window/Wall Unit	50%	0-2	\$3,000	2028	\$15,100	1		
		Not in Service, Extent : Moderate, Area Affected : 20%							
		Location : 2nd Floor - 4 Units Defective							
	No Component	35%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	20%			LIFE	* *	2-5	\$900	
	No Component	80%							
Exhaust Fans									
	Roof	20%			2033	\$3,100	2	\$100	
	Wall Unit	10%			2033	\$300	2		
	No Component	70%							

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FIRE DEPARTMENT - 057
ENGINE CO. 257/LADDER 170 / BATTALION 58
Asset # : 13146

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	H/C Water Piping								
	Brass/Copper	90%			2043	* *	1		
	Galvanized Steel	10%	Now	\$200	2038	* *	1		
	Corroded, Extent : Moderate, Area Affected : 10%								
	Location : Basement At Water Main								
	Water Heater With Tanks								
	Gas Fired	50%			2028	\$16,700	2		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Explanation : 1 Of 2 Units - 74 Gallons. Quantity 1								
	Gas Fired	50%			2032	\$16,700	2		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Explanation : 1 Of 2 Units - 74 Gallons. Quantity 1								
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%			2028	\$200	4	\$200	
	Recent Installation, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2031	\$39,800	1-3	\$202,200	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Kitchen								
	Explanation : Kitchen Hood, 50 Square Feet (10x5)								

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 258/LADDER CO. 115
Address : 10-40 47TH STREET
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 : 25-Oct-2022 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3,4
Block : 46 **Lot** : 34 **BIN** : 4000333

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$120,100	\$150,000
Interior Architecture	\$191,400	
Mechanical	\$179,500	
Total	\$491,000	\$150,000
Importance Code A	\$120,100	\$150,000
Importance Code B	\$269,800	
Importance Code C	\$101,100	
Total	\$491,000	\$150,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$81,400		\$3,600	
Interior Architecture	\$70,100		\$1,600	
Electrical	\$2,700	\$700	\$900	\$3,400
Mechanical	\$81,300	\$14,700	\$15,300	\$30,800
Site Enclosure	\$40,400			
Site Pavements	\$8,700			
Total	\$284,700	\$15,400	\$21,400	\$34,100
Importance Code A	\$111,300	\$300	\$3,900	\$300
Importance Code B	\$126,800	\$15,200	\$15,900	\$33,900
Importance Code C	\$46,600		\$1,600	
Total	\$284,700	\$15,400	\$21,400	\$34,100



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. 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	\$18,200	
	Masonry: Brick	70%	0-2	\$120,100	LIFE	* *	5	\$27,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%									
Location : West Facade									
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%									
Location : Front And Rear Facades									
Recent Repair Evident, Extent : N/A, Area Affected : 5%									
Location : Leaks Repaired At 2nd Floor Bay Windows									
	Masonry: Granite	2%			LIFE	* *	5	\$1,200	
	Masonry: Limestone	10%	0-2	\$9,800	LIFE	* *	5	\$2,900	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%									
Location : Front Facade									
	Metal Sect. OHD	5%			2039	* *	5	\$6,100	
	Stucco Cement	10%	0-2	\$11,800	2039	* *	5	\$4,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%									
Location : West Facade									
Windows									
	Aluminum	100%			2042	* *	5	\$2,000	
Parapets									
	Masonry: Brick	60%	0-2	\$11,100	LIFE	* *	5	\$1,600	
Cracking/Crumbling, Extent : Light, Area Affected : 10%									
Location : Front Facade									
	Masonry: Limestone	15%	0-2	\$1,600	LIFE	* *	5	\$500	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%									
Location : Front Facade									
	Metal Panel	10%			2044	* *	5	\$1,100	
	Metal Rail	5%	Now	\$200	2039	* *	5	\$1,000	
Corrosion/Rusting, Extent : Light, Area Affected : 5%									
Location : At The Corners									
	Stucco Cement	10%	0-2	\$900	2047	* *	5	\$400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%									
Location : Front Facade - Roof Side									

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. 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%	2-4	\$15,000	2034	\$150,000			
		Blisters, Extent : Moderate, Area Affected : 10%							
		Location : Main Roof							
		Ponding, Extent : Moderate, Area Affected : 15%							
		Location : Various Locations							
		Recent Repair Evident, Extent : N/A, Area Affected : 50%							
		Location : Leaks Repaired							
	Metal Panel	10%			2047	**	10	\$2,600	
	Skylight, Metal/Glass	5%	2-4	\$21,200	2054	**			
		Glazing Clouded, Extent : Moderate, Area Affected : 25%							
		Location : Throughout							
		Recent Repair Evident, Extent : N/A, Area Affected : 100%							
		Location : Leaks Repaired							
Interior									
Floors									
	Cast in Place Concrete	40%			LIFE	**	5	\$27,500	
	Ceramic Tile	15%	2-4	\$7,100	2037	**	5	\$1,200	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : Kitchen							
	Wood	45%	2-4	\$90,300	2049	**	5	\$6,600	
		Deteriorated Finish, Extent : Moderate, Area Affected : 75%							
		Location : Throughout 2nd And 3rd Floors							
Interior Walls									
	Ceramic Tile	10%			2037	**	5	\$3,200	
	Concrete Masonry Unit	20%			LIFE	**	5	\$5,200	
	Gypsum Board	10%	2-4	\$1,000	LIFE	**	5	\$1,900	
		Cracking/Crumbling, Extent : Light, Area Affected : 5%							
		Location : Various Locations							
	Masonry: Brick	20%			LIFE	**	10	\$1,900	
		Paint Peeling, Extent : Light, Area Affected : 25%							
		Location : Apparatus Room And Staircase							
	Plaster	40%	Now	\$101,100	LIFE	**	5	\$3,900	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 20%							
		Location : Skylights And Various Locations 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. 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								
Ceilings								
AcousTileSusp.Lay-In	35%	2-4	\$29,400	2047	* *	5	\$2,700	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Various Locations Throughout								
Staining/Discoloring, Extent : Moderate, Area Affected : 30%								
Location : Various Locations Throughout								
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Embossed Metal	45%	2-4	\$4,600	LIFE	* *	5	\$3,200	
Deformed/Dented, Extent : Moderate, Area Affected : 5%								
Location : 4th Floor And Apparatus Room								
Exposed Struc: Steel	15%			LIFE	* *	10	\$4,700	
Plaster	5%	Now	\$5,100	LIFE	* *	5	\$500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Throughout Truck Bay And 2nd Floor Offices								
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%	0-2	\$40,400	2044	* *			
Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
Location : Rear Yard								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	0-2	\$8,000	2047	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Curb Cut At East Bay								
Other Observation, Extent : Moderate, Area Affected : 20%								
Location : Curb Cut At West Bay								
Explanation : Entry Apron Misaligned								
On-Site Walkways								
Cast in Place Concrete	100%	0-2	\$700	2039	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
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%			2044	* *	5		
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Basement									
Explanation : One 400 Ampere Service Switch									
Switchgear / Switchboard									
	Fused Disc Sw	100%			2044	* *	5		

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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
Under 600 Volts									
	Raceway								
	Conduit	70%			2034	\$27,600	1		
	Conduit	30%			2044	* *	1		
	Panelboards								
	Molded Case Bkrs	100%			2042	* *	5	\$300	
	Wiring								
	Thermoplastic	60%			2034	\$21,400	1		
	Thermoplastic	40%			2044	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2032	\$19,500	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$300	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2047	* *	1	\$3,200	
	Generators								
	Diesel	100%			2043	* *	1	\$4,100	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Right Side Rear Yard								
	Explanation : One 250 Kilowatt								
	Batteries								
	Lead/Acid	100%			2028	\$2,600	5	\$400	
	Fuel Storage								
	Day Tank	100%			2050	* *	5		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Right Rear Yard								
	Explanation : 125 Gallons								
Lighting									
	Interior Lighting								
	LED	100%			2042	* *			
	Recent Installation, Extent : N/A, Area Affected : 100%								
	Location : Throughout The Building								
	Egress Lighting								
	Emergency, Battery	50%			2029	\$9,400	10	\$1,300	
	Exit, Battery	50%			2029	\$8,000	10	\$400	
	Exterior Lighting								
	LED	20%			2042	* *			
	Recent Installation, Extent : N/A, Area Affected : 100%								
	Location : Building Perimeter								
	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

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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
Heating									
	Energy Source								
	Natural Gas	100%			2054	**	1		
	Conversion Equipment								
	Hot Water Boiler	50%	Now	\$29,900	2039	**	1	\$2,300	
		Leak Evident, Extent : Severe, Area Affected : 50%							
		Location : Basement							
	No Component	50%							
		Other Observation, Extent : N/A, Area Affected : 0%							
		Location : Rooftop Heating And Cooling Units							
		Explanation : See Air Conditioning Section							
	Distribution								
	Hot Wtr Piping/Pump	50%			2042	**	4	\$400	
	No Component	50%							
	Terminal Devices								
	Convactor/Radiator	30%			2039	**	1	\$1,000	
	Unit Heater - Steam	20%	0-2	\$100	2034	\$6,400	4	\$200	
		Not in Service, Extent : Moderate, Area Affected : 20%							
		Location : Apparatus Floor							
	No Component	50%							
	Controls								
	Electrical	100%			2029	\$31,300			
Air Conditioning									
	Energy Source								
	Electricity	100%			2050	**	1		
	Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	95%	0-2	\$179,500	2044	**	2	\$500	
		R-22 Refrigerant, Extent : Light, Area Affected : 100%							
		Location : 7 Rooftop Units, Roof							
		Other Observation, Extent : Severe, Area Affected : 100%							
		Location : Roof							
		Explanation : On Extended Life Time Units. Going Down Frequently.							
	Window/Wall Unit	5%			2029	\$2,100	1		
Ventilation									
	Distribution								
	Ductwork/Diffusers	95%			LIFE	**	2-5	\$8,800	
	No Component	5%							
	Exhaust Fans								
	Roof	60%			2029	\$13,100	2	\$200	
	Wall Unit	20%			2034	\$1,000	2	\$100	
	No Component	20%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%	0-2	\$14,400	2044	**	1		
		Other Observation, Extent : Moderate, Area Affected : 20%							
		Location : 3rd And 4th Floor							
		Explanation : Low Water Pressure							

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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
Plumbing									
	Water Heater With Tanks								
	Gas Fired	100%			2029	\$36,600	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon Units							
	Sanitary Piping								
	Cast Iron	100%	0-2	\$2,800	LIFE	* *	1		
		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%			2025	\$300	4	\$300	
	Backflow Preventer								
	Generic	100%			2039	* *	1	\$600	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Sprinkler								
	Generic	100%			2044	* *	1-2	\$2,900	
	Chemical System								
	Generic	100%			2029	\$43,700	1-3	\$202,200	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Kitchen							
		Explanation : Hood Size 50 Square Feet							

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Mechanical		\$95,600
Total		\$95,600
Importance Code B		\$95,600
Total		\$95,600

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$77,700	\$2,800	\$100	
Interior Architecture	\$71,900	\$300		
Electrical	\$5,800	\$1,800	\$1,400	\$1,200
Mechanical	\$32,000	\$18,600	\$3,400	\$1,900
Total	\$187,400	\$23,500	\$4,900	\$3,000
Importance Code A	\$78,500	\$3,600	\$900	\$800
Importance Code B	\$91,200	\$19,900	\$3,900	\$2,300
Importance Code C	\$17,700			
Total	\$187,400	\$23,500	\$4,900	\$3,000



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** 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

Architecture		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior									
Exterior Walls									
	Masonry: Brick	70%	Now	\$33,800	LIFE	* *	5	\$8,400	
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	\$2,000	LIFE	* *	5	\$1,200	
Vegetation Growth, Extent : Severe, Area Affected : 25%									
Location : East Facade									
	Masonry: Limestone	2%	Now	\$18,500	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	\$1,200	
Windows									
	Aluminum	100%	Now	\$900	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	\$500	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 : N/A, Area Affected : 100%									
Location : Roof Parapet									
Explanation : Metal Coping									
	Metal Panel	20%			2051	* *	5	\$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. 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+	\$700	2031	\$14,500			
	Vegetation Growth, Extent : Light, Area Affected : 20%							
	Location : Lower Roof Above Kitchen							
	Water Penetration, Extent : Moderate, Area Affected : 10%							
	Location : Dining Room							
Modified Bitumen	77%	Now	\$10,300	2036	**			
	Water Penetration, Extent : Severe, Area Affected : 10%							
	Location : Main Roof At Air Conditioning Penetrations							
Plaza Roof: Stone Panels	15%			2051	**			
Skylight, Metal/Glass	3%	Now	\$5,200	2051	**			1
	Water Penetration, Extent : Severe, Area Affected : 20%							
	Location : Dining Room Skylight							
Interior								
Floors								
Cast in Place Concrete	43%			LIFE	**	5	\$20,500	
Ceramic Tile	30%	Now	\$7,200	2040	**	5	\$3,300	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
	Location : Kitchen							
Sheet Vinyl/Rubber	2%			2036	**	5	\$700	
Wood	25%	Now	\$15,900	2059	**	5	\$5,100	
	Ridging, Extent : Severe, Area Affected : 10%							
	Location : Bunker Room On Third Floor From Roof Water Penetration							
Interior Walls								
Cast in Place Concrete	15%			LIFE	**			
Ceramic Tile	5%	Now	\$13,600	2040	**	5	\$600	
	Cracking/Crumbling, Extent : Severe, Area Affected : 10%							
	Location : Stairs To Basement							
	Loose/Delam Surface, Extent : Moderate, Area Affected : 10%							
	Location : Mens 3rd Floor Bathroom							
	Staining/Discoloring, Extent : Moderate, Area Affected : 30%							
	Location : Apparatus Room And Kitchen							
Concrete Masonry Unit	10%			LIFE	**	5	\$1,000	
Gypsum Board	59%	Now	\$4,100	LIFE	**	5	\$9,000	
	Water Penetration, Extent : Severe, Area Affected : 25%							
	Location : 3rd Floor Front Room, Gymnasium, Bunker Room And Soffit Sides At Dining Room Skylight Area							
Masonry: Fieldstone	5%			LIFE	**			
Metal Panel	1%			LIFE	**			
	Other Observation, Extent : Light, Area Affected : 100%							
	Location : 1st Floor Housewatch							
	Explanation : Stainless Steel Panels							
Wood	5%			LIFE	**	5	\$5,100	

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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

Architecture		Current 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+ \$1,100 2044 * * 5 \$1,600

*Staining/Discoloring, Extent : Severe, Area Affected : 10%
Location : 2nd And 3rd Floor Offices*

Exposed Struc: Steel 25% Now \$25,600 LIFE * *

*Water Penetration, Extent : Severe, Area Affected : 2%
Location : Basement Below Biodiesel Pipe Penetrations At Sidewalk Level*

Gypsum Board 60% Now \$4,500 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 \$200

Stand-by Power

Transfer Switches

Automatic 100% 2044 * * 1 \$4,900

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
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	\$2,400	5	\$600	
Fuel Storage									
	Day Tank	10%			2047	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : 60 Gallons Rated Capacity									
	Main Tank	90%			2059	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : 550 Gallons Rated Capacity									
Lighting									
Interior Lighting									
	LED	100%			2039	* *			
Other Observation, Extent : N/A, 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	\$2,000	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	\$7,200	1	\$1,200	
		Other Observation, Extent : N/A, 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	\$2,900	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	\$3,800	2051	**	1	\$200	
		Damaged, Extent : Moderate, Area Affected : 100% Location : Third Floor Bathroom							
Fan Coil Unit/Heat		25%			2031	\$95,600	1	\$1,300	
	No Component	15%							
Air Conditioning									
Energy Source									
Electricity		100%			2047	**	1		
Conversion Equipment									
Exterior Pkg Unit - Cooling		70%	Now	\$5,900	2036	**	2	\$500	
		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	\$3,700	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	\$3,400	LIFE	**	2-5	\$900	
		Insul. Deteriorating, Extent : Moderate, Area Affected : 30% Location : 3rd Floor Ceiling							
Ductwork/Diffusers		90%			LIFE	**	2-5	\$7,900	

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FIRE DEPARTMENT - 057
ENGINE CO. 259/LADDER CO. 128 /BATTALION 45
Asset # : 13148

Mechanical		Current Repair		Future Replacement		Maintenance			
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	\$1,300	2	\$100	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2051	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2026	\$16,700	2		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Cellar								
	Explanation : Two 75 Gallon Heaters								
	Sanitary Piping								
	Cast Iron	100%	Now	\$9,700	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	\$200	1-3	\$700	

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 26
Address : 220 WEST 37th STREET BET 7TH AVE AND 8TH AVE
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.026 / 13019 **Yr Built/Renovated** : 1869 / 2010
Area Sq Ft : 7,221 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Nov-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 786 **Lot** : 61 **BIN** : 1014447

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$106,800	\$63,600
Electrical		\$6,100
Mechanical		\$114,100
Total	\$106,800	\$183,900
Importance Code A	\$106,800	\$63,600
Importance Code B		\$120,300
Total	\$106,800	\$183,900

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$40,600		\$7,800	
Interior Architecture	\$113,400	\$2,300		\$600
Electrical	\$9,800	\$100	\$38,900	
Mechanical	\$1,200	\$1,300	\$13,000	\$1,300
Site Pavements	\$2,000			
Total	\$166,900	\$3,700	\$59,700	\$2,000
Importance Code A	\$41,300	\$700	\$8,500	\$700
Importance Code B	\$87,400	\$1,500	\$51,200	\$1,200
Importance Code C	\$38,200	\$1,500		
Total	\$166,900	\$3,700	\$59,700	\$2,000



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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. 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	\$106,800	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%			2037	**	5	\$15,600	
Windows									
	Aluminum	100%	Now	\$30,800	2040	**	5	\$600	1
Air Infiltration, Extent : Severe, Area Affected : 30%									
Location : Front Facade									
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 : At Side Walls									
	No Component	5%							
Roof									
	Asphalt Shingle	5%	Now	\$700	2035	**			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%									
Location : Rear Roof									
Water Penetration, Extent : Moderate, Area Affected : 20%									
Location : Throughout									
	Modified Bitumen	90%			2032	\$63,600	10	\$6,000	
	Skylight, Metal/Glass	5%	0-2	\$9,100	2042	**			
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	30%			LIFE	**	5	\$7,100	
	Ceramic Tile	15%			2041	**	5	\$1,600	
	Quarry Tile	5%	0-2	\$3,900	2037	**	5	\$400	
	Cracking/Crumbling, Extent : Light, Area Affected : 5%								
	Location : Kitchen								
	Worn/Eroded, Extent : Moderate, Area Affected : 50%								
	Location : Kitchen								
	Vinyl Tile	45%	Now	\$39,400	2042	**	3	\$1,800	
	Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
	Location : 1st, 2nd And 3rd Floor Rooms								
	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	5%	Now	\$600	2060	**	5	\$500	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 100%								
	Location : Wood Stair From 2nd To 3rd Floor								
Interior Walls									
	Ceramic Tile	20%			2041	**	5	\$2,900	
	Masonry: Brick	10%	Now	\$5,400	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	\$19,000	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	\$12,700	LIFE	**			
	Cracking/Crumbling, Extent : Light, Area Affected : 30%								
	Location : 1st Floor								
	Wood	5%	Now	\$1,000	LIFE	**	5	\$2,900	
	Broken/Missing Elements, Extent : Light, Area Affected : 10%								
	Location : 3rd Floor Behind Cab								

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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 25% Now \$9,000 2037 * * 5 \$1,400

Broken/Missing Elements, Extent : Moderate, Area Affected : 40%

Location : Basement, 1st, 2nd And 3rd Floor Offices And Main Area

Staining/Discoloring, Extent : Moderate, Area Affected : 60%

Location : Basement, 1st, 2nd And 3rd Floor

AcousTileSusp.Lay-In 15% 0-2 \$1,300 2045 * * 5 \$800

Broken/Missing Elements, Extent : Moderate, Area Affected : 5%

Location : 1st, 2nd And 3rd Floor Offices

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 \$11,300 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 Struc: Concrete 20% 4+ \$6,500 LIFE * * 5 \$300

Spalling, Extent : Light, Area Affected : 2%

Location : Basement

Plaster 20% 4+ \$3,300 LIFE * * 5 \$1,400

Cracking/Crumbling, Extent : Light, Area Affected : 5%

Location : Second Floor

Site Pavements**Public Sidewalk**

Cast in Place Concrete 100% 2-4 \$1,900 2045 * *

Cracking/Crumbling, Extent : Moderate, Area Affected : 50%

Location : 37th Street

Parking/Driveway

Cast in Place Concrete 100% Now \$100 2037 * *

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% 2032 \$14,700 5

Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : One 200 Ampere Disconnect Switch

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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									
Raceway									
	Conduit	90%			2032	\$32,400	1		
	Conduit	10%			2052	* *	1		
Panelboards									
	Fused Disc Sw	5%			2031	\$2,400	5		
	Molded Case Bkrs	75%			2031	\$36,400	5	\$100	
	Molded Case Bkrs	20%			2048	* *	5		
Wiring									
	Braided Cloth	30%	2-4	\$9,800	2057	* *	1		
		Insulation Aged, Extent : Moderate, Area Affected : 100%							
		Location : Throughout The Building							
	Thermoplastic	20%			2052	* *	1		
	Thermoplastic	50%			2032	\$16,300	1		
Motor Controllers									
	Locally Mounted	100%			2030	\$17,800	5		
Ground									
Grounding Devices									
	Generic	100%			LIFE	* *	5	\$100	
Lighting									
Interior Lighting									
	Fluorescent	90%			2037	* *	10	\$6,000	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Throughout The Building							
		Explanation : T-8 Lamps							
	Fluorescent	10%			2032	\$6,100	10	\$700	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : T-12 Lamps							
Exterior Lighting									
	HID	100%			2027	\$32,900	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%			2052	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2045	* *	1	\$7,200	

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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
Heating									
	Distribution								
	Steam Piping/Pump	100%			2032	\$56,500			
		On Extended Life, Extent : Moderate, Area Affected : 100%							
		Location : Throughout, Steam Supply And Condensate Return Piping Are Beyond Their Useful Life Cycle Rating							
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Throughout							
		Explanation : Gravity Steam Condensate Return System							
Terminal Devices									
	Convactor/Radiator	100%			2030	\$57,700	1	\$2,300	
		On Extended Life, Extent : Moderate, Area Affected : 100%							
		Location : Heating Terminal Equipment Are Beyond Their Useful Life Cycle Rating							
Air Conditioning									
	Energy Source								
	Electricity	100%			2040	* *	1		
Conversion Equipment									
	Split Unit	10%			2040	* *			
	Window/Wall Unit	40%			2027	\$10,700	1		
	No Component	50%							
Heat Rejection									
	Air Cooled Condenser Unit	10%			2040	* *	2	\$500	
		Recent Installation, Extent : N/A, Area Affected : 10%							
		Location : Newly Installed Condensing Unit Evident							
	No Component	90%							
Ventilation									
	Exhaust Fans								
	Roof	15%			2032	\$2,100	2		
	No Component	85%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2052	* *	1		
Water Heater With Tanks									
	Gas Fired	100%			2030	\$16,700	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon Units							
Sanitary Piping									
	Cast Iron	100%			LIFE	* *	1		
		On Extended Life, Extent : Moderate, Area Affected : 100%							
		Location : Throughout, The Sanitary Piping Are Beyond Their Useful Life Cycle Rating							
Storm Drain Piping									
	Cast Iron	100%			LIFE	* *	1		
		On Extended Life, Extent : Moderate, Area Affected : 100%							
		Location : Throughout, The Storm Piping Are Beyond Their Useful Life Cycle Rating							

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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)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
	Backflow Preventer							
	No Component	95%						
	Generic	5%		2037	* *	1		
Fixtures								
	Generic	100%						
Fire Suppression								
	Chemical System							
	Dry	5%		2027	\$800	1-3	\$3,600	
		<i>Other Observation, Extent : Light, Area Affected : 5%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : Ansul System Serves Cooking Area</i>						
	No Component	95%						

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$132,000	\$194,800
Interior Architecture	\$118,500	\$54,600
Total	\$250,500	\$249,400
Importance Code A	\$132,000	\$194,800
Importance Code B	\$118,500	\$54,600
Total	\$250,500	\$249,400

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$28,900			
Interior Architecture	\$62,900			\$500
Electrical		\$100		
Mechanical	\$7,800	\$30,300	\$1,100	\$1,000
Site Enclosure	\$7,400			
Site Pavements	\$8,800			
Total	\$115,800	\$30,400	\$1,100	\$1,500
Importance Code A	\$29,500	\$700	\$700	\$700
Importance Code B	\$51,400	\$29,800	\$400	\$900
Importance Code C	\$34,900			
Total	\$115,800	\$30,400	\$1,100	\$1,500



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

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

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

FIRE DEPARTMENT - 057**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	\$132,000	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	\$1,600	
	Wood Overhead Doors	15%	Now	\$9,200	2029	\$92,100	5	\$8,200	
		Deteriorated Finish, Extent : Moderate, Area Affected : 40%							
		Location : Throughout							
Windows									
	Aluminum	100%	Now	\$3,900	2047	* *	5	\$800	
		Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 20%							
		Location : Throughout							
Parapets									
	Cast Stone/Terra Cotta	5%			LIFE	* *	5	\$500	
	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	\$1,700	LIFE	* *	5	\$300	
		Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 5%							
		Location : Joint Between Brick							
Roof									
	Modified Bitumen	98%	2-4	\$2,100	2031	\$102,800			
		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

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FIRE DEPARTMENT - 057
ENGINE CO. 260
Asset # : 13149

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Interior Floors								
Cast in Place Concrete	50%	Now	\$21,000	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	\$54,600	3	\$1,000	
Vinyl Tile 9" X 9"	20%	Now	\$7,900	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	\$10,300	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	* *			
Plaster	60%	Now	\$9,900	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								

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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+	\$700	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 Struc: Concrete	40%	Now	\$118,500	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	\$12,000	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	\$7,400	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+	\$2,200	2036	* *			
		Cracking/Crumbling, Extent : Light, Area Affected : 15%							
		Location : At Apron By Overhead Door Entrance							
	On-Site Walkways								
	Cast in Place Concrete	100%	Now	\$3,200	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	\$3,400	2044	* *			
		Cracking/Crumbling, Extent : Moderate, Area Affected : 20%							
		Location : Side Yard By Cellar Access Hatches							

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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 : N/A, 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	\$28,800	1		
	Conduit	20%			2041	* *	1		
	Panelboards								
	Molded Case Bkrs	80%			2039	* *	5	\$100	
	Molded Case Bkrs	20%			2030	\$9,700	5		
	Wiring								
	Thermoplastic	80%			2041	* *	1		
	Thermoplastic	20%			2031	\$6,500	1		
Ground									
	Grounding Devices								
	Not Accessible	100%							
Lighting									
	Interior Lighting								
	LED	100%			2039	* *			
Other Observation, Extent : N/A, 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	\$4,600	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.

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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	\$2,600	2041	**			
		Loose, Extent : Moderate, Area Affected : 90%							
		Location : Various Locations							
Terminal Devices	Convactor/Radiator	100%	0-2	\$1,100	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	\$1,300	2026	\$12,500	1		
		Not in Service, Extent : Moderate, Area Affected : 10%							
		Location : Various Locations							
	No Component	50%							
Ventilation									
Distribution	Ductwork/Diffusers	20%			LIFE	**	2-5	\$800	
	No Component	80%							
Exhaust Fans	Roof	20%			2036	**	2		
	Wall Unit	30%			2031	\$900	2	\$100	
	No Component	50%							
		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 With Tanks	Gas Fired	100%			2026	\$16,700	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Cellar							
		Explanation : There Is Only One 75 Gallon Heater							
Sanitary Piping	Cast Iron	100%	0-2	\$1,700	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		

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

FIRE DEPARTMENT - 057
ENGINE CO. 260
Asset # : 13149

Mechanical		Current Repair		Future Replacement		Maintenance			
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%			2025	\$200	1-3	\$800	
		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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$119,500	\$103,500
Electrical		\$63,500
Total	\$119,500	\$167,000
Importance Code A	\$119,500	\$103,500
Importance Code B		\$63,500
Total	\$119,500	\$167,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$50,900			\$8,000
Interior Architecture	\$44,300		\$400	
Electrical	\$100	\$17,200		
Mechanical	\$3,600	\$29,000	\$1,100	\$900
Site Pavements	\$8,700			
Total	\$107,600	\$46,200	\$1,500	\$8,800
Importance Code A	\$51,500	\$600	\$600	\$8,600
Importance Code B	\$35,300	\$45,600	\$900	\$300
Importance Code C	\$20,700			
Total	\$107,600	\$46,200	\$1,500	\$8,800



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

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 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	\$119,500	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	\$800		
Masonry: Limestone	10%			LIFE	**	5	\$1,600		
Wood Overhead Doors	15%			2048	**	5	\$15,900		
	Recent Replace Evident, Extent : N/A, Area Affected : 100%								
	Location : Aparatus Overhead Door								
Windows									
Aluminum	100%	Now	\$29,300	2047	**	5	\$1,000		
	Crtw/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	\$10,200	LIFE	**	5	\$1,600	1	
	Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%								
	Location : Throughout Main Roof								
Masonry: Granite	3%			LIFE	**	5	\$100		
	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	\$10,400	2031	\$103,500				
	Water Penetration, Extent : Severe, Area Affected : 10%								
	Location : Hatch And Front Of Building								

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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
Interior								
Floors								
Cast in Place Concrete	60%	Now	\$9,700	LIFE	**	5	\$12,800	
Broken/Missing Elements, Extent : Severe, Area Affected : 1%								
Location : Aparatus Floor Below Trucks								
Ceramic Tile	7%	Now	\$800	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	\$2,000	LIFE	**			
Water Penetration, Extent : Severe, Area Affected : 2%								
Location : Vault Below Sidewalk At Hatch								
Ceramic Tile	5%			2040	**	5	\$700	
Masonry: Brick	5%	Now	\$2,500	LIFE	**			
Paint Peeling, Extent : Severe, Area Affected : 10%								
Location : Basement And Stair To Basement								
Plaster	70%	Now	\$11,100	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	**			
Ceilings								
AcousTileSusp.Lay-In	5%			2044	**	5	\$500	
Exposed Struc: Concrete	33%			LIFE	**	5	\$500	
Plaster	62%	Now	\$17,900	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	\$3,900	2036	**			
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : 29th Street								
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$1,500	2036	**			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Rear								

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FIRE DEPARTMENT - 057
ENGINE CO. 261/LADDER CO. 116
Asset # : 13150

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

Site Pavements

Parking/Driveway

Cast in Place Concrete 100% 2-4 \$3,300 2036 * *

Broken/Missing Elements, Extent : Light, Area Affected : 15%

Location : Rear Of Driveway

Sinking/Subsiding, Extent : Moderate, Area Affected : 10%

Location : Rear Of Driveway

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

Under 600 Volts

Service Equipment

Fused Disc Sw 100% 2031 \$14,700 5

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

Location : Basement

Explanation : Main Service Disconnect Switch Rated At 200 Amperes.

Switchgear / Switchboard

Fused Disc Sw 100% 2031 \$63,500 5

Raceway

Conduit 80% 2031 \$28,800 1

Conduit 20% 2051 * * 1

Panelboards

Fused Disc Sw 10% 2030 \$4,800 5

Molded Case Bkrs 70% 2030 \$33,900 5 \$100

Molded Case Bkrs 20% 2047 * * 5

Wiring

Thermoplastic 20% 2051 * * 1

Thermoplastic 80% 2031 \$26,000 1

Motor Controllers

Locally Mounted 100% 2029 \$17,800 5

Ground

Grounding Devices

Generic 100% LIFE * * 5 \$100

Lighting

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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	\$15,500	10	\$1,700	
		Other Observation, Extent : Light, Area Affected : 100% Location : 1st Floor, 2nd Floor Office Explanation : T-12 Lamps							
	Fluorescent	40%			2031	\$20,700	10	\$2,200	
		Other Observation, Extent : Light, Area Affected : 100% Location : Basement, 1st Floor Explanation : T-8 Lamps							
	LED	30%			2039	* *			
		Other Observation, Extent : N/A, Area Affected : 100% Location : 2nd Floor Explanation : LED Lamps							
Egress Lighting									
	Exit, LED	100%			2059	* *	1		
Exterior Lighting									
	LED	20%			2031	\$6,400			
	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	\$1,000	2041	* *			
		Unbalanced System, Extent : Moderate, Area Affected : 50%							
		Location : 2nd Floor Is Much Cooler							
	Terminal Devices								
	Convactor/Radiator	100%			2029	\$48,600	1	\$2,000	
Air Conditioning									
	Energy Source								
	Electricity	100%			2047	* *	1		
	Conversion Equipment								
	Window/Wall Unit	50%			2026	\$11,300	1		
	No Component	50%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	50%			LIFE	* *	2-5	\$1,700	
	No Component	50%							

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

Estimates are rounded to the nearest hundred dollars.

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

** 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	\$500	2		
	No Component	30%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2041	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2026	\$16,700	2		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : 75 Gallon								
	Sanitary Piping								
	Cast Iron	100%	0-2	\$1,500	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%			2025	\$200	4	\$200	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	99%							
	Generic	1%			2026	\$200	1-3	\$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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$288,800	
Interior Architecture	\$50,900	\$374,700
Electrical		\$127,000
Mechanical		\$70,600
Total	\$339,800	\$572,200
Importance Code A	\$288,800	\$63,500
Importance Code B	\$50,900	\$405,900
Importance Code C		\$102,800
Total	\$339,800	\$572,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$82,900	\$3,500		
Interior Architecture	\$81,200			\$600
Electrical	\$100	\$6,200		
Mechanical	\$26,900	\$23,500	\$1,400	\$900
Site Enclosure	\$800			
Site Pavements	\$4,500			
Total	\$196,400	\$33,200	\$1,400	\$1,500
Importance Code A	\$83,300	\$4,100	\$500	\$500
Importance Code B	\$89,200	\$29,200	\$900	\$1,000
Importance Code C	\$23,800			
Total	\$196,400	\$33,200	\$1,400	\$1,500



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

FIRE DEPARTMENT - 057
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	\$48,900	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	\$66,300	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	\$9,100	
Windows									
	Aluminum	100%	Now	\$72,000	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	\$6,300	

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

FIRE DEPARTMENT - 057
ENGINE CO. 262
Asset # : 13151

Architecture		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Exterior									
Roof									
Built-Up (BUR)	98%	Now	\$150,500	2041	**			1	
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	\$29,000	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	\$11,600	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+	\$3,800	2031	\$37,600	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	\$271,800	3	\$1,700		
Patching Evident, Extent : Light, Area Affected : 5%									
Location : Corridor									

Note : 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. 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	* *				
Ceramic Tile	4%	2-4	\$8,200	2034	\$41,100	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	\$61,700	5	\$1,100		
Concrete Masonry Unit	10%	4+	\$3,500	LIFE	* *	5	\$800		
Vertical Cracks, Extent : Moderate, Area Affected : 5%									
Location : Stairwell And Basement									
Plaster	30%	0-2	\$6,800	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	* *				
Ceilings									
AcousTileConcealSpLn	30%	Now	\$39,400	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 Struc: Concrete	50%	0-2	\$50,900	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	\$600	LIFE	* *	5	\$900		
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%									
Location : Kitchen And Lounge									
Plaster	15%	0-2	\$6,200	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	\$800	2066	* *				
Broken/Missing Elements, Extent : Severe, Area Affected : 100%									
Location : Rear Gate									
Free Standing Walls									
Under Construction	100%								
Other Observation, Extent : N/A, Area Affected : 0%									
Location : Side Yard									
Explanation : Temporary Plywood Wall Installed By Adjacent Property Owner									

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

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 262
Asset # : 13151

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

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%				2036	* *	
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On-Site Walkways

Cast in Place Concrete	100%	2-4	\$1,000	2036	* *		
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 20%**Location : Overhead Door Apron**Loose/Delam Surface, Extent : Light, Area Affected : 5%**Location : Overhead Door Apron*

Parking/Driveway

Cast in Place Concrete	100%	Now	\$3,500	2036	* *		
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*Broken/Missing Elements, Extent : Moderate, Area Affected : 15%**Location : Side Yard*

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

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%				2031	\$63,500	5	\$200
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : One 400 Ampere Main Disconnect Switch*

Switchgear / Switchboard

Molded Case Bkrs	100%				2031	\$63,500	5	\$200
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Raceway

Conduit	100%				2031	\$36,000	1	
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Panelboards

Fused Disc Sw	5%				2030	\$2,400	5	
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Molded Case Bkrs	95%				2030	\$46,000	5	\$200
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Wiring

Thermoplastic	100%				2031	\$32,500	1	
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Motor Controllers

Locally Mounted	100%				2029	\$17,800	5	\$100
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Ground

Grounding Devices

Generic	100%				LIFE	* *	5	\$100
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Lighting

Interior Lighting

Fluorescent	70%				2036	* *	10	\$6,000
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement And Second Floor**Explanation : T-8 Lamps*

LED	30%				2039	* *		
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Exterior Lighting

LED	20%				2039	* *		
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No Component	80%							
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

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

Electrical		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

\$900

1

\$200

*Other Observation, Extent : Light, Area Affected : 100%**Location : In Front Of The Building**Explanation : Only Outside*

Mechanical		Current Repair			Future Replacement		Maintenance		
System	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

\$500

Terminal Devices

Convactor/Radiator

95%

2029

\$70,600

1

\$2,900

Unit Heater - Steam

5%

2026

\$2,600

4

\$100

Air Conditioning

Energy Source

Electricity

100%

2039

* *

1

Conversion Equipment

Exterior Pkg Unit -

Cooling

20%

0-2

\$12,000

2041

* *

2

\$100

*Abandoned in Place, Extent : Severe, Area Affected : 100%**Location : Roof**Broken, Extent : Severe, Area Affected : 50%**Location : 2nd Floor*

Window/Wall Unit

35%

2026

\$12,000

1

No Component

45%

Ventilation

Distribution

Ductwork/Diffusers

40%

LIFE

* *

2-5

\$2,100

No Component

60%

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

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

Mechanical		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	\$1,600	2026	\$8,100	2		
		On Extended Life, Extent : Moderate, Area Affected : 100%							
		Location : Apparatus Floor							
	Roof	30%	0-2	\$5,300	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 With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon Units							
	Sanitary Piping								
	Cast Iron	100%	0-2	\$5,700	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	\$1,000	LIFE	**	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 40%							
		Location : Outdoor Pit Drain Near Basement Mechanical Room							
	Sump Pump(s)								
	Submersible	100%			2025	\$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%			2025	\$200	1-3	\$800	

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

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

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$445,300	
Interior Architecture	\$269,600	\$257,400
Electrical		\$99,500
Mechanical		\$55,300
Total	\$714,900	\$412,100
Importance Code A	\$445,300	
Importance Code B	\$269,600	\$264,700
Importance Code C		\$147,500
Total	\$714,900	\$412,100

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$77,100			
Interior Architecture	\$181,400			\$500
Electrical	\$26,000	\$4,300	\$300	\$300
Mechanical	\$17,000	\$10,600	\$700	\$700
Total	\$301,500	\$14,900	\$1,000	\$1,500
Importance Code A	\$77,600	\$400	\$400	\$400
Importance Code B	\$141,400	\$14,500	\$600	\$1,100
Importance Code C	\$82,500			
Total	\$301,500	\$14,900	\$1,000	\$1,500



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

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 263/LADDER CO. 117
Asset # : 13152

Architecture		Current Repair		Future Replacement		Maintenance			
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	\$219,400	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	\$900	
	Masonry: Limestone	15%	Now	\$45,000	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	\$99,600	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+	\$11,900	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	\$66,500	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							

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 263/LADDER CO. 117
Asset # : 13152

Architecture		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Exterior									
Roof									
Modified Bitumen	95%	Now	\$59,800	2036		* *			
	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	\$20,200	2041		* *		1	
	Corrosion/Rusting, Extent : Severe, Area Affected : 20%								
	Location : Throughout								
Interior									
Floors									
Cast in Place Concrete	40%	Now	\$66,300	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	\$22,000	2034	\$109,900		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	\$10,800	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	\$46,500	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	\$29,500	2034	\$147,500	5	\$1,400	
		Broken/Missing Elements, Extent : Moderate, Area Affected : 25%							
		Location : Third Floor Bathrooms							
	Masonry: Brick	20%	0-2	\$20,400	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	\$32,600	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	* *			

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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 \$4,900 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+ \$4,400 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 Struc: Concrete 15% Now \$109,500 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 \$93,700 LIFE * *

Corrosion/Rusting, Extent : Severe, Area Affected : 10%

Location : Basement

Plaster 35% Now \$10,400 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 \$14,700 5

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

Location : Basement

Explanation : One 200 Ampere Main Disconnect Switch

Raceway

Conduit 100% 2031 \$36,000 1

Panelboards

Fused Disc Sw 5% 2030 \$2,400 5

Molded Case Bkrs 95% 2030 \$46,000 5 \$100

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FIRE DEPARTMENT - 057
ENGINE CO. 263/LADDER CO. 117
Asset # : 13152

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts									
Wiring									
	Braided Cloth	40%	2-4	\$13,000	2056	**	1		
On Extended Life, Extent : Moderate, Area Affected : 100%									
Location : Throughout The Building									
	Thermoplastic	40%			2031	\$13,000	1		
	Thermoplastic	20%			2041	**	1		
Motor Controllers									
	Locally Mounted	100%			2029	\$17,800	5		
Ground									
Grounding Devices									
	Generic	100%	0-2	\$10,200	LIFE	**	5	\$100	
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	\$99,500	1	\$1,700	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : One 60 Kilowatts									
Batteries									
	Lead/Acid	100%			2025	\$2,400	5	\$200	
Fuel Storage									
	Day Tank	50%			2039	**	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : One 60 Gallons									
	Main Tank	50%			2034	\$37,500	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : One 550 Gallons									
Lighting									
Interior Lighting									
	Fluorescent	65%			2031	\$24,300	10	\$2,600	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement And Second Floor									
Explanation : T-8 Lamps									
	Incandescent	5%			2031	\$2,700	2		
	LED	30%			2039	**			
Exterior Lighting									
	HID	20%			2026	\$4,000	10		
	No Component	80%							

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FIRE DEPARTMENT - 057
ENGINE CO. 263/LADDER CO. 117
Asset # : 13152

Mechanical		Current Repair		Future Replacement		Maintenance			
System	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	\$700	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								
	Convactor/Radiator	100%	Now	\$700	2029	\$35,200	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	\$4,600	2031	\$15,300			
	Malfunctioning, Extent : Moderate, Area Affected : 100%								
	Location : Kitchen And Engine Side 1st Floor Back Room								
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : 1st Floor								
	Explanation : 2 Units.								
	Window/Wall Unit	40%	0-2	\$3,900	2031	\$6,500	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	\$1,600	1		
	No Component	35%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	20%			LIFE	* *	2-5	\$500	
	No Component	80%							

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FIRE DEPARTMENT - 057
ENGINE CO. 263/LADDER CO. 117
Asset # : 13152

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation									
	Exhaust Fans								
	Roof	20%			2039	**	2		
	Wall Unit	20%	0-2	\$400	2041	**	2		
		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	\$55,300	1		
	Water Heater With Tanks								
	Gas Fired	50%			2026	\$8,300	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Unit 74 Gallon							
	Gas Fired	50%			2030	\$8,300	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Unit 74 Gallon							
Sanitary Piping									
	Cast Iron	30%	Now	\$4,900	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	\$900	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%			2025	\$100	4	\$100	
Fixtures									
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	99%							
	Generic	1%			2025	\$200	1-3	\$800	

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 265/LADDER CO. 121 / EMS STATION 47
Address : 303 BEACH 49 STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.265 / 13154 **Yr Built/Renovated** : 2004 /
Area Sq Ft : 18,010 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Feb-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2,3
Block : 15926 **Lot** : 44 **BIN** : 4302052

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Mechanical		\$125,800
Total		\$125,800
Importance Code B		\$125,800
Total		\$125,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$43,300		\$12,500	\$1,500
Interior Architecture	\$38,700	\$1,300		\$700
Electrical	\$11,600	\$4,000	\$17,900	\$1,500
Mechanical	\$6,100	\$2,100	\$2,500	\$2,700
Site Enclosure	\$4,000			
Site Pavements	\$6,400			
Total	\$110,100	\$7,400	\$32,800	\$6,300
Importance Code A	\$44,200	\$900	\$13,400	\$2,300
Importance Code B	\$52,500	\$5,900	\$19,400	\$4,000
Importance Code C	\$13,400	\$600		
Total	\$110,100	\$7,400	\$32,800	\$6,300



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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	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost	Priority
	Type	Total	(Years)		FY		(Yrs)		
Exterior									
Exterior Walls									
	Alum/Vinyl Siding	1%			2052	**	10	\$100	
	Concrete Masonry Unit	25%			LIFE	**	5	\$6,900	
	Exposed Struc: Steel	4%			LIFE	**	5	\$5,500	
	Masonry: Brick	55%			LIFE	**	5	\$24,300	
	Metal Sect. OHD	10%			2045	**	5	\$13,800	
	Window Wall	5%			2052	**	5	\$8,300	
Windows									
	Aluminum	95%			2048	**	5	\$2,900	
	Metal Louvers	5%			2041	**	10	\$1,000	
Parapets									
	Concrete Masonry Unit	25%			LIFE	**	5	\$1,200	
	Masonry: Brick	60%			LIFE	**	5	\$2,600	
	Metal Panel	5%			2052	**	5	\$900	
	Metal Rail	10%			2045	**	5-10	\$8,000	
Roof									
	Metal Panel	25%			2045	**	10	\$14,600	
	Modified Bitumen	50%	Now	\$17,000	2037	**			
		Blisters, Extent : Moderate, Area Affected : 5%							
		Location : Removed Skylight							
		Vegetation Growth, Extent : Moderate, Area Affected : 1%							
		Location : Roof Drain							
		Water Penetration, Extent : Light, Area Affected : 15%							
		Location : Over The Second Floor							
	Modified Bitumen	25%			2037	**	10	\$7,900	
		Other Observation, Extent : Moderate, Area Affected : 50%							
		Location : Over The Second Floor							
		Explanation : Concrete Pavers							
Soffits									
	Cast in Place Concrete	100%			LIFE	**	5		
Interior									
Floors									
	Cast in Place Concrete	70%	Now	\$31,400	LIFE	**	5	\$41,300	
		Water Penetration, Extent : Moderate, Area Affected : 2%							
		Location : 2nd Floor Mechanical Room							
	Ceramic Tile	5%			2041	**	5	\$1,300	
	Quarry Tile	5%			2045	**	5	\$2,000	
	Vinyl Tile	20%			2037	**	3	\$2,700	

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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
Interior									
Interior Walls									
	Ceramic Tile	5%			2041	* *	5	\$1,200	
	Concrete Masonry Unit	30%			LIFE	* *	5	\$3,000	
	Gypsum Board	45%	Now	\$3,100	LIFE	* *	5	\$6,700	
	Paint Peeling, Extent : Light, Area Affected : 5%								
	Location : Throughout								
	Water Penetration, Extent : Light, Area Affected : 10%								
	Location : 2nd Floor And Corridors								
	Masonry: Brick	5%			LIFE	* *			
	SGFT/Glazed Masonry	10%			LIFE	* *			
	Wood	5%			LIFE	* *	5	\$5,000	
Ceilings									
	AcousTileSusp.Lay-In	30%	Now	\$2,600	2045	* *	5	\$4,000	
	Broken/Missing Elements, Extent : Light, Area Affected : 1%								
	Location : Throughout								
	Staining/Discoloring, Extent : Light, Area Affected : 1%								
	Location : Throughout								
	Water Penetration, Extent : Moderate, Area Affected : 2%								
	Location : 1st Floor Emergency Medical Services Offices								
	Exposed Struc: Steel	60%			LIFE	* *			
	Gypsum Board	10%			LIFE	* *	5	\$3,400	
Site Enclosure									
Fence/Gates									
	Chain Link	50%			2052	* *			
	Iron Picket	50%	Now	\$2,000	2067	* *			
	Corrosion/Rusting, Extent : Moderate, Area Affected : 30%								
	Location : Throughout								
Free Standing Walls									
	Concrete Masonry Unit	100%	Now	\$2,000	2052	* *			
	Cracking/Crumbling, Extent : Light, Area Affected : 10%								
	Location : Along 48th Street								
	Other Observation, Extent : Light, Area Affected : 5%								
	Location : Masonry Free Standing Wall								
	Explanation : Decorative Steel Detailing Above Needs Reanchoring								
Site Pavements									
Public Sidewalk									
	Cast in Place Concrete	100%			2052	* *			
On-Site Walkways									
	Cast in Place Concrete	100%	Now	\$6,400	2045	* *			
	Misaligned/Bulging, Extent : Moderate, Area Affected : 10%								
	Location : Rear Parking Lot								
Parking/Driveway									
	Asphalt	80%			2047	* *			
	Cast in Place Concrete	20%			2052	* *			

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FIRE DEPARTMENT - 057
ENGINE CO. 265/LADDER CO. 121 / EMS STATION 47
Asset # : 13154

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts									
	Service Equipment								
	Fused Disc Sw	100%			2052	**	5	\$100	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Electrical Room							
		Explanation : Main Service Disconnect Switch Rated At 400 Amperes.							
	Switchgear / Switchboard								
	Fused Disc Sw	100%			2052	**	5	\$100	
	Raceway								
	Conduit	100%			2052	**	1		
	Panelboards								
	Fused Disc Sw	10%			2048	**	5		
	Molded Case Bkrs	90%			2048	**	5	\$400	
	Wiring								
	Thermoplastic	100%			2052	**	1		
	Motor Controllers								
	Locally Mounted	100%			2045	**	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%	0-2	\$10,200	LIFE	**	5	\$300	
		Corroded, Extent : Moderate, Area Affected : 100%							
		Location : Water Meter Room							
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2045	**	1	\$5,500	
	Generators								
	Diesel	100%			2041	**	1	\$7,000	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Side Yard							
		Explanation : Emergency Generator Rated At 80 Kilovolt Amperes.							
	Batteries								
	Lead/Acid	100%			2026	\$2,400	5	\$700	
	Fuel Storage								
	Main Tank	100%			2060	**	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Side Yard							
		Explanation : 60 Gallons Rated Capacity							
Lighting									
	Interior Lighting								
	Fluorescent	100%			2037	**	10	\$16,500	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Throughout The Building							
		Explanation : T-8 Lamps							
	Egress Lighting								
	Emergency, Service	50%			2037	**	1		
	Exit, LED	50%			2060	**	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. 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	

Lighting

Exterior Lighting

HID

30%

2037

* *

10

No Component

70%

Lightning Protection

Arresters/Cabling

Generic

100%

2060

* *

5

\$300

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

Heating

Energy Source

Natural Gas

100%

2052

* *

1

Conversion Equipment

Furnace

15%

2040

* *

1

\$1,300

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Roof**Explanation : 2 Rooftop Package Units*

Furnace

25%

2032

\$13,700

1

\$2,200

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Roof**Explanation : 4 Rooftop Units*

Hot Water Boiler

60%

2045

* *

1

\$5,300

*Other Observation, Extent : N/A, Area Affected : 100%**Location : 1st Floor Boiler Room**Explanation : 1 Unit*

Distribution

Hot Wtr Piping/Pump

60%

2048

* *

4

\$500

No Component

40%

Terminal Devices

Air Handler

15%

2032

\$49,700

1

\$1,700

Convactor/Radiator

15%

2037

* *

1

\$900

Unit Heater - Steam

30%

2032

\$30,000

4

\$500

No Component

40%

Air Conditioning

Energy Source

Electricity

100%

2048

* *

1

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
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
Air Conditioning									
	Conversion Equipment								
	Reciprocating Compr/Chiller	20%			2032	\$51,900	1	\$1,700	
		R-22 Refrigerant, Extent : Light, Area Affected : 100% Location : 2nd Floor Mechanical Room							
	Ext Pkg Unit - Heating/Cooling	25%			2032	\$73,900	2	\$300	
		R-22 Refrigerant, Extent : Light, Area Affected : 100% Location : 4 Rooftop Package Units							
	Ext Pkg Unit - Heating/Cooling	15%			2040	* *	2	\$200	
		Other Observation, Extent : N/A, Area Affected : 100% Location : Roof Explanation : 2 Units. R-410a							
	No Component	40%							
Terminal Devices									
	Air Handler/Dir Expansion	20%			2032	\$40,500	1		
	No Component	80%							
Heat Rejection									
	Air Cooled Condenser Unit	20%			2032	\$6,100	2	\$2,500	
	No Component	80%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	70%			LIFE	* *	2-5	\$7,000	
	No Component	30%							
	Exhaust Fans								
	Interior	15%			2032	\$11,700	2	\$100	
	Roof	50%			2032	\$17,100	2	\$300	
	No Component	35%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2052	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2030	\$16,700	2		
		Other Observation, Extent : N/A, Area Affected : 100% Location : Boiler Room Explanation : Two 100 Gallon Units							
	Sanitary Piping								
	Cast Iron	100%	0-2	\$4,400	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 10% Location : Apparatus Floor, Kitchen And 2nd Floor Bathroom							
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Backflow Preventer								
	Generic	100%			2032	\$7,900	1	\$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. 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									
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	99%							
	Generic	1%			2025	\$200	1-3	\$800	
		Other Observation, Extent : N/A, 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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 31-Aug-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 16127 **Lot** : 1 **BIN** : 4439014

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$363,100	
Interior Architecture	\$509,600	\$195,900
Electrical		\$127,000
Mechanical		\$244,600
Site Pavements	\$168,300	
Total	\$1,041,000	\$567,500
Importance Code A	\$363,100	\$63,500
Importance Code B	\$316,600	\$504,000
Importance Code C	\$361,400	
Total	\$1,041,000	\$567,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$47,100		\$3,400	
Interior Architecture	\$95,700		\$900	\$900
Electrical	\$1,100	\$800	\$3,200	\$900
Mechanical	\$19,500	\$5,700	\$6,100	\$10,600
Site Pavements	\$58,700			
Total	\$222,100	\$6,500	\$13,600	\$12,400
Importance Code A	\$48,300	\$1,200	\$4,600	\$1,200
Importance Code B	\$109,500	\$5,300	\$9,000	\$11,200
Importance Code C	\$64,300			
Total	\$222,100	\$6,500	\$13,600	\$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. 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	\$55,800	LIFE	* *	5	\$6,900	
	Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%								
	Location : South Facade								
	Spalling, Extent : Moderate, Area Affected : 10%								
	Location : East, West And North Sides								
	Water Penetration, Extent : Severe, Area Affected : 15%								
	Location : East, West And North Sides								
	Masonry: Granite	5%			LIFE	* *	5	\$2,100	
	Masonry: Limestone	5%			LIFE	* *	5	\$2,100	
	Staining/Discoloring, Extent : Light, Area Affected : 2%								
	Location : Underside Of Cornice At Front Facade								
	Metal Sect. OHD	8%			2039	* *	5	\$6,900	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Main Garage Doors								
	Explanation : Location Noted								
	Metal Coiling Doors	2%			2047	* *	5	\$1,700	
	Corrosion/Rusting, Extent : Light, Area Affected : 20%								
	Location : Rear Garage Door								
	Stucco Cement	55%	Now	\$253,400	2047	* *	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								
Windows									
	Aluminum	100%	Now	\$14,200	2050	* *	5	\$1,500	
	Glazing Broken/Cracked, Extent : Light, Area Affected : 1%								
	Location : 3rd Floor South Facade								
	Hardware Missing, Extent : Severe, Area Affected : 10%								
	Location : Throughout								
	Water Penetration, Extent : Moderate, Area Affected : 15%								
	Location : Stairs								
	Weather Strip Missing, Extent : Severe, Area Affected : 40%								
	Location : Throughout								
Parapets									
	Masonry: Limestone	10%	Now	\$900	LIFE	* *	5	\$500	
	Worn/Eroded, Extent : Moderate, Area Affected : 10%								
	Location : Coping Stones								
	Metal Panel	35%	Now	\$30,000	2054	* *	5	\$2,400	1
	Broken/Missing Elements, Extent : Severe, Area Affected : 30%								
	Location : Main Roof								
	Loose Units, Extent : Severe, Area Affected : 15%								
	Location : Main Roof								
	Seams Open/Split, Extent : Severe, Area Affected : 30%								
	Location : Main Roof								
	Stucco Cement	55%			2047	* *	5	\$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. 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								
Roof								
Modified Bitumen	100%	Now	\$53,900	2039		**		
	Miss/Damaged Flashings, Extent : Moderate, Area Affected : 2%							
	Location : 2nd Floor Roof							
	Ponding, Extent : Light, Area Affected : 5%							
	Location : Third Floor Roof							
	Water Penetration, Extent : Severe, Area Affected : 10%							
	Location : Throughout 2nd And 3rd Floors							
Interior								
Floors								
Cast in Place Concrete	25%	4+	\$37,200	LIFE		**	5	\$9,800
	Broken/Missing Elements, Extent : Severe, Area Affected : 5%							
	Location : Basement							
	Cracking/Crumbling, Extent : Severe, Area Affected : 25%							
	Location : Basement							
	Other Observation, Extent : Severe, Area Affected : 2%							
	Location : Basement							
	Explanation : Exposed Rebars							
Ceramic Tile	10%			2037		**	5	\$1,800
Poured Epoxy/Resin	20%	2-4	\$3,900	2032	\$195,900			
	Cracking/Crumbling, Extent : Light, Area Affected : 2%							
	Location : Garage Area							
Quarry Tile	5%	4+	\$1,300	2039		**	5	\$700
	Worn/Eroded, Extent : Moderate, Area Affected : 100%							
	Location : Kitchen							
Vinyl Tile	40%	Now	\$77,300	2039		**	3	\$2,700
	Broken/Missing Elements, Extent : Severe, Area Affected : 15%							
	Location : Dining Area							
	Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 15%							
	Location : Throughout							
	Worn/Eroded, Extent : Severe, Area Affected : 75%							
	Location : Throughout							

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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									
Interior Walls									
	Ceramic Tile	10%	Now	\$13,200	2047	* *	5	\$1,200	
	Broken/Missing Elements, Extent : Severe, Area Affected : 15%								
	Location : Kitchen And Toilets								
	Masonry: Brick	5%	4+	\$11,400	LIFE	* *			
	Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
	Location : Basement								
	Plaster	55%	Now	\$193,000	LIFE	* *	5	\$4,100	
	Cracking/Crumbling, Extent : Severe, Area Affected : 40%								
	Location : Throughout								
	Paint Peeling, Extent : Severe, Area Affected : 60%								
	Location : Throughout								
	Water Penetration, Extent : Severe, Area Affected : 40%								
	Location : Throughout								
	SGFT/Glazed Masonry	30%	Now	\$13,000	LIFE	* *			
	Broken/Missing Elements, Extent : Severe, Area Affected : 2%								
	Location : Garage Area								
	Worn/Eroded, Extent : Severe, Area Affected : 15%								
	Location : Garage Area								
Ceilings									
	AcousTileSusp.Lay-In	5%	Now	\$14,500	2054	* *	5	\$400	
	Misaligned/Bulging, Extent : Severe, Area Affected : 10%								
	Location : Kitchen								
	Staining/Discoloring, Extent : Severe, Area Affected : 50%								
	Location : Kitchen								
	Worn/Eroded, Extent : Moderate, Area Affected : 100%								
	Location : Kitchen								
	Metal Panel	5%			LIFE	* *	5	\$2,200	
	Plaster	90%	Now	\$239,300	LIFE	* *	5	\$10,100	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 30%								
	Location : Throughout								
	Cracking/Crumbling, Extent : Severe, Area Affected : 40%								
	Location : Throughout								
	Paint Peeling, Extent : Moderate, Area Affected : 50%								
	Location : Throughout								
	Water Penetration, Extent : Severe, Area Affected : 30%								
	Location : 2nd And 3rd Floor								
Site Enclosure									
	Fence/Gates								
	Chain Link	100%			2054	* *			
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%	Now	\$32,000	2054	* *			
	Cracking/Crumbling, Extent : Severe, Area Affected : 50%								
	Location : Disota Road								

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. 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	

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%	Now	\$26,700	2054	* *			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Side Yard</i>								

Parking/Driveway

Asphalt	70%	Now	\$106,100	2049	* *			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 80%</i>								
<i>Location : Rear Parking Area</i>								

Cast in Place Concrete	30%	Now	\$62,200	2054	* *			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 90%</i>								
<i>Location : Rear Parking Area</i>								

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

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2034	\$63,500	5		\$300	
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>									
<i>Location : First Floor</i>									
<i>Explanation : Approximately 250 Ampere Main Disconnect Switch</i>									

Switchgear / Switchboard

Molded Case Bkrs	100%			2034	\$63,500	5		\$300	
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Raceway

Conduit	60%			2034	\$21,600	1			
Conduit	40%			2054	* *	1			

Panelboards

Molded Case Bkrs	50%			2050	* *	5		\$200	
Molded Case Bkrs	50%			2033	\$24,200	5		\$200	

Wiring

Thermoplastic	40%			2054	* *	1			
Thermoplastic	60%			2034	\$19,500	1			

Motor Controllers

Locally Mounted	100%			2039	* *	5		\$100	
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Ground

Grounding Devices

Not Accessible	100%								
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Stand-by Power

Transfer Switches

Automatic	100%			2039	* *	1		\$3,700	
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Generators

Diesel	100%			2037	* *	1		\$4,600	
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Backyard**Explanation : 80 Kilovolt ampere Nameplate Rating Capacity*

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. 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	

Stand-by Power

Batteries

Lead/Acid	100%			2027		\$2,400	5	\$400	
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Fuel Storage

Main Tank	100%			2049		* *	5		
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Backyard

Explanation : 60 Gallons Nameplate Rating Capacity

Lighting

Interior Lighting

LED	100%			2039		* *			
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Exterior Lighting

HID	19%			2034		\$10,400	10		
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LED	1%			2042		* *			
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No Component	80%								
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Mechanical		Current Repair			Future 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%			2044		* *	1		
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Conversion Equipment

Steam Boiler	100%			2047		* *	1	\$11,800	
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Distribution

Steam Piping/Pump	10%			2054		* *			
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Other Observation, Extent : N/A, Area Affected : 100%

Location : 2nd Floor Captain Office

Explanation : There Is Only One Thermostat In The Building

Steam Piping/Pump	90%			2034		\$84,200			
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Terminal Devices

Convactor/Radiator	100%			2032		\$95,500	1	\$3,900	
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Abandoned in Place, Extent : Light, Area Affected : 10%

Location : Radiators By Front Doors On 1st Floor

Controls

Electrical	100%			2029		\$64,900			
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Air Conditioning

Energy Source

Electricity	80%			2042		* *	1		
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No Component	20%								
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Conversion Equipment

Split Unit	5%			2034		\$13,900			
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Window/Wall Unit	75%			2029		\$33,200	1		
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Other Observation, Extent : Moderate, Area Affected : 5%

Location : Lunch Room

Explanation : Too Hot In Lunch Room, One More Unit Needed.

No Component	20%								
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*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057

ENGINE CO. 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%			2035	**			
Ventilation								
Exhaust Fans								
Roof	10%			2029	\$2,300	2		
Wall Unit	25%	Now	\$1,300	2044	**	2	\$100	
Broken, Extent : Severe, Area Affected : 100%								
Location : 1st Floor								
Other Observation, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Floor And Kitchen								
Explanation : 3 Old Units								
No Component	65%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2044	**	1		
Not Insulated, Extent : Light, Area Affected : 100%								
Location : Basement								
Water Heater With Tanks								
Electric	20%	Now	\$200	2032	\$9,200	4		
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Roof								
Explanation : Solar Heater Malfunctioning								
Gas Fired	80%			2029	\$26,700	2		
Other Observation, Extent : N/A, Area Affected : 100%								
Location : Basement								
Explanation : Two 75 Gallon Units								
Sanitary Piping								
Cast Iron	100%	0-2	\$7,400	LIFE	**	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
Location : 1st Floor East Side Of The Building								
Broken, Extent : Severe, Area Affected : 10%								
Location : 3rd Floor Bathroom								
Storm Drain Piping								
Cast Iron	100%			LIFE	**	1		
Sump Pump(s)								
Submersible	100%			2027	\$400	4	\$400	
Fixtures								
Generic	100%							
Obsolete Fixtures, Extent : Moderate, Area Affected : 10%								
Location : 3rd Floor Restroom								
Fire Suppression								
Chemical System								
Generic	100%			2029	\$12,000	1-3	\$60,700	
Other Observation, Extent : N/A, Area Affected : 100%								
Location : Kitchen								
Explanation : 15 Square Foot Hood								

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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. 266
Asset # : 13155

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 16-Mar-2023 Landmark Status : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3281 Lot : 22 BIN : 3074885

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$559,300	
Interior Architecture	\$1,542,000	\$152,900
Mechanical	\$78,100	\$215,900
Total	\$2,179,400	\$368,800
Importance Code A	\$559,300	
Importance Code B	\$1,620,100	\$368,800
Total	\$2,179,400	\$368,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$144,300	\$2,400		
Interior Architecture	\$118,600			\$600
Electrical	\$2,000	\$1,400	\$1,400	\$4,000
Mechanical	\$35,200	\$7,100	\$24,700	\$13,600
Site Enclosure	\$4,400			
Site Pavements	\$4,600			
Total	\$309,100	\$10,900	\$26,200	\$18,300
Importance Code A	\$145,600	\$3,700	\$1,200	\$1,200
Importance Code B	\$63,000	\$7,300	\$24,900	\$17,000
Importance Code C	\$100,600			
Total	\$309,100	\$10,900	\$26,200	\$18,300



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. 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	67%	Now	\$366,800	LIFE	* *	5	\$20,800	
		Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 15%							
		Location : Throughout							
		Water Penetration, Extent : Moderate, Area Affected : 10%							
		Location : Around Windows							
		Worn/Eroded, Extent : Moderate, Area Affected : 25%							
		Location : Throughout							
	Masonry: Granite	5%	2-4	\$13,100	LIFE	* *	5	\$1,200	
		Broken/Missing Elements, Extent : Light, Area Affected : 20%							
		Location : Front Facade At Grade Level							
	Masonry: Limestone	15%			LIFE	* *	5	\$7,000	
	Metal Panel	3%	Now	\$66,100	2064	* *	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							
		Water Penetration, Extent : Moderate, Area Affected : 10%							
		Location : Hose Tower							
	Metal Sect. OHD	5%			2051	* *	5	\$4,800	
	Stucco Cement	5%	Now	\$18,800	2039	* *	5	\$1,900	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 25%							
		Location : Front Facade At Roof And Parapet Level							
Windows									
	Aluminum	100%	Now	\$21,700	2042	* *	5	\$1,100	
		Broken/Missing Elements, Extent : Moderate, Area Affected : 10%							
		Location : Throughout							
		Ctrwt/Balnc Not Funct, Extent : Light, Area Affected : 20%							
		Location : 3rd Floor							
		Glazing Broken/Cracked, Extent : Moderate, Area Affected : 2%							
		Location : Toilet Room Third 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. 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									
	Parapets								
	Cast Stone/Terra Cotta	15%			LIFE	* *	5-10	\$8,100	
	Masonry: Brick	80%	Now	\$41,500	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 Facade, West Parapet Spalling, Extent : Moderate, Area Affected : 40% Location : Throughout							
	Pre-Cast Concrete	5%	Now	\$1,700	LIFE	* *	5	\$600	
		Broken/Missing Elements, Extent : Light, Area Affected : 20% Location : Located At Front Facade. Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50% Location : Located At Front Facade. Worn/Eroded, Extent : Moderate, Area Affected : 20% Location : Located At Front Facade.							
Roof									
	Built-Up (BUR)	80%	Now	\$126,400	2044	* *			
		Blisters, Extent : Severe, Area Affected : 40% Location : Throughout Water Penetration, Extent : Moderate, Area Affected : 20% Location : 3rd Floor Worn/Eroded, Extent : Moderate, Area Affected : 25% Location : Roof							
	Modified Bitumen	10%			2039	* *	10	\$1,300	
	Skylight, Metal/Glass	10%	Now	\$38,000	2044	* *			
		Corrosion/Rusting, Extent : Moderate, Area Affected : 50% Location : Main Roof And Stair Bulkhead Water Penetration, Extent : Moderate, Area Affected : 10% Location : 3rd Floor							
Soffits									
	Wood	100%			2039	* *	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.
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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									
Floors									
Cast in Place Concrete	45%	Now	\$706,200	LIFE	**	5	\$16,900		
Cracking/Crumbling, Extent : Light, Area Affected : 5%									
Location : Apparatus Floor And Basement.									
Other Observation, Extent : Severe, Area Affected : 100%									
Location : Apparatus Floor									
Explanation : Temporary Support Columns Support Apparatus Floor									
Ceramic Tile	5%	Now	\$2,600	2037	**	5	\$400		
Broken/Missing Elements, Extent : Light, Area Affected : 5%									
Location : 2nd Floor Laundry Room And Bathroom									
Quarry Tile	5%			2039	**	5	\$1,300		
Vinyl Tile	30%	Now	\$61,200	2034	\$152,900	3	\$1,900		
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%									
Location : 2nd And 3rd Floors									
Worn/Eroded, Extent : Moderate, Area Affected : 50%									
Location : 2nd And 3rd Floors									
Wood	15%	Now	\$16,500	2037	**	5	\$2,400		
Worn/Eroded, Extent : Moderate, Area Affected : 20%									
Location : 3rd Floor									
Interior Walls									
Ceramic Tile	5%	Now	\$3,500	2037	**	5	\$600		
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%									
Location : Apparatus Room And Stair									
Gypsum Board	10%			LIFE	**	5-10	\$4,000		
Masonry: Brick	20%	Now	\$48,300	LIFE	**				
Water Penetration, Extent : Moderate, Area Affected : 15%									
Location : Basement Foundation Wall									
Granite Panels	1%			LIFE	**	10	\$100		
Plaster	34%	Now	\$21,000	LIFE	**	5	\$2,400		
Broken/Missing Elements, Extent : Light, Area Affected : 5%									
Location : 2nd Floor Bunk Room And Bathroom									
Water Penetration, Extent : Moderate, Area Affected : 20%									
Location : Around Windows									
SGFT/Glazed Masonry	25%	Now	\$11,400	LIFE	**				
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%									
Location : Apparatus Floor									
Wood	5%			LIFE	**	5	\$9,500		

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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									
Ceilings									
	AcousTileSusp.Lay-In	10%	Now	\$600	2039	* *	5	\$900	
		Broken/Missing Elements, Extent : Light, Area Affected : 10%							
		Location : 1st And 2nd Floors							
		Staining/Discoloring, Extent : Light, Area Affected : 5%							
		Location : 1st And 2nd Floors							
	Embossed Metal	35%	Now	\$3,900	LIFE	* *	5	\$2,700	
		Broken/Missing Elements, Extent : Light, Area Affected : 2%							
		Location : Throughout 1st Floor							
		Paint Peeling, Extent : Light, Area Affected : 15%							
		Location : Throughout							
	Exposed Struc: Concrete	20%	Now	\$552,900	LIFE	* *	5	\$500	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 25%							
		Location : Throughout Basement							
		Exposed Reinforcement, Extent : Severe, Area Affected : 20%							
		Location : Throughout Basement And Beams Exposed							
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Throughout Basement							
		Explanation : Temporary Support Columns Installed							
	Exposed Struc: Steel	5%	Now	\$221,700	LIFE	* *			
		Corrosion/Rusting, Extent : Moderate, Area Affected : 20%							
		Location : Throughout Basement							
		Other Observation, Extent : Severe, Area Affected : 100%							
		Location : Throughout Basement							
		Explanation : Temporary Support Columns Installed							
	Plaster	30%	Now	\$3,400	LIFE	* *	5	\$3,200	
		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%	Now	\$500	2044	* *			
		Broken/Missing Elements, Extent : Moderate, Area Affected : 5%							
		Location : Gate Hinge							
		Corrosion/Rusting, Extent : Moderate, Area Affected : 20%							
		Location : Side Yard							
Free Standing Walls									
	Concrete Masonry Unit	100%	Now	\$3,800	2044	* *			
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : Rear Property Line							
Retaining Walls									
	Cast in Place Concrete	100%			2054	* *			
Site Pavements									
Public Sidewalk									
	Cast in Place Concrete	100%			2047	* *			

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FIRE DEPARTMENT - 057
ENGINE CO. 271/LADDER CO. 124
Asset # : 13158

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

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%			2047	**		
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Parking/Driveway

Asphalt	90%	Now	\$4,600	2037	**		
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*Cracking/Crumbling, Extent : Light, Area Affected : 10%**Location : Driveway**Potholes, Extent : Light, Area Affected : 5%**Location : Driveway*

Cast in Place Concrete	10%			2047	**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2054	**	5	\$100
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Switchgear / Switchboard

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

Conduit	100%			2044	**	1	
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Panelboards

Fused Disc Sw	10%			2050	**	5	
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Molded Case Bkrs	90%			2050	**	5	\$300
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Wiring

Thermoplastic	100%			2044	**	1	
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Motor Controllers

Locally Mounted	100%			2032	\$19,500	5	\$100
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Ground

Grounding Devices

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

Transfer Switches

Automatic	100%			2047	**	1	\$4,000
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Generators

Diesel	100%			2043	**	1	\$5,100
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside Yard**Explanation : 75 Kilovolt Amperes, 60 Kilowatt*

Batteries

Lead/Acid	100%			2028	\$2,600	5	\$500
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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									
	Fuel Storage								
	Day Tank	50%			2050	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Outside							
		Explanation : 130 Gallon							
	Main Tank	50%			2062	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : 550 Gallon							
Lighting									
	Interior Lighting								
	LED	100%			2042	* *			
	Egress Lighting								
	Emergency, Service	100%			2042	* *	1		
	Exterior Lighting								
	LED	20%			2042	* *			
	No Component	80%							
Alarm									
	Security System								
	Generic	100%			2042	* *	1	\$4,900	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Exterior Only							
		Explanation : Cameras Security 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%			2044	* *	1		
	Conversion Equipment								
	Furnace	10%			2034	\$4,400	1	\$700	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Apparatus Floor							
		Explanation : Gasoline Fired Modine Heater							
	Steam Boiler	90%			2039	* *	1	\$11,700	
Distribution									
	Steam Piping/Pump	10%	0-2	\$600	2034	\$11,300			
		Insul. Deteriorating, Extent : Moderate, Area Affected : 20%							
		Location : Basement							
	Steam Piping/Pump	90%			2034	\$101,300			
Terminal Devices									
	Convactor/Radiator	90%	Now	\$2,100	2032	\$103,400	1	\$3,400	
		Controller Not Working, Extent : Moderate, Area Affected : 20%							
		Location : Radiator Controls Are Not Working, Various Locations							
	No Component	10%							

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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									
	Controls								
	Electrical	100%			2027	\$78,100			
				Other Observation, Extent : Light, Area Affected : 100%					
				Location : Throughout					
				Explanation : There Is Only One Temperature Controller For Both Side Of The Building.					
				More Zone Controllers Needed.					
Air Conditioning									
	Energy Source								
	Electricity	100%			2042	* *	1		
	Conversion Equipment								
	Window/Wall Unit	60%	Now	\$16,000	2032	\$31,900	1		
				Not Energy Efficient, Extent : Severe, Area Affected : 80%					
				Location : Various Locations					
				On Extended Life, Extent : Moderate, Area Affected : 80%					
				Location : Various Locations					
	No Component	40%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	10%			LIFE	* *	2-5	\$1,200	
	No Component	90%							
	Exhaust Fans								
	Interior	10%	Now	\$600	2029	\$6,200	2		
				Not in Service, Extent : Moderate, Area Affected : 50%					
				Location : One Unit, 2nd Floor Captains Bathroom					
	Roof	10%			2034	\$2,700	2		
	Wall Unit	15%	0-2	\$900	2044	* *	2		
				Other Observation, Extent : Moderate, Area Affected : 100%					
				Location : Apparatus Floor					
				Explanation : One Extended Life Time Wall Unit					
	No Component	65%							
				Other Observation, Extent : N/A, Area Affected : 0%					
				Location :					
				Explanation : Most The Bathrooms Have No Exhaust Fan.					
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2044	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2033	\$36,600	2		
				Other Observation, Extent : N/A, Area Affected : 100%					
				Location : Basement					
				Explanation : Two 75 Gallon Units					
	Sanitary Piping								
	Cast Iron	10%	Now	\$900	LIFE	* *	1		
				Blockage /Clogged, Extent : Severe, Area Affected : 20%					
				Location : Bathroom Of Chiefs Office.					
	Cast Iron	90%			LIFE	* *	1		

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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
Plumbing									
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%			2025	\$400	4	\$400	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2027	\$17,500	1-3	\$80,900	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Kitchen							
		Explanation : Covers 20 Square Feet							

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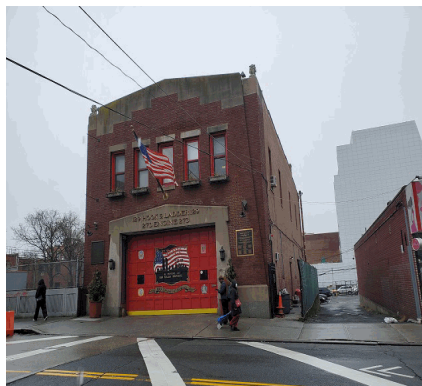
Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$84,400	
Interior Architecture	\$135,500	
Total	\$220,000	
Importance Code A	\$84,400	
Importance Code B	\$135,500	
Total	\$220,000	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$33,100	\$12,700		
Interior Architecture	\$8,700		\$300	
Electrical		\$2,600		
Mechanical	\$2,700	\$4,900	\$900	\$900
Site Enclosure	\$5,300			
Site Pavements	\$18,300			
Total	\$68,100	\$20,200	\$1,200	\$900
Importance Code A	\$33,700	\$13,300	\$500	\$500
Importance Code B	\$13,000	\$6,900	\$600	\$300
Importance Code C	\$21,400			
Total	\$68,100	\$20,200	\$1,200	\$900



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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+	\$12,500	LIFE	* *	5	\$2,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%									
Location : Along Railroad									
	Cast in Place Concrete	4%			LIFE	* *	5	\$3,600	
	Masonry: Brick	74%			LIFE	* *	5	\$13,200	
Painted Surfaces, Extent : Moderate, Area Affected : 50%									
Location : North And West Façade									
	Masonry: Granite	1%			LIFE	* *	5	\$100	
	Masonry: Limestone	9%	4+	\$12,400	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	\$84,400	2039	* *	5	\$900	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%									
Location : Throughout									
Parapets									
	Masonry: Brick	75%	4+	\$4,200	LIFE	* *	5	\$1,700	
Efflorescence, Extent : Light, Area Affected : 50%									
Location : Throughout Parapet									
	Masonry: Limestone	15%	2-4	\$4,100	LIFE	* *	5	\$400	
Cracking/Crumbling, Extent : Light, Area Affected : 1%									
Location : Parapete 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	\$1,400	
Roof									
	Modified Bitumen	100%			2036	* *	10	\$8,700	
Ponding, Extent : Light, Area Affected : 5%									
Location : Roof By HVAC Unit									
Recent Installation, Extent : N/A, Area Affected : 100%									
Location : Roof									
Interior									
Floors									
	Cast in Place Concrete	60%	2-4	\$8,200	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	

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 273/LADDER CO. 129
Asset # : 13159

Architecture		Current Repair			Future Replacement		Maintenance		
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	\$1,100		
Masonry: Brick	14%			LIFE	**				
Plaster	45%			LIFE	**	5	\$1,600		
SGFT/Glazed Masonry	20%			LIFE	**				
Wood	2%			LIFE	**	5	\$900		
Ceilings									
AcousTileSusp.Lay-In	5%			2044	**	5	\$500		
Exposed Struc: Concrete	50%	Now	\$135,500	LIFE	**	5	\$700		
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	\$2,600		
Site Enclosure									
Fence/Gates									
Chain Link	100%	4+	\$2,900	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	\$2,400	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	\$18,300	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

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 273/LADDER CO. 129
Asset # : 13159

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% 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	\$18,000	1		
	Conduit	50%			2041	* *	1		
	Panelboards								
	Fused Disc Sw	10%			2030	\$4,800	5		
	Molded Case Bkrs	30%			2030	\$14,500	5		
	Molded Case Bkrs	50%			2039	* *	5	\$100	
	Molded Case Bkrs	10%			2053	* *	5		
	Wiring								
	Thermoplastic	50%			2031	\$16,300	1		
	Thermoplastic	50%			2041	* *	1		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Lighting									
	Interior Lighting								
	Fluorescent	45%			2031	\$21,000	10	\$2,300	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : 1st Floor							
		Explanation : T-8 Lamps							
	Fluorescent	5%			2026	\$2,300	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	\$6,300	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	\$43,100			
	Terminal Devices								
	Convactor/Radiator	100%			2029	\$44,000	1	\$1,800	
Air Conditioning									
	Energy Source								
	Electricity	100%			2039	**	1		
	Conversion Equipment								
	Exterior Pkg Unit - Cooling	40%			2036	**	2	\$100	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Roof							
		Explanation : 2 Units. R-410a Refrigerant							
	Window/Wall Unit	20%			2026	\$4,100	1		
	No Component	40%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	20%			LIFE	**	2-5	\$600	
	No Component	80%							
	Exhaust Fans								
	Roof	20%			2039	**	2		
	Wall Unit	15%			2031	\$300	2		
	No Component	65%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2041	**	1		
	Water Heater With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon Units							
	Sanitary Piping								
	Cast Iron	100%	0-2	\$1,400	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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** 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

Mechanical		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	2025	\$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%			2025	\$200	1-3	\$800	

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$102,300	
Electrical		\$99,500
Total	\$102,300	\$99,500
Importance Code A	\$102,300	
Importance Code B		\$99,500
Total	\$102,300	\$99,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$95,700			
Interior Architecture	\$62,300	\$500		\$400
Electrical	\$15,600	\$600	\$500	\$500
Mechanical	\$9,000	\$26,700	\$900	\$800
Site Enclosure	\$100			
Site Pavements	\$28,400			
Total	\$211,100	\$27,700	\$1,400	\$1,600
Importance Code A	\$96,300	\$600	\$600	\$600
Importance Code B	\$80,800	\$27,100	\$800	\$1,000
Importance Code C	\$34,100			
Total	\$211,100	\$27,700	\$1,400	\$1,600



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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. 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	\$102,300	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 : N/A, Area Affected : 1%							
		Location : South Facade							
		Explanation : Crack Monitoring Installed							
	Masonry: Granite	3%			LIFE	**	5	\$400	
	Masonry: Limestone	10%	2-4	\$25,400	LIFE	**	5	\$1,200	
		Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%							
		Location : East Facade							
	Wood Overhead Doors	10%	Now	\$46,300	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	\$19,200	2056	**	5	\$200	
		Broken/Missing Elements, Extent : Severe, Area Affected : 10%							
		Location : Second Floor							
		Cttrwt/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	\$4,700	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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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	\$8,300	
	Cast in Place Concrete	15%			LIFE	* *	5	\$3,100	
	Ceramic Tile	5%			2040	* *	5	\$500	
	Quarry Tile	5%			2044	* *	5	\$700	
	Vinyl Tile	30%	2-4	\$23,000	2041	* *	3	\$1,100	
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	\$4,300	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 : N/A, Area Affected : 1%									
Location : Stairwell									
Explanation : Crack Monitors Installed In Stairwell									
	SGFT/Glazed Masonry	25%	4+	\$1,100	LIFE	* *			
Broken/Missing Elements, Extent : Light, Area Affected : 1%									
Location : Apparatus Floor									
Ceilings									
	AcousTileSusp.Lay-In	10%			2036	* *	5	\$900	
	Exposed Struc: Concrete	30%			LIFE	* *	5	\$400	
	Exposed Struc: Steel	20%	2-4	\$22,300	LIFE	* *			
Corrosion/Rusting, Extent : Moderate, Area Affected : 5%									
Location : Basement									
	Plaster	40%	Now	\$11,300	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

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** 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 : N/A, Area Affected : 0%**Location : South Side Neighbor**Explanation : South Neighbor Has Installed Wood Construction Fence*

Site Pavements

Public Sidewalk

Cast in Place Concrete

100% 2036 * *

On-Site Walkways

Cast in Place Concrete

100% Now \$28,400 2044 * *

*Broken/Missing Elements, Extent : Moderate, Area Affected : 10%**Location : Backyard**Cracking/Crumbling, Extent : Light, Area Affected : 10%**Location : Backyard**Misaligned/Bulging, Extent : Severe, Area Affected : 10%**Location : Railroad Side**Other Observation, Extent : Severe, Area Affected : 10%**Location : East, South And North Metal Hatches To Basement Failed**Explanation : Leaks Into Basement*

Electrical		Current Repair		Future Replacement		Maintenance		
System Component Type	% 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 : N/A, 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

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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	\$99,500	1	\$2,400	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Outside							
		Explanation : Emergency Generator Rated At 80 Kilovolt-amperes.							
	Batteries								
	Lead/Acid	100%			2025	\$2,400	5	\$200	
	Fuel Storage								
	Main Tank	100%			2046	* *	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Outside							
		Explanation : 60 Gallons Rated Capacity							
Lighting									
	Interior Lighting								
	Fluorescent	80%			2031	\$42,100	10	\$4,600	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement, 1st Floor							
		Explanation : T-8 Lamps							
	LED	20%			2031	\$15,000			
	Egress Lighting								
	Emergency, Service	100%			2031	\$3,700	1		
	Exterior Lighting								
	Fluorescent	10%	Now	\$2,400	2041	* *			
		Other Observation, Extent : Severe, Area Affected : 100%							
		Location : Front Of The Building							
		Explanation : Compact Fluorescent Lights. Not Functional							
	HID	20%			2031	\$5,700	10		
	No Component	70%							
Alarm									
	Security System								
	No Component	80%							
	Generic	20%			2031	\$2,300	1	\$500	
		Other Observation, Extent : N/A, 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

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** 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	\$1,000	2041	**			
		Other Observation, Extent : Moderate, Area Affected : 20%							
		Location : 2nd Floor							
		Explanation : 2nd Floor Is Too Cold.							
	Terminal Devices								
	Convactor/Radiator	100%			2036	**	1	\$2,000	
Air Conditioning									
	Energy Source								
	Electricity	100%			2039	**	1		
	Conversion Equipment								
	Window/Wall Unit	40%	0-2	\$3,700	2026	\$9,200	1		
		Not Energy Efficient, Extent : Moderate, Area Affected : 60%							
		Location : Various Locations							
	No Component	60%							
Ventilation									
	Exhaust Fans								
	Wall Unit	20%	0-2	\$500	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 With Tanks								
	Gas Fired	100%			2026	\$16,700	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon Units							
	Sanitary Piping								
	Cast Iron	20%	Now	\$3,100	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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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. 274
Asset # : 13160

Mechanical		Current Repair		Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
	Sump Pump(s)							
	Non-Submersible	100%		2031	\$1,200	4	\$100	
Fixtures								
	Generic	100%						

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture		\$97,100
Interior Architecture		\$99,500
Total		\$196,600
Importance Code A		\$97,100
Importance Code B		\$99,500
Total		\$196,600

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$79,200	\$400		\$200
Interior Architecture	\$29,800		\$300	\$100
Electrical	\$400	\$5,900	\$500	\$400
Mechanical	\$20,000	\$1,000	\$2,200	\$1,000
Site Pavements	\$4,900			
Total	\$134,300	\$7,200	\$3,000	\$1,800
Importance Code A	\$79,500	\$700	\$300	\$500
Importance Code B	\$38,600	\$6,600	\$2,700	\$1,300
Importance Code C	\$16,200			
Total	\$134,300	\$7,200	\$3,000	\$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. 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 : N/A, Area Affected : 100%									
Location : Front Facade									
Windows									
	Aluminum	100%			2053	* *	5	\$400	
Recent Replace Evident, Extent : N/A, Area Affected : 100%									
Location : Throughout									
Parapets									
	Masonry: Brick	90%	0-2	\$4,200	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	\$48,500	2031	\$97,100			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	\$11,300	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	\$75,000	5	\$1,400	
	Granite Panels	15%			LIFE	* *	5	\$1,000	
	Vinyl Tile	30%			2036	* *	3	\$1,000	
	Vinyl Tile	10%	Now	\$500	2031	\$24,500	3	\$300	
Broken/Missing Elements, Extent : Severe, Area Affected : 20%									
Location : 2nd Floor Bunker Room, Lockers, Weight Room									

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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+	\$8,600	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	\$31,100	5	\$600	
Concrete Masonry Unit	5%			LIFE	* *	5	\$100	
Gypsum Board	10%			LIFE	* *	5	\$300	
Plaster	40%	Now	\$2,700	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	* *			
Wood	5%			LIFE	* *	5	\$1,200	
Ceilings								
AcousTileSusp.Lay-In	10%			2044	* *	5	\$900	
Exposed Struc: Concrete	10%	Now	\$6,600	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	\$4,500	
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+	\$4,900	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 : N/A, Area Affected : 100%							
		Location : Electrical Room Basement							
		Explanation : One 200 Ampere Main Disconnect Switch							
Raceway									
	Conduit	50%			2031	\$18,000	1		
	Conduit	50%			2051	* *	1		
Panelboards									
	Fused Disc Sw	5%			2047	* *	5		
	Molded Case Bkrs	10%			2030	\$4,800	5		
	Molded Case Bkrs	85%			2047	* *	5	\$100	
Wiring									
	Braided Cloth	30%			2030	\$9,800	1		
	Thermoplastic	70%			2051	* *	1		
Motor Controllers									
	Locally Mounted	100%			2044	* *	5		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2048	* *	1	\$1,900	
Generators									
	Diesel	100%			2044	* *	1	\$2,400	
Batteries									
	Lead/Acid	100%			2026	\$2,400	5	\$200	
Fuel Storage									
	Day Tank	50%			2053	* *	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Generator Room Outside							
		Explanation : One 127 Gallons							
	Main Tank	50%			2034	\$37,500	5		
		Other Observation, Extent : N/A, 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	\$5,700		10			
No Component	70%								

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

Heating

Energy Source

Electricity	5%		2051		**	1			
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Other Observation, Extent : Light, Area Affected : 5%

Location : 1st Floor TV Room

Explanation : Hard Wired Electric Heater Serving TV Room

Natural Gas	95%		2051		**	1			
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Conversion Equipment

Hot Water Boiler	100%		2036		**	1		\$3,100	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : One Unit

Distribution

Hot Wtr Piping/Pump	100%		2039		**	4		\$300	
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Terminal Devices

Convactor/Radiator	80%		2036		**	1		\$1,600	
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Unit Heater - Hot Water	20%		2036		**				
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Air Conditioning

Energy Source

Electricity	100%		2039		**	1			
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Conversion Equipment

Split Unit	20%		2031	\$29,300					
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Window/Wall Unit	80%		2025	\$18,700		1			
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Ventilation

Exhaust Fans

Interior	20%		2031	\$5,500		2			
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Other Observation, Extent : Light, Area Affected : 100%

Location : Apparatus Room

Explanation : Blower Fan

Roof	80%		2031	\$9,600		2		\$200	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Roof

Explanation : Two Bathroom Ventilation Units

Plumbing

H/C Water Piping

Galvanized Steel	100%		2044		**	1			
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FIRE DEPARTMENT - 057
ENGINE CO. 275/LADDER CO. 133
Asset # : 13161

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	Water Heater With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
			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%			2025	\$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	\$1,600	1-3	\$8,300	
	No Component	90%							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 276
Address : 1635 EAST 14th STREET
Borough : BROOKLYN
Program / Asset # : FIRSECO.276 / 13162
Area Sq Ft : 13,000
Date of Survey : 15-Jul-2020
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 6777 **Lot** : 64 **BIN** : 3182420
Agency's Number : N/A
Yr Built/Renovated : 1910 /
Project Type : FIRE DEPARTMENT
Landmark Status : NONE

CAPITAL	FY 2025 - 2028		FY 2029 - 2034	
Interior Architecture	\$79,900		\$582,300	
Electrical	\$33,100		\$303,700	
Mechanical			\$106,900	
Total	\$113,000		\$992,800	
Importance Code A			\$63,500	
Importance Code B	\$113,000		\$609,600	
Importance Code C			\$319,800	
Total	\$113,000		\$992,800	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$22,500	\$11,300	\$1,000	
Interior Architecture	\$85,800	\$700		\$1,200
Electrical	\$3,700	\$7,300	\$1,000	\$1,000
Mechanical	\$19,200	\$63,500	\$2,100	\$1,800
Site Pavements	\$1,900			
Total	\$133,100	\$82,700	\$4,100	\$4,000
Importance Code A	\$23,800	\$12,700	\$2,300	\$1,300
Importance Code B	\$84,500	\$70,000	\$1,800	\$2,700
Importance Code C	\$24,800			
Total	\$133,100	\$82,700	\$4,100	\$4,000



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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+	\$13,200	LIFE	* *	5	\$8,200	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 5%							
	Location : Street Facade At Door							
Masonry: Granite	3%	4+	\$4,900	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+	\$2,500	LIFE	* *	5	\$200	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 5%							
	Location : Throughout							
Metal Sect. OHD	10%	4+	\$1,900	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	\$1,000	
Masonry: Limestone	30%			LIFE	* *	5	\$600	
Metal Cornice	10%			2059	* *	10	\$500	
Roof								
Asphalt Shingle	10%			2040	* *	10	\$200	
Metal Panel	5%			2044	* *	10	\$1,000	
Modified Bitumen	85%			2036	* *	10	\$9,400	
Interior								
Floors								
Cast in Place Concrete	44%	Now	\$14,200	LIFE	* *	5	\$18,700	
	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	\$26,200	2031	\$262,500	3	\$3,600	
	Cracking/Crumbling, Extent : Severe, Area Affected : 5%							
	Location : 2nd And 3rd Floor							
	Worn/Eroded, Extent : Moderate, Area Affected : 25%							
	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. 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	\$6,400	2034	\$319,800	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	\$1,400	LIFE	* *	5	\$300	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : Basement							
	Masonry: Brick	10%	0-2	\$13,800	LIFE	* *			
		Cracking/Crumbling, Extent : Moderate, Area Affected : 20%							
		Location : Basement							
		Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%							
		Location : Throughout							
	Plaster	45%	Now	\$3,200	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	\$11,200	LIFE	* *	5	\$4,300	
		Cracking/Crumbling, Extent : Light, Area Affected : 5%							
		Location : Apparatus Floor Ceiling							
	Exposed Struc: Steel	35%	Now	\$79,900	LIFE	* *			
		Water Penetration, Extent : Moderate, Area Affected : 5%							
		Location : Basement Bilco Doors							
	Plaster	30%	Now	\$8,700	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	\$1,900	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

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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	\$63,500	5	\$300	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Basement									
Explanation : Main Service Disconnect Switch Rated At 350 Amperes.									
Switchgear / Switchboard									
	Molded Case Bkrs	100%			2031	\$63,500	5	\$300	
Raceway									
	Conduit	80%			2031	\$28,800	1		
	Conduit	10%			2041	* *	1		
	Under Construction	10%							
Panelboards									
	Fused Disc Sw	10%			2030	\$4,800	5		
	Molded Case Bkrs	70%			2030	\$33,900	5	\$200	
	Molded Case Bkrs	10%			2039	* *	5		
	Under Construction	10%							
Wiring									
	Thermoplastic	80%			2031	\$26,000	1		
	Thermoplastic	10%			2041	* *	1		
	Under Construction	10%							
Motor Controllers									
	Locally Mounted	100%			2029	\$17,800	5	\$100	
Ground									
Grounding Devices									
	Generic	100%			LIFE	* *	5	\$200	
Stand-by Power									
Transfer Switches									
	Automatic	100%			2036	* *	1	\$4,000	
Generators									
	Diesel	100%			2034	\$99,500	1	\$5,000	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : Emergency Generator Rated At 80 Kilovolt-Amperes.									
Batteries									
	Lead/Acid	100%			2025	\$2,400	5	\$500	
Fuel Storage									
	Day Tank	30%			2039	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : 75 Gallons Rated Capacity									
	Main Tank	70%			2046	* *	5		
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

\$33,100

10

\$3,600

*Other Observation, Extent : N/A, Area Affected : 100%**Location : 2nd Floor**Explanation : T-12 Lamps*

Fluorescent

70%

2031

\$77,200

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

\$7,800

1

Exterior Lighting

LED

10%

2039

* *

No Component

90%

Alarm

Security System

No Component

90%

Generic

10%

2026

\$2,400

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

Convactor/Radiator

75%

2029

\$77,900

1

\$3,200

Unit Heater - Steam

25%

2026

\$18,000

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. 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	\$30,200			
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Roof							
		Explanation : 1 Unit. R-410a							
	Window/Wall Unit	40%			2026	\$19,200	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	\$7,200	2031	\$12,000	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	\$29,100	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	\$5,000	2	\$900	
	No Component	90%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	10%	Now	\$1,100	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	\$6,200	2	\$100	
		Not in Service, Extent : Moderate, Area Affected : 10%							
		Location : Roof							
	Wall Unit	25%			2026	\$1,400	2	\$100	
	No Component	40%							
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. 276****Asset # : 13162**

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	Water Heater With Tanks								
	Gas Fired	100%			2026	\$16,700	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 2 Units, 74 Gallons Each							
	Sanitary Piping								
	Cast Iron	100%	Now	\$8,000	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%			2025	\$400	4	\$400	
	Fixtures								
	Generic	100%							
		Obsolete Fixtures, Extent : Severe, Area Affected : 20%							
		Location : 2nd 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.

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 277/LADDER CO. 112
Address : 582 KNICKERBOCKER AVENUE @ PALMETTO ST.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.277 / 13163 **Yr Built/Renovated** : 2007 /
Area Sq Ft : 15,756 **Project Type** : FIRE DEPARTMENT
Date of Survey : 15-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3343 **Lot** : 29 **BIN** : 3076461

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$266,800	\$140,000
Mechanical		\$129,300
Total	\$266,800	\$269,300
Importance Code A	\$266,800	\$140,000
Importance Code B		\$129,300
Total	\$266,800	\$269,300

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$12,700		\$15,200	
Interior Architecture	\$57,000	\$800		\$700
Electrical	\$2,400	\$4,800	\$2,200	\$2,600
Mechanical	\$44,400	\$2,300	\$6,400	\$2,300
Site Pavements	\$200			
Total	\$116,700	\$8,000	\$23,800	\$5,700
Importance Code A	\$20,800	\$800	\$16,000	\$800
Importance Code B	\$83,300	\$6,300	\$7,800	\$4,900
Importance Code C	\$12,600	\$800		
Total	\$116,700	\$8,000	\$23,800	\$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. 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	\$190,500	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									
	Metal Sect. OHD	8%			2045	**	5	\$16,100	
	Pre-Cast Concrete	67%	0-2	\$76,300	LIFE	**	5	\$140,000	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 15%									
Location : Perimeter Walls At Grade. Tiled Walls									
	Window Wall	2%			2052	**	5	\$4,800	
Windows									
	Aluminum	100%	Now	\$4,600	2048	**	5	\$500	
Water Penetration, Extent : Moderate, Area Affected : 10%									
Location : 2nd Floor Bunk Room And Office									
Parapets									
	Pre-Cast Concrete	90%			LIFE	**	5	\$21,600	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Interior Parapet									
Explanation : Rubber Waterproofing Applied To Parapet Walls									
	Weathering Steel	10%			LIFE	**	1		
Roof									
	Modified Bitumen	100%			2037	**	10	\$12,800	
Debris Present, Extent : Moderate, Area Affected : 20%									
Location : Main Roof									
Reflective Surface, Extent : Light, Area Affected : 100%									
Location : Throughout									
Interior									
Floors									
	Cast in Place Concrete	55%	Now	\$21,600	LIFE	**	5	\$28,400	
Water Penetration, Extent : Severe, Area Affected : 15%									
Location : Apparatus Floor. At Edges Of Slab And Floor Drains Into Basement									
	Mosaic Tile	3%			2045	**	5	\$1,800	
	Quarry Tile	2%	2-4	\$700	2045	**	5	\$400	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%									
Location : Kitchen									
	Vinyl Tile	25%			2037	**	3	\$2,900	
	Wood	15%	Now	\$20,600	2047	**	5	\$3,300	
Deteriorated Finish, Extent : Moderate, Area Affected : 100%									
Location : 2nd Floor									
Dry Rot/Decay, Extent : Severe, Area Affected : 5%									
Location : 2nd Floor 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. 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

Interior Walls

Cast in Place Concrete	25%	Now	\$12,600	LIFE		**			
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Electrical Room</i>									

Ceramic Tile	5%			2041		**	5	\$1,700	
Concrete Masonry Unit	20%			LIFE		**	5	\$2,700	
Gypsum Board	45%			LIFE		**	5	\$9,100	
Wood	5%			LIFE		**	5	\$6,800	

Ceilings

AcousTileSusp.Lay-In	55%			2049		**	5	\$13,000	
Exposed Struc: Steel	35%			LIFE		**			

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

Location : Throughout

Explanation : Component Actually Concrete Metal Decking

Gypsum Board	10%			LIFE		**	5	\$2,900	
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2045		**			
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Activity Yard

Cast in Place Concrete	100%	Now	\$200	2045		**			
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Ponding, Extent : Moderate, Area Affected : 10%

Location : Rear 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%			2052		**	5	\$100	
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Electrical Room

Explanation : Main Service Disconnect Switch Rated At 800 Amperes.

Switchgear / Switchboard

Fused Disc Sw	100%			2052		**	5	\$100	
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Raceway

Conduit	100%			2052		**	1		
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Panelboards

Fused Disc Sw	5%			2048		**	5		
Molded Case Bkrs	95%			2048		**	5	\$400	

Wiring

Thermoplastic	100%			2052		**	1		
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Motor Controllers

Locally Mounted	100%			2045		**	5	\$100	
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Ground

Grounding Devices

Generic	100%			LIFE		**	5	\$200	
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FIRE DEPARTMENT - 057
ENGINE CO. 277/LADDER CO. 112
Asset # : 13163

Electrical		Current Repair		Future Replacement		Maintenance			
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	\$4,900	
	Generators								
	Diesel	100%			2041	* *	1	\$6,100	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Generator Room								
	Explanation : Emergency Generator Rated At 80 Kilowatts								
	Batteries								
	Lead/Acid	100%			2026	\$2,400	5	\$600	
	Fuel Storage								
	Main Tank	100%			2060	* *	5		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Generator Room								
	Explanation : 275 Gallons Rated Capacity								
Lighting									
	Interior Lighting								
	LED	100%			2040	* *			
	Egress Lighting								
	Emergency, Service	50%			2037	* *	1		
	Exit, Service	50%			2037	* *	1		
	Exterior Lighting								
	HID	30%			2037	* *	10		
	No Component	70%							
Alarm									
	Security System								
	No Component	80%							
	Generic	20%			2037	* *	1	\$1,200	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Front Of The Building								
	Explanation : CCTV Surveillance Cameras								
	Fire/Smoke Detection								
	Generic, Analog	100%			2037	* *	1-3	\$10,000	
	Other Observation, Extent : N/A, 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%			2052	* *	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. 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
Heating									
	Conversion Equipment								
	Hot Water Boiler	100%	Now	\$8,200	2045	* *	1	\$7,000	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement Boiler Room							
		Explanation : 2 Units							
	Distribution								
	Hot Wtr Piping/Pump	100%	0-2	\$3,400	2048	* *	4	\$800	
		Broken, Extent : Severe, Area Affected : 50%							
		Location : Basement, Circulating Pump							
		Controller Not Working, Extent : Moderate, Area Affected : 75%							
		Location : Throughout, Uneven Heat Distribution							
	Terminal Devices								
	Air Handler	30%			2037	* *	1	\$2,900	
	Convactor/Radiator	40%			2045	* *	1	\$2,000	
	Fan Coil Unit/Heat	30%			2037	* *	1	\$1,500	
Air Conditioning									
	Energy Source								
	Electricity	100%			2048	* *	1		
	Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	50%			2032	\$129,300	2	\$500	
		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%			2037	* *			
		Other Observation, Extent : N/A, Area Affected : 10%							
		Location : House Watch And 2nd Floor							
		Explanation : 2 Units. R-410a							
	Window/Wall Unit	20%			2030	\$11,700	1		
	No Component	20%							
	Distribution								
	Ductwork/Diffusers	40%	Now	\$10,800	LIFE	* *	2	\$8,200	
		Corroded, Extent : Moderate, Area Affected : 10%							
		Location : Basement							
	No Component	60%							
	Terminal Devices								
	Fan Coil - 2 Pipe	10%			2037	* *	1	\$500	
	No Component	90%							
	Heat Rejection								
	Evaporative Condenser	10%			2037	* *	2	\$1,100	
	No Component	90%							

Ventilation

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

FIRE DEPARTMENT - 057
ENGINE CO. 277/LADDER CO. 112
Asset # : 13163

Mechanical		Current Repair		Future Replacement		Maintenance			
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	\$13,500	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	\$6,000	2037	**	2	\$400	
Broken, Extent : Moderate, Area Affected : 20%									
Location : Roof Exhaust System									
Plumbing									
H/C Water Piping									
	Brass/Copper	100%			2052	**	1		
Water Heater With Tanks									
	Gas Fired	100%			2030	\$16,700	2		
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Basement Boiler Room									
Explanation : 2 Units									
Sanitary Piping									
	Cast Iron	100%			LIFE	**	1		
Other Observation, Extent : Severe, Area Affected : 10%									
Location : Basement									
Explanation : Water Backing Up In Basement Frequently. Infrastructure Issue									
Storm Drain Piping									
	Cast Iron	100%			LIFE	**	1		
Sump Pump(s)									
	Non-Submersible	100%	Now	\$900	2037	**	4	\$300	
Unit Inoperable, Extent : Severe, Area Affected : 25%									
Location : Basement									
Backflow Preventer									
	Generic	100%			2037	**	1	\$1,000	
Fixtures									
	Generic	100%							
Fire Suppression									
Sprinkler									
	No Component	80%							
	Generic	20%			2052	**	1-2	\$900	
Chemical System									
	No Component	90%							
	Generic	10%			2030	\$1,600	1-3	\$7,400	

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 279/LADDER CO. 131
Address : 252 LORRAINE STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.279 / 13165 **Yr Built/Renovated** : 1912 / 2011
Area Sq Ft : 10,548 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Aug-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 486 **Lot** : 18 **BIN** : 3008207

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$77,500	\$255,600
Electrical	\$40,300	\$171,700
Mechanical		\$82,500
Total	\$117,800	\$509,800
Importance Code A		\$63,500
Importance Code B	\$40,300	\$446,300
Importance Code C	\$77,500	
Total	\$117,800	\$509,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$10,400		\$17,900	
Interior Architecture	\$58,400			\$1,200
Electrical	\$11,600	\$200	\$9,100	\$100
Mechanical	\$6,000	\$1,500	\$6,500	\$1,500
Site Enclosure	\$3,500			
Site Pavements	\$5,700			
Total	\$95,600	\$1,600	\$33,600	\$2,800
Importance Code A	\$11,500	\$1,000	\$19,100	\$1,000
Importance Code B	\$70,100	\$600	\$14,500	\$1,700
Importance Code C	\$14,000			
Total	\$95,600	\$1,600	\$33,600	\$2,800



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

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 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%	2-4	\$4,900	LIFE	**	5	\$2,400	
	Cracking/Crumbling, Extent : Light, Area Affected : 5%								
	Location : Front Facade								
	Stucco Cement	5%			2045	**	5	\$4,000	
	Recent Repair Evident, Extent : N/A, Area Affected : 10%								
	Location : Rear Facade								
	Wood Overhead Doors	10%			2037	**	5	\$16,100	
Windows									
	Aluminum	100%			2040	**	5	\$700	
Parapets									
	Cast Stone/Terra Cotta	30%	2-4	\$3,200	LIFE	**	5	\$2,700	
	Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%								
	Location : Front Facade Parapet And Cornice								
	Masonry: Brick	70%			LIFE	**	5	\$800	
Roof									
	Modified Bitumen	100%			2037	**	10	\$9,900	
Interior									
Floors									
	Cast in Place Concrete	30%			LIFE	**	5	\$10,400	
	Ceramic Tile	5%			2035	**	5	\$800	
	Quarry Tile	5%	4+	\$1,100	2037	**	5	\$600	
	Cracking/Crumbling, Extent : Light, Area Affected : 5%								
	Location : Kitchen								
	Vinyl Tile	60%	2-4	\$5,100	2032	\$255,600	3	\$3,600	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 1%								
	Location : 3rd Floor Corridor								
	Worn/Eroded, Extent : Moderate, Area Affected : 50%								
	Location : 2nd And 3rd Floor								
Interior Walls									
	Ceramic Tile	5%			2035	**	5	\$500	
	Masonry: Brick	40%	Now	\$77,500	LIFE	**			
	Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
	Location : Apparatus Floor								
	Spalling, Extent : Severe, Area Affected : 10%								
	Location : Basement								
	Vertical Cracks, Extent : Severe, Area Affected : 1%								
	Location : Bearing Wall At Rear Beam Basement								
	Plaster	55%	Now	\$6,800	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.

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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%	4+	\$300	2037	* *	5	\$400	
	Staining/Discoloring, Extent : Light, Area Affected : 10%							
	Location : Kitchen And Office 2nd Floor							
Exposed Struc: Concrete	20%	Now	\$9,200	LIFE	* *	5	\$500	
	Cracking/Crumbling, Extent : Severe, Area Affected : 20%							
	Location : Basement Rear Wall Beam And Gymnasium							
	Exposed Reinforcement, Extent : Severe, Area Affected : 20%							
	Location : Basement Rear Wall Beam And Gymnasium							
Plaster	75%	Now	\$35,200	LIFE	* *	5	\$7,400	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 20%							
	Location : Apparatus Floor, 2nd Floor Bunk And 3rd Floor Locker							
	Paint Peeling, Extent : Moderate, Area Affected : 10%							
	Location : 3rd Floor							
Site Enclosure								
Fence/Gates								
Chain Link	100%			2052	* *			
Free Standing Walls								
Masonry: Brick	100%	Now	\$3,500	2042	* *			
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
	Location : Rear Wall							
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	2-4	\$2,200	2037	* *			
	Cracking/Crumbling, Extent : Light, Area Affected : 5%							
	Location : Smith Street							
Parking/Driveway								
Cast in Place Concrete	100%	2-4	\$3,500	2045	* *			
	Cracking/Crumbling, Extent : Light, Area Affected : 5%							
	Location : Rear Driveway And 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%			2032	\$63,500	5	\$300	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Basement									
Explanation : Main Service Disconnect Switch Rated At 250 Amperes.									
Switchgear / Switchboard									
Molded Case Bkrs		100%			2032	\$63,500	5	\$300	
Raceway									
Conduit		90%			2032	\$32,400	1		
Conduit		10%			2042	* *	1		

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

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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
Under 600 Volts									
Panelboards									
	Fused Disc Sw	10%			2048	* *	5		
	Molded Case Bkrs	80%			2031	\$38,800	5	\$200	
	Molded Case Bkrs	10%			2040	* *	5		
Wiring									
	Thermoplastic	20%			2042	* *	1		
	Thermoplastic	80%			2032	\$26,000	1		
Motor Controllers									
	Locally Mounted	100%			2037	* *	5	\$100	
Ground									
Grounding Devices									
	Generic	100%	0-2	\$10,200	LIFE	* *	5	\$200	
Corroded, Extent : Moderate, Area Affected : 100%									
Location : Basement									
Lighting									
Interior Lighting									
	Fluorescent	50%			2032	\$44,700	10	\$4,800	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : 1st Floor, 2nd Floor									
Explanation : T-8 Lamps									
	Fluorescent	45%			2027	\$40,300	10	\$4,400	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : 1st Floor, Hallways, 3rd Floor									
Explanation : T-12 Lamps									
	Fluorescent	4%	Now	\$1,400	2042	* *			
Other Observation, Extent : Severe, Area Affected : 100%									
Location : Basement									
Explanation : Not Functioning									
	LED	1%			2040	* *			
Egress Lighting									
	Exit, Service	100%			2027	\$4,400	1		
Exterior Lighting									
	LED	20%			2040	* *			
	No Component	80%							
Alarm									
Security System									
	No Component	90%							
	Generic	10%			2032	\$1,900	1	\$400	
Other Observation, Extent : N/A, 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

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. 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
Heating									
	Energy Source								
	Natural Gas	100%			2042	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2052	* *	1	\$10,500	
	Recent Replace Evident, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Explanation : 1 Unit								
	Distribution								
	Steam Piping/Pump	100%			2032	\$82,500			
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : 2nd Floor								
	Explanation : There Is Only 1 Thermostat In The Building								
	Terminal Devices								
	Convactor/Radiator	90%			2037	* *	1	\$3,100	
	Unit Heater - Steam	10%	2-4	\$3,500	2042	* *	4	\$100	
	Other Observation, Extent : Moderate, Area Affected : 100%								
	Location : Apparatus Floor								
	Explanation : 2 Extended Life Time Unit Heaters Serve Truck Bays								
Air Conditioning									
	Energy Source								
	Electricity	100%			2040	* *	1		
	Conversion Equipment								
	Exterior Pkg Unit - Cooling	40%			2037	* *	2	\$300	
	Other Observation, Extent : Light, Area Affected : 40%								
	Location : Roof								
	Explanation : 1 Unit. Uses R410 A								
	Window/Wall Unit	10%			2027	\$3,900	1		
	No Component	50%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	50%			LIFE	* *	2-5	\$2,900	
	No Component	50%							
	Exhaust Fans								
	Roof	50%			2037	* *	2	\$200	
	Wall Unit	15%			2027	\$700	2	\$100	
	No Component	35%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	10%	0-2	\$300	2042	* *	1		
	Not Insulated, Extent : Light, Area Affected : 10%								
	Location : Basement								
	Brass/Copper	90%			2042	* *	1		
	No Water Meter, Extent : Light, Area Affected : 100%								
	Location : Basement								

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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
Plumbing									
	Water Heater With Tanks								
	Gas Fired	100%			2031	\$16,700	2		
				Other Observation, Extent : N/A, 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%			2025	\$300	4	\$300	
	Backflow Preventer								
	Generic	5%	0-2		2032	\$200	1		
				Other Observation, Extent : Light, Area Affected : 5%					
				Location : Apparatus Floor					
				Explanation : Leaking					
	Generic	95%			2032	\$4,400	1	\$600	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	99%							
	Generic	1%			2025	\$200	1-3	\$800	
				Other Observation, Extent : N/A, Area Affected : 100%					
				Location : Kitchen					
				Explanation : Serves Kitchen Only					

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 28/ LADDER CO. 11
Address : 222 EAST 2nd STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.028 / 13020 **Yr Built/Renovated** : 1959 / 2010
Area Sq Ft : 6,532 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-May-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 385 **Lot** : 58 **BIN** : 1004608

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$456,800	\$99,500
Interior Architecture	\$497,300	
Electrical		\$63,500
Mechanical		\$52,200
Site Pavements	\$74,100	
Total	\$1,028,200	\$215,200
Importance Code A	\$456,800	\$99,500
Importance Code B	\$497,300	\$115,700
Importance Code C	\$74,100	
Total	\$1,028,200	\$215,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$60,400			
Interior Architecture	\$47,700	\$100	\$600	\$200
Electrical	\$22,800		\$100	\$9,100
Mechanical	\$18,600	\$23,900	\$4,800	\$40,200
Site Enclosure	\$27,700			
Total	\$177,200	\$24,000	\$5,400	\$49,500
Importance Code A	\$60,700	\$300	\$300	\$300
Importance Code B	\$58,900	\$23,700	\$4,700	\$49,200
Importance Code C	\$57,600		\$400	
Total	\$177,200	\$24,000	\$5,400	\$49,500



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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	\$456,800	LIFE	* *	5	\$18,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%									
Location : Throughout									
Diagonal Cracks, Extent : Moderate, Area Affected : 5%									
Location : Corners Of Building									
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%									
Location : Throughout									
Spalling, Extent : Moderate, Area Affected : 10%									
Location : Throughout									
Other Observation, Extent : Moderate, Area Affected : 30%									
Location : 2nd Street Facade									
Explanation : Netting Installed On 2nd Floor									
	Metal Sect. OHD	10%			2050	* *	5	\$6,600	
Windows									
	Aluminum	100%	Now	\$29,300	2049	* *	5	\$1,100	
Broken/Missing Elements, Extent : Light, Area Affected : 10%									
Location : Throughout									
Ctwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%									
Location : Throughout									
Parapets									
	Metal Panel	90%	Now	\$8,800	2053	* *	5	\$4,300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%									
Location : Hose Tower									
	Metal Rail	10%	Now	\$4,900	2046	* *	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%	Now	\$10,000	2033	\$99,500			
Blisters, Extent : Light, Area Affected : 10%									
Location : Main Roof									
Ponding, Extent : Moderate, Area Affected : 10%									
Location : Main Roof And Hose Tower Roof									
Water Penetration, Extent : Moderate, Area Affected : 5%									
Location : Into 2nd Floor Hall									
Soffits									
	Cast Stone/Terra Cotta	100%	Now	\$4,100	LIFE	* *	5	\$2,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%									
Location : Above Overhead Door									

Interior

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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								
Floors								
Cast in Place Concrete	65%	Now	\$106,200	LIFE	**	5	\$14,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 50%								
Location : Basement And Apparatus Floor								
Other Observation, Extent : Severe, Area Affected : 10%								
Location : Underside Of Stairs To Basement								
Explanation : Steel Corrosion								
Ceramic Tile	5%			2042	**	5	\$500	
Vinyl Tile	10%			2041	**	3	\$400	
Vinyl Tile 9" X 9"	20%	Now	\$153,600	2043	**	3	\$700	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor								
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Interior Walls								
Cast in Place Concrete	30%			LIFE	**			
Ceramic Tile	5%			2042	**	5	\$700	
Gypsum Board	5%			LIFE	**	5	\$400	
Plaster	35%	Now	\$23,600	LIFE	**	5	\$1,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Hose Tower								
Paint Peeling, Extent : Moderate, Area Affected : 50%								
Location : Basement								
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Basement, Staircase And Hose Tower								
SGFT/Glazed Masonry	25%	Now	\$6,200	LIFE	**			
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Floor								
Ceilings								
AcousTileSusp.Lay-In	10%	4+	\$300	2038	**	5	\$500	
Staining/Discoloring, Extent : Light, Area Affected : 5%								
Location : Throughout								
Exposed Struc: Concrete	55%	0-2	\$237,500	LIFE	**	5	\$800	
Worn/Eroded, Extent : Severe, Area Affected : 20%								
Location : Basement								
Gypsum Board	5%			LIFE	**	5	\$600	
Plaster	30%	Now	\$17,500	LIFE	**	5	\$1,800	
Loose/Delam Surface, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor								
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Hall And Hose Tower								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$27,700	2043	**			
Impact Damage, Extent : Moderate, Area Affected : 50%								
Location : Parking Lot								

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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

Site Pavements

Public Sidewalk

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

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

Asphalt	100%	Now	\$74,100	2036	**			
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Cracking/Crumbling, Extent : Moderate, Area Affected : 10%

Location : Driveway And Parking Lot

Ponding, Extent : Moderate, Area Affected : 25%

Location : Parking Lot

Sinking/Subsiding, Extent : Moderate, 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%			2033	\$14,700	5		
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : Main Service Disconnect Switch Rated At 200 Amperes

Switchgear / Switchboard

Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
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Raceway

Conduit	100%			2033	\$36,000	1		
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Panelboards

Molded Case Bkrs	70%			2032	\$33,900	5	\$100	
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Molded Case Bkrs	30%			2055	**	5	\$100	
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Wiring

Braided Cloth	70%	2-4	\$22,800	2058	**	1		
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Insulation Aged, Extent : Moderate, Area Affected : 100%

Location : Throughout The Building

Thermoplastic	30%			2059	**	1		
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Motor Controllers

Locally Mounted	100%			2038	**	5		
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Lighting

Interior Lighting

Fluorescent	10%			2033	\$5,500	10	\$600	
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : T-8 Lamps

LED	90%			2041	**			
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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	

Lighting

Exterior Lighting

HID

30%

2028

\$8,900

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%

2053

* *

1

Conversion Equipment

Hot Water Boiler

100%

2046

* *

1

\$3,200

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : 1 Unit*

Distribution

Hot Wtr Piping/Pump

100%

2041

* *

4

\$500

Terminal Devices

Convactor/Radiator

100%

2031

\$52,200

1

\$2,100

Controls

Electrical

100%

2028

\$35,500

Air Conditioning

Energy Source

Electricity

100%

2041

* *

1

Conversion Equipment

Split Unit

10%

2038

* *

Window/Wall Unit

50%

0-2

\$12,100

2033

\$12,100

1

*Not Energy Efficient, Extent : Moderate, Area Affected : 50%**Location : Various Locations**Other Observation, Extent : Moderate, Area Affected : 50%**Location : Various Locations**Explanation : On Extended Life*

No Component

40%

*Other Observation, Extent : Light, Area Affected : 0%**Location : Basement**Explanation : Gymnasium Has No Air Conditioning*

Terminal Devices

Fan Coil - 2 Pipe

10%

2038

* *

1

\$200

No Component

90%

*Other Observation, Extent : N/A, Area Affected : 0%**Location :**Explanation : One Evaporator Could Be Installed To The Split Unit For Basement Gymnasium.*

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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									
	Heat Rejection								
	Air Cooled Condenser Unit	10%			2038	* *	2	\$500	
	No Component	90%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	20%			LIFE	* *	2-5	\$700	
	No Component	80%							
	Exhaust Fans								
	Roof	20%			2033	\$2,500	2		
	No Component	80%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2043	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2031	\$33,400	2		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Explanation : Two 75 Gallon Units								
	Sanitary Piping								
	Cast Iron	100%	Now	\$1,600	LIFE	* *	1		
	Blockage /Clogged, Extent : Severe, Area Affected : 10%								
	Location : Basement								
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Non-Submersible	100%			2033	\$1,300	4	\$200	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Wet	100%			2026	\$12,000	1-3	\$62,500	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Kitchen								
	Explanation : Covers 15 Square Feet								

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

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

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 280/LADDER CO. 132
Address : 489 ST. JOHN'S PLACE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.280 / 13166 **Yr Built/Renovated** : 1912 / 2008
Area Sq Ft : 5,775 **Project Type** : FIRE DEPARTMENT
Date of Survey : 28-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1174 **Lot** : 51 **BIN** : 3029451

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$89,500	
Total	\$89,500	
Importance Code B	\$89,500	
Total	\$89,500	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$600		\$300	
Interior Architecture	\$47,800	\$300	\$300	\$400
Electrical	\$10,600	\$2,900	\$600	\$500
Mechanical	\$10,800	\$1,300	\$31,000	\$2,000
Site Enclosure	\$1,200			
Site Pavements	\$2,800			
Total	\$73,800	\$4,500	\$32,100	\$2,900
Importance Code A	\$3,100	\$600	\$1,000	\$600
Importance Code B	\$60,000	\$3,900	\$31,100	\$2,300
Importance Code C	\$10,800			
Total	\$73,800	\$4,500	\$32,100	\$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. 280/LADDER CO. 132
Asset # : 13166

Architecture		Current Repair			Future Replacement		Maintenance		
System	Component	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost	Priority
	Type	Total	(Years)		FY		(Yrs)		
Exterior									
Exterior Walls									
	Concrete Masonry Unit	5%			LIFE	**	5	\$600	
	Masonry: Brick	75%			LIFE	**	5	\$15,200	
	Masonry: Granite	2%	2-4	\$600	LIFE	**	5	\$300	
	Cracking/Crumbling, Extent : Light, Area Affected : 1%								
	Location : Front Facade								
	Masonry: Limestone	10%			LIFE	**	5	\$1,500	
	Metal Sect. OHD	8%			2049	**	5	\$5,100	
Windows									
	Aluminum	100%			2054	**	5	\$500	
Parapets									
	Masonry: Brick	80%			LIFE	**	5	\$600	
	Metal: Cage/Fence	10%			2037	**	5-10	\$600	
	Pre-Cast Concrete	10%			LIFE	**	5	\$500	
Roof									
	Asphalt Shingle	20%			2041	**	10	\$200	
	Modified Bitumen	80%			2042	**	10	\$5,500	
Interior									
Floors									
	Cast in Place Concrete	30%			LIFE	**	5	\$6,700	
	Cast in Place Concrete	25%	Now	\$21,200	LIFE	**	5	\$5,600	
	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%			2041	**	5	\$500	
	Quarry Tile	5%			2045	**	5	\$800	
	Vinyl Tile	35%	Now	\$9,600	2042	**	3	\$1,300	
	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								
Interior Walls									
	Masonry: Brick	45%			LIFE	**			
	Plaster	50%	Now	\$6,800	LIFE	**	5	\$400	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : 2nd Floor Dormitory, Laundry, At Window Heads, Scuttle And Stairwell								
	Paint Peeling, Extent : Severe, Area Affected : 20%								
	Location : 2nd Floor Officer, Bathroom								
	Wood	5%			LIFE	**	5	\$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. 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									
	Ceilings								
	AcousTileSusp.Lay-In	5%			2037	* *	5	\$500	
	Exposed Struc: Concrete	30%	Now	\$89,500	LIFE	* *	5	\$500	
		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	65%	Now	\$9,800	LIFE	* *	5	\$4,100	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : 2nd Floor							
		Water Penetration, Extent : Moderate, Area Affected : 5%							
		Location : 2nd Floor Front Office							
Site Enclosure									
	Fence/Gates								
	Chain Link	100%	Now	\$1,200	2052	* *			
		Broken/Missing Elements, Extent : Moderate, Area Affected : 25%							
		Location : Gate							
		Corrosion/Rusting, Extent : Moderate, Area Affected : 20%							
		Location : Parking Lot							
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%			2045	* *			
	Parking/Driveway								
	Asphalt	100%	Now	\$2,800	2035	* *			
		Potholes, Extent : Moderate, Area Affected : 5%							
		Location : Driveway							
		Sinking/Subsiding, Extent : Moderate, Area Affected : 20%							
		Location : Parking Lot And Driveway							
Activity Yard									
	Cast in Place Concrete	100%			2045	* *			

Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts									
	Service Equipment								
	Molded Case Bkrs	100%			2052	* *	5	\$200	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Explanation : Main Service Disconnect Switch Rated At 600 Amperes.								
	Switchgear / Switchboard								
	Molded Case Bkrs	100%			2052	* *	5	\$200	

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FIRE DEPARTMENT - 057
ENGINE CO. 280/LADDER CO. 132
Asset # : 13166

Electrical		Current Repair			Future Replacement		Maintenance		
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%			2042	**	1		
	Conduit	50%			2052	**	1		
	Panelboards								
	Molded Case Bkrs	100%			2048	**	5	\$200	
	Wiring								
	Thermoplastic	100%			2052	**	1		
	Motor Controllers								
	Locally Mounted	100%			2045	**	5		
Ground									
	Grounding Devices								
	Generic	100%	2-4	\$10,200	LIFE	**	5	\$100	
	Other Observation, Extent : Moderate, Area Affected : 100%								
	Location : Basement								
	Explanation : Corroded								
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2045	**	1	\$1,800	
	Generators								
	Natural Gas	100%			2041	**	1	\$2,200	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Rear Of The Building								
	Explanation : Emergency Generator Rated At 70 Kilowatts								
	Batteries								
	Lead/Acid	100%			2026	\$2,400	5	\$200	
Lighting									
	Interior Lighting								
	Fluorescent	10%			2032	\$4,900	10	\$500	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : 1st Floor								
	Explanation : T-8 Lamps								
	LED	90%			2037	**			
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Throughout The Building								
	Explanation : LED Lights								
	Egress Lighting								
	Emergency, Service	40%			2032	\$1,400	1		
	Emergency, Battery	10%			2032	\$900	10	\$100	
	Exit, Service	50%			2032	\$1,200	1		
	Exterior Lighting								
	HID	30%			2032	\$7,900	10		
	No Component	70%							

Mechanical		Current Repair			Future Replacement		Maintenance		
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. 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									
	Energy Source								
	Natural Gas	100%			2052	* *	1		
	Conversion Equipment								
	Steam Boiler	100%	0-2	\$2,500	2045	* *	1	\$5,100	
	Controller Not Working, Extent : Moderate, Area Affected : 20%								
	Location : Throughout, Thermostat.								
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : 1 Unit								
	Distribution								
	Steam Piping/Pump	100%	Now	\$900	2042	* *			
	Insul. Deteriorating, Extent : Moderate, Area Affected : 30%								
	Location : Basement								
	Terminal Devices								
	Convactor/Radiator	100%			2030	\$46,100	1	\$1,900	
	On Extended Life, Extent : Moderate, Area Affected : 80%								
	Location : Throughout								
Air Conditioning									
	Energy Source								
	Electricity	100%			2040	* *	1		
	Conversion Equipment								
	Window/Wall Unit	50%	Now	\$500	2027	\$10,700	1		
	Broken, Extent : Severe, Area Affected : 10%								
	Location : Bunker Bedroom, Two Units								
	No Component	50%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	20%			LIFE	* *	2-5	\$600	
	No Component	80%							
	Exhaust Fans								
	Roof	20%			2027	\$2,200	2		
	No Component	80%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2042	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2027	\$16,700	2		
	Sanitary Piping								
	Cast Iron	100%	Now	\$3,600	LIFE	* *	1		
	Corroded, Extent : Moderate, Area Affected : 10%								
	Location : Basement								

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

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									
	Storm Drain Piping								
	Cast Iron	100%	0-2	\$400	LIFE	* *	1		
		Corroded, Extent : Moderate, Area Affected : 30%							
		Location : Basement							
		Other Observation, Extent : Moderate, Area Affected : 15%							
		Location : Basement							
		Explanation : Water Backs Up, Causes Flooding In Basement During Rain.							
Fixtures									
	Generic	100%							
		Obsolete Fixtures, Extent : Moderate, Area Affected : 70%							
		Location : Various Locations							
Fire Suppression									
	Chemical System								
	No Component	90%							
	Generic	10%			2025	\$1,600	1-3	\$8,100	
		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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 281/LADDER CO. 147
Address : 1210 CORTELYOU ROAD
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.281 / 13167 **Yr Built/Renovated** : 1912 /
Area Sq Ft : 10,106 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Jun-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5155 **Lot** : 4 **BIN** : 3118638

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$382,500	\$117,700
Interior Architecture	\$76,700	\$310,300
Electrical		\$127,000
Mechanical		\$262,800
Total	\$459,200	\$817,800
Importance Code A	\$382,500	\$181,200
Importance Code B		\$510,000
Importance Code C	\$76,700	\$126,600
Total	\$459,200	\$817,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$28,200			\$3,100
Interior Architecture	\$81,100			\$900
Electrical	\$33,000	\$300		
Mechanical	\$36,500	\$40,800	\$1,700	\$1,400
Site Pavements	\$1,900			
Total	\$180,700	\$41,100	\$1,700	\$5,400
Importance Code A	\$29,200	\$1,100	\$1,000	\$4,100
Importance Code B	\$127,900	\$40,000	\$700	\$1,300
Importance Code C	\$23,600			
Total	\$180,700	\$41,100	\$1,700	\$5,400



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

FIRE DEPARTMENT - 057
ENGINE CO. 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	\$118,500	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	\$900	
	Masonry: Limestone	15%	2-4	\$90,700	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	\$11,900	LIFE	**	5	\$600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 25%									
Location : Window Sills									
Windows									
	Aluminum	100%	Now	\$98,700	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	\$1,500	
	Masonry: Brick	80%	0-2	\$74,700	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	\$3,900	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 : N/A, 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	\$11,800	2031	\$117,700			
	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	\$600	2036	* *	5	\$400	
	Cracking/Crumbling, Extent : Light, Area Affected : 5%								
	Location : Over Head Door								
Interior									
Floors									
	Cast in Place Concrete	40%	Now	\$10,100	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	\$6,900	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	\$9,200	2031	\$183,700	3	\$2,600	
	Worn/Eroded, Extent : Moderate, Area Affected : 15%								
	Location : Second And Third Floors								
Interior Walls									
	Ceramic Tile	10%	0-2	\$6,300	2034	\$126,600	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	\$76,700	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	\$15,400	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+	\$2,100	2036	* *	5	\$3,300	
		Broken/Missing Elements, Extent : Light, Area Affected : 5%							
		Location : Throughout							
	Exposed Struc: Steel	25%	4+	\$17,800	LIFE	* *			
		Corrosion/Rusting, Extent : Light, Area Affected : 1%							
		Location : Coal Storage Room							
	Gypsum Board	5%	Now	\$7,800	LIFE	* *	5	\$900	
		Worn/Eroded, Extent : Severe, Area Affected : 25%							
		Location : Kitchen							
	Plaster	25%	Now	\$5,600	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	\$2,600	
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%			2036	* *			
	Parking/Driveway								
	Cast in Place Concrete	100%	2-4	\$1,900	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	\$63,500	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	\$63,500	5	\$300	
	Raceway								
	Conduit	100%			2031	\$36,000	1		
	Panelboards								
	Fused Disc Sw	2%			2030	\$1,000	5		
	Molded Case Bkrs	48%			2030	\$23,300	5	\$100	
	Molded Case Bkrs	50%			2039	* *	5	\$100	

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Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific 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

Electrical		Current Repair		Future 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	\$22,800	2056	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%									
Location : Throughout The Building									
	Thermoplastic	30%			2031	\$9,800	1		
Motor Controllers									
	Locally Mounted	100%			2048	* *	5	\$100	
Ground									
Grounding Devices									
	Generic	100%	0-2	\$10,200	LIFE	* *	5	\$100	
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	\$4,700	2041	* *			
Corroded, Extent : Severe, Area Affected : 60%									
Location : Basement									
Insul. Deteriorating, Extent : Moderate, Area Affected : 20%									
Location : Basement									
	Steam Piping/Pump	70%			2031	\$55,300			
Terminal Devices									
	Convactor/Radiator	100%			2029	\$80,700	1	\$3,300	
Air Conditioning									
Energy Source									
	Electricity	100%			2039	* *	1		

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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
Air Conditioning									
	Conversion Equipment								
	Split Unit	5%	0-2	\$2,300	2036	* *			
		Other Observation, Extent : Moderate, Area Affected : 50%							
		Location : 1st Floor Sitting Room							
		Explanation : Defective Unit							
	Window/Wall Unit	60%	Now	\$1,100	2026	\$22,400	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	\$2,300	
		Other Observation, Extent : Light, Area Affected : 80%							
		Location : Apparatus Floor							
		Explanation : Not Be Used							
	No Component	60%							
Exhaust Fans									
	Roof	10%			2031	\$1,900	2		
	Wall Unit	20%	0-2	\$900	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	\$300	2031	\$12,700	1		
		Not Insulated, Extent : Moderate, Area Affected : 30%							
		Location : Basement							
	Brass/Copper	90%			2031	\$114,100	1		
Water Heater With Tanks									
	Gas Fired	100%			2026	\$16,700	2		
		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	\$24,900	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	\$700	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 28-Apr-2023 **Landmark Status** : NONE
Areas Surveyed : Basement, Floors 1,2
Block : 5597 **Lot** : 44 **BIN** : 3135859

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$682,700	
Mechanical		\$71,400
Total	\$682,700	\$71,400
Importance Code A		\$71,400
Importance Code B	\$116,100	
Importance Code C	\$566,500	
Total	\$682,700	\$71,400

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$50,700		\$2,900	
Interior Architecture	\$38,300		\$700	\$1,800
Electrical	\$2,500	\$500	\$500	\$500
Mechanical	\$17,800	\$2,400	\$7,400	\$1,900
Site Pavements	\$1,400			
Total	\$110,700	\$2,900	\$11,600	\$4,100
Importance Code A	\$57,800	\$300	\$3,300	\$300
Importance Code B	\$43,200	\$2,500	\$8,300	\$2,800
Importance Code C	\$9,600			\$1,000
Total	\$110,700	\$2,900	\$11,600	\$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. 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	\$29,200	LIFE	* *	5	\$18,200	
		Water Penetration, Extent : Moderate, Area Affected : 5%							
		Location : 2nd Floor Window Sill							
	Masonry: Granite	5%			LIFE	* *	5	\$1,700	
	Masonry: Limestone	10%			LIFE	* *	5	\$3,400	
		Staining/Discoloring, Extent : Light, Area Affected : 2%							
		Location : Front Facade							
	Metal Sect. OHD	5%			2039	* *	5	\$3,500	
Windows									
	Aluminum	100%	4+	\$2,900	2042	* *	5	\$1,500	
		Hardware Missing, Extent : Light, Area Affected : 15%							
		Location : 2nd Floor Latches Loose Or Broken							
		Water Penetration, Extent : Light, Area Affected : 10%							
		Location : 2nd Floor Window Sill							
Parapets									
	Masonry: Brick	75%			LIFE	* *	5-10	\$13,700	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Roof Area							
		Explanation : Surveyor Unable To Access Roof.							
	Masonry: Limestone	15%			LIFE	* *	5-10	\$4,900	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Roof Area							
		Explanation : Surveyor Unable To Access Roof.							
	Metal Rail	10%			2047	* *	5-10	\$4,800	
Roof									
	Modified Bitumen	90%			2039	* *	10	\$10,400	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Roof Area							
		Explanation : Surveyor Unable To Access Roof.							
	Skylight, Metal/Glass	10%			2054	* *	10	\$3,800	
Interior									
Floors									
	Cast in Place Concrete	45%			LIFE	* *	5	\$29,100	
	Ceramic Tile	10%			2043	* *	5	\$1,500	
	Wood	45%	Now	\$116,100	2062	* *	5	\$6,200	
		Deteriorated Finish, Extent : Moderate, Area Affected : 60%							
		Location : 2nd Floor							
		Worn/Eroded, Extent : Moderate, Area Affected : 60%							
		Location : 2nd Floor							
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Third Floor							
		Explanation : Surveyor Unable To Access Third Floor 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
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

Interior Walls

Ceramic Tile	10%			2043	**	5	\$2,000	
Gypsum Board	35%			LIFE	**	5-10	\$12,100	
Masonry: Brick	30%			LIFE	**	10	\$1,800	
Masonry: Brick	25%	Now	\$566,500	LIFE	**			

Efflorescence, Extent : Severe, Area Affected : 80%

Location : Basement

Paint Peeling, Extent : Severe, Area Affected : 80%

Location : Basement

Water Penetration, Extent : Severe, Area Affected : 80%

Location : Basement

Ceilings

AcousTileSusp.Lay-In	10%			2047	**	5	\$1,500	
Exposed Struc: Steel	20%			LIFE	**	10	\$5,900	
Gypsum Board	30%	Now	\$1,500	LIFE	**	5	\$5,500	

Water Penetration, Extent : Moderate, Area Affected : 15%

Location : 2nd Floor, Chauffer Bunk Area

Metal Panel	10%			LIFE	**	5	\$3,700	
Plaster	30%			LIFE	**	5-10	\$7,600	

Site Enclosure

Retaining Walls

Masonry: Brick	100%			2044	**			
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Site Pavements

Public Sidewalk

Cast in Place Concrete	95%			2047	**			
Cast in Place Concrete	5%	0-2	\$1,400	2047	**			

Cracking/Crumbling, Extent : Severe, Area Affected : 100%

Location : Front 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%			2054	**	5	\$100	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : 400 Ampere Main Disconnect Switch

Switchgear / Switchboard

Fused Disc Sw	100%			2044	**	5	\$100	
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Raceway

Conduit	100%			2054	**	1		
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Panelboards

Fused Disc Sw	20%			2042	**	5	\$100	
Molded Case Bkrs	80%			2050	**	5	\$300	

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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
Under 600 Volts									
	Wiring								
	Thermoplastic	100%			2054	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2039	* *	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$400	
Lighting									
	Interior Lighting								
	LED	100%			2039	* *			
	Egress Lighting								
	Emergency, Battery	20%			2034	\$4,500	10	\$700	
	Exit, LED	80%	Now	\$1,600	2049	* *	1		
	Damaged Fixtures, Extent : Moderate, Area Affected : 50%								
	Location : 1st Floor								
	Exterior Lighting								
	LED	50%			2039	* *			
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Outside Perimeter								
	Explanation : Operated Via Timer								
	No Component	50%							
Alarm									
	Security System								
	Generic	100%			2034	\$25,200	1	\$5,100	
	Other Observation, Extent : Moderate, Area Affected : 100%								
	Location : Exterior Only								
	Explanation : Cameras Security 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%			2054	* *	1		
	Conversion Equipment								
	Hot Water Boiler	50%	Now	\$7,100	2032	\$71,400	1	\$3,100	
		Leak Evident, Extent : Severe, Area Affected : 100%							
		Location : Boiler Room							
	No Component	50%							
Distribution									
	Hot Wtr Piping/Pump	50%	0-2	\$400	2042	* *	4	\$300	
		Other Observation, Extent : Moderate, Area Affected : 5%							
		Location : Basement							
		Explanation : Small Leak At Seal							
	No Component	50%							

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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
Heating									
	Terminal Devices								
	Convactor/Radiator	100%			2047	**	1	\$4,400	
	Controls								
	Electrical	100%			2029	\$37,300			
Air Conditioning									
	Energy Source								
	Electricity	100%			2050	**	1		
	Conversion Equipment								
	Exterior Pkg Unit - Cooling	100%			2039	**	2	\$800	
	Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2	\$22,400	
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$12,100	
	Exhaust Fans								
	Roof	40%			2034	\$10,400	2	\$200	
	Roof	60%			2034	\$15,600	2	\$300	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2044	**	1		
	Water Heater With Tanks								
	Gas Fired	100%			2029	\$33,400	2		
	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%			2039	**	4	\$300	
	Backflow Preventer								
	Generic	100%			2039	**	1	\$800	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Sprinkler								
	Generic	100%			2054	**	1-2	\$3,900	
	Chemical System								
	No Component	95%							
	Generic	5%			2032	\$1,200	1-3	\$5,600	
	Other Observation, Extent : Moderate, Area Affected : 100%								
	Location : Kitchen								
	Explanation : Kitchen Hood Covers 30 Square Feet (5x6), Ansel System								

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

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 283
Address : 885 HOWARD AVENUE
Borough : BROOKLYN
Program / Asset # : FIRSECO.283 / 13169
Area Sq Ft : 11,898
Date of Survey : 18-Jun-2020
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3580 **Lot** : 20 **BIN** : 3081953
Agency's Number : N/A
Yr Built/Renovated : 1974 /
Project Type : FIRE DEPARTMENT
Landmark Status : NONE

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$205,700	
Interior Architecture		\$154,400
Electrical	\$99,500	\$127,000
Site Pavements		\$229,300
Total	\$305,200	\$510,800
Importance Code A	\$205,700	\$63,500
Importance Code B	\$99,500	\$217,900
Importance Code C		\$229,300
Total	\$305,200	\$510,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$33,700	\$1,800		\$5,800
Interior Architecture	\$67,300			\$700
Electrical	\$13,800	\$1,200	\$900	\$900
Mechanical	\$9,900	\$26,000	\$1,400	\$600
Site Enclosure	\$10,500			
Site Pavements	\$18,100			
Total	\$153,400	\$29,100	\$2,300	\$8,100
Importance Code A	\$33,700	\$2,000		\$5,800
Importance Code B	\$73,500	\$27,100	\$2,300	\$2,300
Importance Code C	\$46,100			
Total	\$153,400	\$29,100	\$2,300	\$8,100



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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. 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	\$139,700	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	\$4,700	
	Metal Sect. OHD	15%			2048	* *	5	\$11,600	
	Metal: Cage/Fence	5%	2-4	\$3,600	2036	* *	5	\$2,700	
	Corrosion/Rusting, Extent : Moderate, Area Affected : 50%								
	Location : Exterior Caged Storage								
Windows									
	Aluminum	100%	Now	\$6,200	2039	* *	5	\$700	
	Glazing Clouded, Extent : Moderate, Area Affected : 5%								
	Location : 2nd Floor								
Parapets									
	Concrete Masonry Unit	70%			LIFE	* *	5	\$2,500	
	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	\$4,300	2044	* *			
	Deteriorated Finish, Extent : Severe, Area Affected : 90%								
	Location : Side Yard								
	Modified Bitumen	80%	2-4	\$17,300	2036	* *			
	Ponding, Extent : Light, Area Affected : 5%								
	Location : Upper Roof								
	Sloped Glazing	10%	Now	\$66,000	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	\$2,200	2041	* *	5	\$1,600	
	Misaligned/Bulging, Extent : Light, Area Affected : 10%								
	Location : Corner Exterior Storage								

Interior

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

FIRE DEPARTMENT - 057
ENGINE CO. 283
Asset # : 13169

Architecture		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Interior									
Floors									
Cast in Place Concrete	60%			LIFE	**	5	\$25,000		
Paint Peeling, Extent : Moderate, Area Affected : 25%									
Location : Throughout									
Worn/Eroded, Extent : Moderate, Area Affected : 15%									
Location : Throughout									
Mosaic Tile	5%	Now	\$4,400	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	\$3,100	2031	\$154,400	3	\$2,100		
Broken/Missing Elements, Extent : Light, Area Affected : 2%									
Location : 2nd Floor									
Interior Walls									
Cast in Place Concrete	10%			LIFE	**				
Ceramic Tile	5%	Now	\$1,400	2040	**	5	\$700		
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%									
Location : 1st Floor And 2nd Floor Bath									
Concrete Masonry Unit	42%	4+	\$20,200	LIFE	**	5	\$4,400		
Vertical Cracks, Extent : Moderate, Area Affected : 20%									
Location : 2nd Floor Corridor									
Gypsum Board	8%			LIFE	**	5	\$1,300		
Plaster	10%			LIFE	**	5	\$800		
SGFT/Glazed Masonry	25%			LIFE	**				
Ceilings									
AcousTileConcealSpLn	10%	Now	\$2,900	2036	**	5	\$1,200		
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	\$16,400	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 : N/A, Area Affected : 15%									
Location : 1st Floor									
Staining/Discoloring, Extent : Moderate, Area Affected : 10%									
Location : Throughout 1st Floor									
Exposed Struc: Concrete	35%	Now	\$18,900	LIFE	**	5	\$1,000		
Paint Peeling, Extent : Severe, Area Affected : 60%									
Location : Apparatus Room At Doors									
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. 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 \$10,500 2041 * *

*Corrosion/Rusting, Extent : Moderate, Area Affected : 50%**Location : Parking Lot*

Site Pavements

Public Sidewalk

Cast in Place Concrete

100% 2-4 \$4,200 2036 * *

*Cracking/Crumbling, Extent : Light, Area Affected : 5%**Location : Howard Avenue*

On-Site Walkways

Cast in Place Concrete

100% Now \$2,500 2036 * *

*Cracking/Crumbling, Extent : Moderate, Area Affected : 10%**Location : Over Head Door Apron*

Parking/Driveway

Asphalt

100% Now \$11,500 2034 \$229,300

*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 \$63,500 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 \$63,500 5 \$300

Raceway

Conduit

90% 2031 \$32,400 1

Conduit

10% 2041 * * 1

Panelboards

Molded Case Bkrs

90% 2030 \$43,600 5 \$300

Molded Case Bkrs

10% 2039 * * 5

Wiring

Thermoplastic

90% 2031 \$29,300 1

Thermoplastic

10% 2041 * * 1

Motor Controllers

Locally Mounted

50% 2029 \$8,900 5

Locally Mounted

50% 2048 * * 5

Ground

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

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

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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 \$12,900 1 \$3,700

Generators

Diesel

100% 2027 \$99,500 1 \$4,600
Other Observation, Extent : Light, Area Affected : 100%
Location : Basement
Explanation : No Available Nameplate Rating Capacity

Batteries

Lead/Acid

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

Fuel Storage

Day Tank

5% 2030 \$1,300 5
Other Observation, Extent : Light, Area Affected : 100%
Location : Generator Room
Explanation : 10 Gallons Rated Capacity

Underground Storage

95% LIFE * * 5
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 \$4,400 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.
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*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057**ENGINE CO. 283****Asset # : 13169**

Mechanical		Current Repair		Future Replacement		Maintenance			
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	\$600	
				Other Observation, Extent : Moderate, Area Affected : 100%					
				Location : 2nd Floor					
				Explanation : There Is Only 1 Thermostat In The Building					
Terminal Devices									
	Convactor/Radiator	70%	0-2	\$1,300	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 : N/A, Area Affected : 100%					
				Location : Apparatus Floor					
Air Conditioning									
	Energy Source								
	Electricity	100%			2039	* *	1		
Conversion Equipment									
	Exterior Pkg Unit - Cooling	40%	0-2	\$2,500	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	\$2,600	2026	\$8,800	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	\$4,000	
				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.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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
Ventilation									
	Exhaust Fans								
	Roof	60%			2031	\$13,500	2	\$200	
	Wall Unit	40%			2031	\$2,000	2	\$100	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2041	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2026	\$16,700	2		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : Two 75 Gallon Units								
	Sanitary Piping								
	Cast Iron	10%	Now	\$2,900	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	\$16,100	1-2	\$300	
	Chemical System								
	No Component	99%							
	Generic	1%			2025	\$200	1-3	\$800	
	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 284/LADDER CO. 149
Address : 1157 79th STREET BTWN 11TH AVE - 12TH AVE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.284 / 13170 **Yr Built/Renovated** : 1913 / 1999
Area Sq Ft : 10,350 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 6254 **Lot** : 53 **BIN** : 3161800

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$184,500	
Interior Architecture	\$61,700	
Electrical		\$127,000
Mechanical		\$66,100
Total	\$246,200	\$193,100
Importance Code A	\$184,500	\$63,500
Importance Code B	\$61,700	\$129,600
Total	\$246,200	\$193,100

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$58,800		\$12,600	
Interior Architecture	\$95,700	\$900		\$800
Electrical		\$100	\$2,200	
Mechanical	\$5,400	\$1,400	\$61,500	\$1,400
Site Enclosure	\$20,600			
Total	\$180,500	\$2,400	\$76,300	\$2,100
Importance Code A	\$59,800	\$1,000	\$13,800	\$1,000
Importance Code B	\$14,500	\$1,400	\$62,500	\$1,100
Importance Code C	\$106,300			
Total	\$180,500	\$2,400	\$76,300	\$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. 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	\$184,500	LIFE	**	5	\$22,900		
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%									
Location : Throughout									
Painted Surfaces, Extent : Moderate, Area Affected : 100%									
Location : Sides And Back Of Building									
Water Penetration, Extent : Moderate, Area Affected : 5%									
Location : 2nd And 3rd Floor Living Space									
Masonry: Granite	5%			LIFE	**	5	\$1,100		
Masonry: Limestone	5%			LIFE	**	5	\$1,100		
Metal Sect. OHD	10%			2045	**	5	\$9,000		
Windows									
Aluminum	100%	Now	\$16,200	2048	**	5	\$1,700		
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 5%									
Location : Bunk Rooms And Kitchen									
Caulking Deteriorated, Extent : Moderate, Area Affected : 25%									
Location : Second Floor									
Water Penetration, Extent : Moderate, Area Affected : 5%									
Location : 2nd And 3rd Floor Windows									
Parapets									
Cast Stone/Terra Cotta	20%	Now	\$11,900	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									
Masonry: Brick	30%	Now	\$6,200	LIFE	**	5	\$1,000		
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%									
Location : Throughout Exterior Parapet									
Painted Surfaces, Extent : Moderate, Area Affected : 100%									
Location : Exterior Parapet									
Metal Rail	20%			2045	**	5-10	\$12,200		
Stucco Cement	30%	Now	\$12,200	2037	**	5	\$1,300		
Cracking/Crumbling, Extent : Severe, Area Affected : 100%									
Location : Interior Of Parapet Walls									
Loose/Delam Surface, Extent : Moderate, Area Affected : 10%									
Location : Interior Of Parapet Upper Roof									
Roof									
Asphalt Shingle	10%	Now	\$400	2041	**				
Water Penetration, Extent : Light, Area Affected : 10%									
Location : Gymnasium									
Modified Bitumen	90%			2037	**	10	\$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. 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									
Floors									
	Cast in Place Concrete	50%			LIFE	**	5	\$19,200	
	Ceramic Tile	10%			2041	**	5	\$1,800	
	Quarry Tile	5%			2045	**	5	\$1,300	
	Vinyl Tile	35%			2037	**	3	\$3,100	
Interior Walls									
	Ceramic Tile	5%	Now	\$38,800	2047	**	5	\$600	
	Broken/Missing Elements, Extent : Severe, Area Affected : 100%								
	Location : Kitchen								
	Ceramic Tile	10%			2035	**	5	\$2,400	
	Masonry: Brick	35%	0-2	\$31,400	LIFE	**			
	Cracking/Crumbling, Extent : Light, Area Affected : 10%								
	Location : Throughout								
	Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%								
	Location : Basement								
	Plaster	50%	Now	\$14,300	LIFE	**	5	\$3,600	
	Cracking/Crumbling, Extent : Light, Area Affected : 10%								
	Location : First And Second Floors								
	Water Penetration, Extent : Moderate, Area Affected : 5%								
	Location : 3rd Floor Door To Roof Deck								
Ceilings									
	AcousTileSusp.Lay-In	35%	Now	\$5,000	2045	**	5	\$3,100	
	Broken/Missing Elements, Extent : Severe, Area Affected : 50%								
	Location : 3rd Floor								
	Staining/Discoloring, Extent : Moderate, Area Affected : 10%								
	Location : Around Windows And Gymnasium								
	Exposed Struc: Steel	30%	2-4	\$61,700	LIFE	**			
	Corrosion/Rusting, Extent : Moderate, Area Affected : 15%								
	Location : Below Apron								
	Plaster	35%	Now	\$3,600	LIFE	**	5	\$3,800	
	Cracking/Crumbling, Extent : Light, Area Affected : 10%								
	Location : First Floor								
Site Enclosure									
Fence/Gates									
	Iron Picket	100%			2067	**			
Free Standing Walls									
	Masonry: Brick	39%	Now	\$20,600	2042	**			
	Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
	Location : Rear Yard Side Walls Coping								
	Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
	Location : Rear Yard Side Walls								
	Masonry: Brick	61%			2042	**			
Site Pavements									
On-Site Walkways									
	Cast in Place Concrete	100%			2037	**			

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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

Site Pavements

Parking/Driveway

Cast in Place Concrete	100%	2045	**
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Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%	2032	\$63,500	5	\$300
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Electrical Room**Explanation : Main Service Disconnect Switch Rated At 200 Amperes.*

Switchgear / Switchboard

Molded Case Bkrs	100%	2032	\$63,500	5	\$300
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Raceway

Conduit	100%	2032	\$36,000	1
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Panelboards

Fused Disc Sw	5%	2031	\$2,400	5	
Molded Case Bkrs	85%	2031	\$41,200	5	\$200
Molded Case Bkrs	10%	2048	**	5	

Wiring

Thermoplastic	80%	2032	\$26,000	1	
Thermoplastic	20%	2052	**	1	

Motor Controllers

Locally Mounted	100%	2030	\$17,800	5	\$100
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Ground

Grounding Devices

Generic	100%	LIFE	**	5	\$200
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Lighting

Interior Lighting

Fluorescent	20%	2037	**	10	\$1,900
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : T-8 Lamps*

LED	80%	2040	**
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Exterior Lighting

LED	30%	2040	**
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%	2058	**	1
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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. 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
Heating									
	Conversion Equipment								
	Furnace	5%			2032	\$1,600	1	\$300	
		Other Observation, Extent : Light, Area Affected : 5%							
		Location : Gymnasium							
		Explanation : 1 Modine Gas Fire Unit							
	Steam Boiler	95%			2045	**	1	\$9,700	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : One Unit							
Distribution									
	Steam Piping/Pump	95%			2042	**			
	No Component	5%							
Terminal Devices									
	Convactor/Radiator	80%			2030	\$66,100	1	\$2,700	
	Fan Coil Unit/Heat	15%			2032	\$37,600	1	\$500	
	No Component	5%							
Air Conditioning									
	Energy Source								
	Electricity	100%			2040	**	1		
	Conversion Equipment								
	Split Unit	10%			2027	\$24,000			
		R-22 Refrigerant, Extent : Light, Area Affected : 10%							
		Location : 2 Units, Roof							
	Window/Wall Unit	60%			2027	\$23,000	1		
	No Component	30%							
Terminal Devices									
	Fan Coil - 2 Pipe	10%			2037	**	1	\$300	
	No Component	90%							
Heat Rejection									
	Evaporative Condenser	10%			2027	\$3,700	2	\$700	
	No Component	90%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	40%			LIFE	**	2-5	\$2,300	
	No Component	60%							
Exhaust Fans									
	Interior	20%			2027	\$9,000	2	\$100	
	Roof	20%			2032	\$3,900	2	\$100	
	Wall Unit	10%			2032	\$400	2		
	No Component	50%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	80%			2042	**	1		
	Galvanized Steel	20%	Now	\$500	2030	\$25,800	1		
		Corroded, Extent : Severe, Area Affected : 5%							
		Location : Water Main And Connecting Piping, 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. 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									
	Water Heater With Tanks								
	Gas Fired	100%			2030	\$16,700	2		
	Sanitary Piping								
	Cast Iron	100%	0-2	\$2,500	LIFE	* *	1		
		Corroded, Extent : Moderate, Area Affected : 10%							
		Location : Basement							
	Storm Drain Piping								
	Cast Iron	100%	Now	\$700	LIFE	* *	1		
		Corroded, Extent : Severe, Area Affected : 10%							
		Location : Basement							
	Sump Pump(s)								
	Non-Submersible	100%			2037	* *	4	\$300	
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.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 285/LADDER CO. 142
Address : 103-17 98th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.285 / 13171 **Yr Built/Renovated** : 1913 /
Area Sq Ft : 10,112 **Project Type** : FIRE DEPARTMENT
Date of Survey : 23-Feb-2023 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 9121 **Lot** : 11 **BIN** : 4438526

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$67,100	
Total	\$67,100	
Importance Code C	\$67,100	
Total	\$67,100	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$74,000		\$6,400	
Interior Architecture	\$41,200		\$3,100	\$900
Electrical	\$1,200	\$700	\$700	\$3,100
Mechanical	\$15,500	\$1,600	\$2,200	\$1,500
Total	\$131,800	\$2,300	\$12,400	\$5,500
Importance Code A	\$75,000	\$1,000	\$7,400	\$1,000
Importance Code B	\$51,700	\$1,300	\$5,000	\$4,100
Importance Code C	\$5,100			\$400
Total	\$131,800	\$2,300	\$12,400	\$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. 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	\$13,300	LIFE	* *	5	\$21,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Window Sills On Various Floors								
Masonry: Brick	70%			LIFE	* *	5	\$38,400	
Masonry: Limestone	5%			LIFE	* *	5	\$2,100	
Metal Sect. OHD	15%			2047	* *	5	\$12,900	
Windows								
Aluminum	100%	Now	\$31,900	2059	* *	5	\$300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 25%								
Location : Throughout								
Glazing Broken/Cracked, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor And 3rd Floor								
Unit Inoperable, Extent : Severe, Area Affected : 50%								
Location : Throughout								
Parapets								
Masonry: Brick	90%			LIFE	* *	5-10	\$6,200	
Metal Panel	10%	4+	\$3,200	2054	* *	5	\$200	
Deformed/Dented, Extent : Severe, Area Affected : 10%								
Location : Parapet Coping Cover								
Seams Open/Split, Extent : Severe, Area Affected : 5%								
Location : Parapet Coping Cover								
Caulking Deteriorated, Extent : Moderate, Area Affected : 10%								
Location : Parapet Coping Cover								
Roof								
Metal, Corrugated	5%			2039	* *	1		
Modified Bitumen	95%			2039	* *	10	\$10,100	
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	* *	5	\$19,900	
Ceramic Tile	6%			2043	* *	5	\$900	
Quarry Tile	5%			2047	* *	5	\$1,100	
Vinyl Tile	45%			2039	* *	3	\$2,600	
Vinyl Tile	5%	Now	\$6,100	2039	* *	3	\$300	
Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
Location : Staircase Landings								
Wood	9%			2062	* *	5	\$2,600	

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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	

Interior

Interior Walls

Ceramic Tile	5%			2043	**	5		\$800	
Masonry: Brick	20%			LIFE	**	10		\$900	
Plaster	50%			LIFE	**	5-10		\$6,500	
SGFT/Glazed Masonry	25%	4+		\$67,100	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%			2047	**	5		\$800	
Exposed Struc: Concrete	20%			LIFE	**	5-10		\$3,900	
Exposed Struc: Steel	25%			LIFE	**	10		\$7,900	
Plaster	50%			LIFE	**	5-10		\$13,600	

Site Enclosure

Fence/Gates

Chain Link	100%			2054	**				
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2047	**				
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On-Site Walkways

Cast in Place Concrete	100%			2047	**				
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Electrical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2054	**	5			
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Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room Basement

Explanation : One 400 Ampere Main Disconnect Switch

Switchgear / Switchboard

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

Conduit	100%			2054	**	1			
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Panelboards

Fused Disc Sw	5%			2050	**	5			
Molded Case Bkrs	95%			2050	**	5		\$300	

Wiring

Thermoplastic	100%			2054	**	1			
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Motor Controllers

Locally Mounted	100%			2047	**	5		\$100	
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Ground

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. 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	

Ground

Grounding Devices

Generic

100%

LIFE

* *

5

\$300

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 Basement**Explanation : One 50 Kilowatts*

Batteries

Lead/Acid

100%

2028

\$2,400

5

\$400

Fuel Storage

Day Tank

10%

2050

* *

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Generator Room Basement**Explanation : One 25 Gallons Rated Capacity*

Main Tank

90%

2062

* *

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Fuel Storage Basement**Explanation : One 275 Gallons Rated Capacity*

Lighting

Interior Lighting

LED

100%

2039

* *

Egress Lighting

Emergency, Service

50%

2039

* *

1

Exit, LED

50%

2062

* *

1

Exterior Lighting

LED

30%

2039

* *

No Component

70%

Mechanical

System Component Type		% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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Heating

Energy Source

Natural Gas

100%

2060

* *

1

Conversion Equipment

Steam Boiler

100%

2047

* *

1

\$10,000

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 1 Unit*

Distribution

Steam Piping/Pump

100%

0-2

\$1,600

2044

* *

*Insul. Deteriorating, Extent : Moderate, Area Affected : 10%**Location : Basement*

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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									
	Terminal Devices								
	Convactor/Radiator	80%	0-2	\$1,300	2039	* *	1	\$2,300	
		Corroded, Extent : Light, Area Affected : 30%							
		Location : 2nd And 3rd Floors							
	Unit Heater - Steam	20%			2029	\$11,200	4	\$300	
Air Conditioning									
	Energy Source								
	Electricity	100%			2050	* *	1		
	Conversion Equipment								
	Split Unit	30%	0-2	\$3,500	2039	* *			
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Roof							
		Explanation : 3 Units. R-410a. Unit For Kichen Is Inefficient.							
	Window/Wall Unit	25%			2032	\$9,400	1		
	No Component	45%							
	Terminal Devices								
	Fan Coil - 2 Pipe	30%			2039	* *	1	\$1,000	
	No Component	70%							
	Heat Rejection								
	Dry Cooler	30%			2039	* *	2	\$2,100	
	No Component	70%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	30%			LIFE	* *	2-5	\$2,700	
	No Component	70%							
	Exhaust Fans								
	Interior	30%			2039	* *	2	\$100	
	Roof	10%			2039	* *	2		
	Wall Unit	20%			2039	* *	2	\$100	
	No Component	40%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2054	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2034	\$33,400	2		
		Recent Installation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon Units							
	Sanitary Piping								
	Cast Iron	100%	0-2	\$6,200	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 5%							
		Location : 2nd Floor. Clogged And Blockage Drain							
	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%			2029	\$300	4	\$300	
Fixtures									
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	98%							
	Generic	2%			2032	\$300	1-3	\$1,500	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Kitchen								
	Explanation : 1 Set								

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$228,200	\$100,000
Interior Architecture	\$84,400	\$92,900
Electrical		\$63,500
Mechanical		\$13,700
Total	\$312,600	\$270,100
Importance Code A	\$228,200	\$163,500
Importance Code B	\$84,400	\$71,600
Importance Code C		\$35,100
Total	\$312,600	\$270,100

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$57,900	\$10,500	\$300	
Interior Architecture	\$112,100	\$500		\$700
Electrical	\$100	\$11,600	\$100	\$100
Mechanical	\$24,500	\$2,500	\$1,400	\$1,500
Site Enclosure	\$5,100			
Site Pavements	\$3,200			
Total	\$203,000	\$25,000	\$1,800	\$2,300
Importance Code A	\$58,800	\$11,400	\$1,200	\$900
Importance Code B	\$87,100	\$13,600	\$600	\$1,400
Importance Code C	\$57,100			
Total	\$203,000	\$25,000	\$1,800	\$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. 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	\$163,800	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+	\$900	LIFE	* *	5	\$400	
	Broken/Missing Elements, Extent : Light, Area Affected : 2%							
	Location : Along Base At Overhead Door Entrance Corners							
Masonry: Limestone	10%	4+	\$64,400	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	\$4,900	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							

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. 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	\$900	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	\$1,200	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	\$40,000	2031	\$100,000			
		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

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. 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	\$43,600	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	\$1,200	2034	\$57,800	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	\$1,900	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	\$3,200	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	\$35,100	5	\$700	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Apparatus Floor							
		Explanation : Painted Tile							
	Gypsum Board	30%			LIFE	* *	5	\$2,300	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Second And Third Floor							
		Explanation : Renovated Four Years Ago							
	Masonry: Brick	15%	Now	\$18,200	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	\$30,300	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	\$1,600	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							

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. 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	\$5,600	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 Struc: Concrete	23%	Now	\$84,400	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	* *				
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basment									
Explanation : Vault									
Gypsum Board	5%			LIFE	* *	5	\$800		
Plaster	15%	Now	\$5,600	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	\$5,100	2041	* *				
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%									
Location : Side Yard									
Site Pavements									
Public Sidewalk									
Cast in Place Concrete	100%	Now	\$2,300	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	\$900	2036	* *				
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%									
Location : Side 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.
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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	\$63,500	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	\$24,200	5	\$100	
	Wiring								
	Thermoplastic	100%			2041	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2036	* *	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Lighting									
	Interior Lighting								
	Fluorescent	100%			2036	* *	10	\$8,000	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Throughout The Building							
		Explanation : T-8 Lamps							
	Egress Lighting								
	Emergency, Battery	50%			2031	\$7,200	10	\$1,100	
	Exit, Service	50%			2031	\$1,800	1		
	Exterior Lighting								
	HID	20%			2031	\$8,000	10		
	No Component	80%							
Alarm									
	Security System								
	No Component	80%							
	Generic	20%			2026	\$3,200	1	\$700	
		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	\$13,700			
	Steam Piping/Pump	80%			2057	* *			
	Terminal Devices								
	Convactor/Radiator	90%			2044	* *	1	\$2,600	
	Unit Heater - Steam	10%	0-2	\$2,900	2041	* *	4	\$100	
	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	\$1,000	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%			2025	\$13,000	1		
	No Component	40%							
	Terminal Devices								
	Fan Coil - 2 Pipe	20%			2036	* *	1	\$600	
	No Component	80%							
	Heat Rejection								
	Air Cooled Condenser	20%			2036	* *	2	\$1,200	
	Unit								
	No Component	80%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	25%			LIFE	* *	2-5	\$1,200	
	No Component	75%							
	Exhaust Fans								
	Interior	10%	0-2	\$3,800	2041	* *	2		
	Obsolete Equipment, Extent : Moderate, Area Affected : 100%								
	Location : Bathrooms								
	Roof	10%			2031	\$1,700	2		
	Wall Unit	20%			2026	\$700	2	\$100	
	Other Observation, Extent : Moderate, Area Affected : 20%								
	Location : Apparatus Floor								
	Explanation : Apparatus Floor Air Circulation Is Poor								
	No Component	60%							

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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 With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
				Other Observation, Extent : Light, Area Affected : 100%					
				Location : Cellar					
				Explanation : 75 Gallon Heater					
	Sanitary Piping								
	Cast Iron	100%	0-2	\$2,200	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%			2025	\$300	4	\$300	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	99%							
	Generic	1%			2026	\$200	1-3	\$700	
				Other Observation, Extent : Light, Area Affected : 100%					
				Location : Kitchen					
				Explanation : 1 Set					

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$435,000	
Interior Architecture		\$301,100
Mechanical		\$251,600
Total	\$435,000	\$552,600
Importance Code A	\$435,000	
Importance Code B		\$424,600
Importance Code C		\$128,100
Total	\$435,000	\$552,600

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$90,400	\$3,600		
Interior Architecture	\$68,300	\$500		\$500
Electrical	\$3,200	\$6,300	\$600	\$600
Mechanical	\$60,500	\$2,300	\$5,700	\$2,000
Total	\$222,400	\$12,700	\$6,300	\$3,100
Importance Code A	\$90,800	\$4,100	\$400	\$400
Importance Code B	\$79,300	\$8,600	\$5,900	\$2,700
Importance Code C	\$52,300			
Total	\$222,400	\$12,700	\$6,300	\$3,100



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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+	\$25,000	2066	* *				
	Misaligned/Bulging, Extent : Moderate, Area Affected : 25%								
	Location : Cornice At Front Of Building								
Masonry: Brick	70%	Now	\$297,600	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	\$400		
Masonry: Limestone	10%			LIFE	* *	5	\$2,000		
Metal Sect. OHD	5%			2044	* *	5	\$4,100		
	Recent Replace Evident, Extent : N/A, 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	\$38,500	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	\$27,000	LIFE	* *	5	\$2,400	1	
	Cracking/Crumbling, Extent : Severe, Area Affected : 50%								
	Location : Cast Stone Copings At Parapet								
Masonry: Brick	85%	Now	\$63,800	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	\$73,600	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

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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	\$15,300	
	Ceramic Tile	10%			2034	\$70,000	5	\$1,300	
	Quarry Tile	5%			2036	* *	5	\$1,000	
	Vinyl Tile	30%			2031	\$103,000	3	\$1,900	
Interior Walls									
	Ceramic Tile	15%			2034	\$128,100	5	\$2,400	
	Ceramic Tile	25%	Now	\$28,800	2040	* *	5	\$2,000	
		Broken/Missing Elements, Extent : Moderate, Area Affected : 40%							
		Location : Various Locations In Apparatus Room, Around Windows							
	Gypsum Board	30%	Now	\$1,300	LIFE	* *	5	\$2,900	
		Water Penetration, Extent : Severe, Area Affected : 80%							
		Location : Second Floor Office At Windows							
	Masonry: Brick	15%	Now	\$22,200	LIFE	* *			
		Vertical Cracks, Extent : Moderate, Area Affected : 50%							
		Location : Basement							
		Water Penetration, Extent : Moderate, Area Affected : 50%							
		Location : Basement							
	Plaster	15%			LIFE	* *	5	\$700	
Ceilings									
	AcousTileSusp.Lay-In	35%	Now	\$14,500	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	* *			
	Gypsum Board	5%	Now	\$1,100	LIFE	* *	5	\$800	
		Water Penetration, Extent : Severe, Area Affected : 5%							
		Location : Soffit Of 2nd Floor Windows							
	Plaster	30%			LIFE	* *	5	\$2,400	
Site Enclosure									
Fence/Gates									
	Chain Link	50%			2051	* *			
	Chain Link	50%			2041	* *			
Site Pavements									
Public Sidewalk									
	Cast in Place Concrete	100%			2044	* *			

Electrical		Current Repair			Future Replacement		Maintenance		
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. 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	\$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 64 Kilowatts							
	Batteries								
	Lead/Acid	100%			2025	\$2,400	5	\$300	
	Fuel Storage								
	Day Tank	50%			2047	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Outside							
		Explanation : One 60 Gallons							
	Main Tank	50%			2046	* *	5		
		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	* *			

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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

\$1,900

1

Emergency, Service

15%

2039

* *

1

No Component

50%

Exterior Lighting

HID

30%

2031

\$12,000

10

No Component

70%

Mechanical		Current Repair		Future Replacement		Maintenance			
System	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 : N/A, Area Affected : 100%**Location : Rooftop*

Hot Water Boiler

50%

2036

* *

1

\$2,200

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 5 Boilers Piped Together*

Distribution

Ductwork/Diffusers

50%

LIFE

* *

2-5

\$2,500

Hot Wtr Piping/Pump

50%

2039

* *

4

\$200

Terminal Devices

Air Handler

50%

2036

* *

1

\$2,700

Convactor/Radiator

40%

2044

* *

1

\$1,100

Unit Heater - Steam

10%

2036

* *

4

\$100

*Other Observation, Extent : N/A, Area Affected : 25%**Location : Apparatus Room**Explanation : 2 Units***Air Conditioning**

Energy Source

Electricity

100%

2047

* *

1

Conversion Equipment

Exterior Pkg Unit -

Cooling

90%

0-2

\$25,400

2031

\$84,800

2

\$400

*Other Observation, Extent : Severe, Area Affected : 80%**Location : Roof**Explanation : The Air Conditioning Units Blows Hot Air Instead Of Cold Air. Building**Extremly Hot In Summer*

Window/Wall Unit

10%

2029

\$3,300

1

*Other Observation, Extent : Moderate, Area Affected : 10%**Location : Engine Office Room**Explanation : Engine Office Air Conditioning Wall Unit Is Not Working*

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FIRE DEPARTMENT - 057
ENGINE CO. 287/LADDER CO. 136
Asset # : 13173

Mechanical		Current Repair		Future Replacement		Maintenance			
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	\$10,300	
	No Component	10%							
Terminal Devices									
	Air Handler/Cool/Ht	100%	0-2	\$33,400	2031	\$166,800	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	\$4,900	
Exhaust Fans									
	Interior	50%			2036	**	2	\$100	
	Roof	50%			2036	**	2	\$100	
Plumbing									
H/C Water Piping									
	Brass/Copper	100%			2051	**	1		
Water Heater With Tanks									
	Electric	100%			2029	\$23,100	4		
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	\$800	1-3	\$4,200	
	No Component	95%							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028		FY 2029 - 2034	
Exterior Architecture	\$159,600		\$127,300	
Interior Architecture	\$136,500		\$50,500	
Electrical			\$10,600	
Total	\$296,100		\$188,400	
Importance Code A	\$159,600		\$127,300	
Importance Code B	\$136,500		\$10,600	
Importance Code C			\$50,500	
Total	\$296,100		\$188,400	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$85,200			\$800
Interior Architecture	\$149,800	\$2,000		\$800
Electrical		\$100		
Mechanical	\$7,500	\$7,800	\$1,200	\$1,400
Site Pavements	\$12,000			
Total	\$254,600	\$9,900	\$1,200	\$3,000
Importance Code A	\$85,900	\$800	\$700	\$1,600
Importance Code B	\$78,400	\$9,100	\$500	\$1,400
Importance Code C	\$90,300			
Total	\$254,600	\$9,900	\$1,200	\$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. 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	\$159,600	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	\$600	
Masonry: Limestone	20%	2-4	\$43,600	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	\$2,300	
	Painted Surfaces, Extent : Light, Area Affected : 100%							
	Location : Parapet							
Masonry: Granite	10%			LIFE	**	5	\$300	
Roof								
Copper/Terne	3%	0-2	\$3,200	2046	**			
	Drains Clogged, Extent : Severe, Area Affected : 5%							
	Location : 3rd Floor At Base Of Copper Roofs							
Modified Bitumen	85%	0-2	\$38,200	2031	\$127,300			
	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	**			
Interior								
Floors								
Cast in Place Concrete	38%			LIFE	**	5	\$11,000	
Mosaic Tile	10%			2036	**	5	\$3,300	
Quarry Tile	3%			2036	**	5	\$600	
Terrazzo	2%			LIFE	**	5	\$200	
Vinyl Tile	47%	2-4	\$18,400	2041	**	3	\$2,300	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 10%							
	Location : Throughout							
	Worn/Eroded, Extent : Moderate, Area Affected : 40%							
	Location : Throughout							

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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
Interior								
Interior Walls								
Ceramic Tile	5%	Now	\$1,000	2034	\$50,500	5	\$400	
	Adhesion Failure, Extent : Light, Area Affected : 5%							
	Location : Bathrooms							
Masonry: Brick	25%	0-2	\$43,700	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	\$16,600	LIFE	**			
	Cracking/Crumbling, Extent : Moderate, Area Affected : 15%							
	Location : Bathroom							
	Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%							
	Location : Bathroom							
Plaster	65%	Now	\$29,000	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	\$2,400	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 Struc: Concrete	10%	0-2	\$10,600	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	\$136,500	LIFE	**			
	Corrosion/Rusting, Extent : Moderate, Area Affected : 50%							
	Location : Basement							
Plaster	65%	Now	\$28,100	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							

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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

Site Enclosure

Fence/Gates

Chain Link

100%

2041

* *

Site Pavements

Public Sidewalk

Cast in Place Concrete

100%

Now

\$12,000

2051

* *

*Other Observation, Extent : Severe, Area Affected : 10%**Location : Sidewalk Hatch Leaking Into Basement**Explanation : Leaking Hatch*

Parking/Driveway

Cast in Place Concrete

100%

2044

* *

Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% 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

\$10,600

5

Wiring

Thermoplastic

25%

2031

\$8,900

1

Thermoplastic

75%

2041

* *

1

Motor Controllers

Locally Mounted

100%

2036

* *

5

\$100

Lighting

Interior Lighting

LED

100%

2039

* *

Exterior Lighting

HID

30%

2031

\$12,000

10

No Component

70%

Mechanical		Current Repair			Future Replacement		Maintenance		
System 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. 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%			2036	**	2	\$200	
	Steam Boiler	90%			2036	**	1	\$7,100	
	Distribution								
	Steam Piping/Pump	100%			2041	**			
	Terminal Devices								
	Convactor/Radiator	95%			2036	**	1	\$2,500	
	No Component	5%							
Air Conditioning									
	Energy Source								
	Electricity	100%			2039	**	1		
	Conversion Equipment								
	Split Unit	20%			2036	**			
	Window/Wall Unit	20%			2026	\$6,500	1		
	Window/Wall Unit	25%	0-2	\$4,900	2031	\$8,100	1		
	Unit Inoperable, Extent : Moderate, Area Affected : 100%								
	Location : Various Locations								
	No Component	35%							
	Terminal Devices								
	Fan Coil - 2 Pipe	25%			2031	\$42,500	1	\$700	
	No Component	75%							
	Heat Rejection								
	Air Cooled Condenser Unit	20%			2036	**	2	\$1,100	
	No Component	80%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	20%			LIFE	**	2-5	\$900	
	No Component	80%							
	Exhaust Fans								
	Interior	25%			2031	\$9,500	2	\$100	
	Roof	5%			2031	\$800	2		
	Wall Unit	20%	Now	\$700	2041	**	2		
	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									
	H/C Water Piping								
	Brass/Copper	90%			2051	**	1		
	Brass/Copper	10%	0-2	\$200	2051	**	1		
	Not Insulated, Extent : Moderate, Area Affected : 30%								
	Location : Basement								

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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									
	Water Heater With Tanks								
	Gas Fired	100%			2029	\$18,300	2		
		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%			2025	\$300	4	\$300	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	99%							
	Generic	1%			2025	\$200	1-3	\$800	

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 290/LADDER CO. 103
Address : 480 SHEFFIELD AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.290 / 13176 **Yr Built/Renovated** : 1913 /
Area Sq Ft : 8,689 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Nov-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3804 **Lot** : 43 **BIN** : 3084622

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$559,100	
Interior Architecture	\$109,100	\$137,800
Electrical		\$127,000
Mechanical		\$190,900
Total	\$668,200	\$455,700
Importance Code A	\$559,100	\$63,500
Importance Code B		\$392,200
Importance Code C	\$109,100	
Total	\$668,200	\$455,700

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$26,400	\$200		\$4,000
Interior Architecture	\$103,800	\$900		\$1,700
Electrical	\$4,000	\$400	\$400	\$2,100
Mechanical	\$54,200	\$7,200	\$8,400	\$23,200
Total	\$188,400	\$8,600	\$8,900	\$31,100
Importance Code A	\$27,200	\$1,000	\$800	\$4,900
Importance Code B	\$149,700	\$7,100	\$8,100	\$26,200
Importance Code C	\$11,600	\$500		
Total	\$188,400	\$8,600	\$8,900	\$31,100



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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

Architecture		Current Repair		Future 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%			2053	**	10	\$200	
Cast Stone/Terra Cotta	3%	Now	\$7,600	LIFE	**	5	\$7,600	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Front Facade								
Concrete Masonry Unit	5%			LIFE	**	5	\$1,000	
Masonry: Brick	83%	Now	\$434,200	LIFE	**	5	\$27,000	
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : Throughout								
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Vegetation Growth, Extent : Light, Area Affected : 5%								
Location : Right Facade								
Masonry: Granite	2%			LIFE	**	5	\$500	
Metal Sect. OHD	5%	4+	\$1,200	2046	**	5	\$2,500	
Deformed/Dented, Extent : Moderate, Area Affected : 2%								
Location : Inside Panels Of Door								
Windows								
Aluminum	100%			2049	**	5	\$2,400	
Parapets								
Masonry: Brick	35%	0-2	\$17,600	LIFE	**	5	\$700	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 35%								
Location : Throughout								
Spalling, Extent : Moderate, Area Affected : 30%								
Location : Throughout								
Metal Panel	65%			2053	**	5	\$5,100	
Other Observation, Extent : N/A, Area Affected : 65%								
Location : Coping Stones								
Explanation : Metal Panel Cover								
Roof								
Asphalt Shingle	10%			2046	**	10	\$200	
Modified Bitumen	80%	Now	\$124,900	2043	**			
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Main Roof, Hose Tower								
Modified Bitumen	10%			2038	**	10	\$1,500	
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$16,000	
Ceramic Tile	5%			2036	**	5	\$700	
Quarry Tile	10%			2038	**	5	\$2,200	
Vinyl Tile	35%	4+	\$6,900	2033	\$137,800	3	\$1,900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Throughout								

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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									
Interior Walls									
	Ceramic Tile	5%			2036	**	5	\$1,000	
	Gypsum Board	10%			LIFE	**	5	\$1,200	
	Masonry: Brick	30%	Now	\$109,100	LIFE	**			
	Cracking/Crumbling, Extent : Severe, Area Affected : 15%								
	Location : Basement								
	Plaster	25%	Now	\$11,600	LIFE	**	5	\$1,500	
	Cracking/Crumbling, Extent : Severe, Area Affected : 15%								
	Location : Throughout, Apparatus Floor								
	SGFT/Glazed Masonry	30%			LIFE	**			
Ceilings									
	AcousTileSusp.Lay-In	5%	0-2	\$3,500	2038	**	5	\$400	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
	Location : 1st And 2nd Floor; Kitchen								
	Staining/Discoloring, Extent : Moderate, Area Affected : 50%								
	Location : Throughout								
	Exposed Struc: Concrete	20%	Now	\$41,600	LIFE	**	5	\$400	
	Cracking/Crumbling, Extent : Severe, Area Affected : 15%								
	Location : Throughout								
	Exposed Struc: Steel	35%	4+	\$23,400	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	\$16,900	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%			2053	**			
	Free Standing Walls								
	Masonry: Brick	100%			2053	**			
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%			2046	**			
	On-Site Walkways								
	Cast in Place Concrete	100%			2046	**			
	Parking/Driveway								
	Asphalt	60%			2042	**			
	Cast in Place Concrete	40%			2046	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 290/LADDER CO. 103
Asset # : 13176

Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts									
	Service Equipment								
	Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : One 400 Ampere Main Disconnect Switch							
	Switchgear / Switchboard								
	Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
	Raceway								
	Conduit	100%			2033	\$36,000	1		
	Panelboards								
	Fused Disc Sw	5%			2032	\$2,400	5		
	Molded Case Bkrs	95%			2032	\$46,000	5	\$200	
	Wiring								
	Thermoplastic	100%			2033	\$32,500	1		
	Motor Controllers								
	Locally Mounted	100%			2031	\$17,800	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Lighting									
	Interior Lighting								
	Fluorescent	20%			2038	* *	10	\$1,600	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Alley, Basement							
	Fluorescent	5%	Now	\$3,700	2043	* *			
		Malfunctioning, Extent : Severe, Area Affected : 100%							
		Location : Basement							
	LED	75%			2041	* *			
	Exterior Lighting								
	LED	20%			2041	* *			
	No Component	80%							
Alarm									
	Security System								
	Generic	100%			2041	* *	1	\$3,300	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Outside							
		Explanation : CCTV Cameras Installed By Fire Department Personnel							

Mechanical		Current Repair		Future 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%			2053	* *	1		

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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									
	Conversion Equipment								
	Hot Water Boiler	20%			2046	* *	1	\$900	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : 1st Floor							
		Explanation : Located In Front Of Members Room							
	Steam Boiler	80%			2046	* *	1	\$6,900	
Distribution									
	Hot Wtr Piping/Pump	20%			2055	* *	4	\$100	
	Central Plant Steam Piping/Pmp	80%			2033	\$190,900	4	\$500	
Terminal Devices									
	Convactor/Radiator	90%	0-2	\$18,700	2038	* *	1	\$2,300	
		Leak Evident, Extent : Moderate, Area Affected : 30%							
		Location : Leaking Radiators Leaking Throughout							
	Unit Heater - Steam	10%			2038	* *	4	\$100	
Air Conditioning									
	Energy Source								
	Electricity	100%			2049	* *	1		
Conversion Equipment									
	Exterior Pkg Unit - Cooling	30%			2041	* *	2	\$200	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : 1st Floor							
		Explanation : 4 Split Units. 410 A Refrigerant							
	Split Unit	30%			2038	* *			
	Window/Wall Unit	20%			2028	\$6,400	1		
	No Component	20%							
Distribution									
	Ductwork/Diffusers	30%			LIFE	* *	2	\$3,400	
	No Component	70%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%	Now	\$18,600	LIFE	* *	2-5	\$4,800	
		Needs Cleaning, Extent : Moderate, Area Affected : 100%							
		Location : Throughout							
Exhaust Fans									
	Roof	50%			2033	\$8,200	2	\$100	
	Wall Unit	50%			2033	\$1,800	2	\$100	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2043	* *	1		
Water Heater With Tanks									
	Gas Fired	100%			2031	\$33,400	2		
		Other Observation, Extent : Light, Area Affected : 2%							
		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. 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									
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%			2026	\$300	4	\$300	
	Backflow Preventer								
	No Component	95%							
	Generic	5%			2033	\$200	1		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : Serves Boiler Only								
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Wet	100%			2031	\$16,700	1-3	\$97,500	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Kitchen, Covers 21 Square Feet								
	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$238,400	
Interior Architecture	\$215,700	\$285,000
Electrical		\$63,500
Mechanical		\$107,800
Total	\$454,100	\$456,300
Importance Code A	\$238,400	
Importance Code B	\$157,200	\$227,900
Importance Code C	\$58,600	\$228,400
Total	\$454,100	\$456,300

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$64,200			
Interior Architecture	\$116,400			\$600
Electrical	\$100	\$100		
Mechanical	\$42,200	\$23,700	\$1,300	\$1,200
Site Pavements	\$2,100			
Total	\$224,900	\$23,800	\$1,300	\$1,800
Importance Code A	\$65,100	\$900	\$900	\$900
Importance Code B	\$142,300	\$22,900	\$400	\$900
Importance Code C	\$17,500			
Total	\$224,900	\$23,800	\$1,300	\$1,800



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

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 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	\$34,700	LIFE	**	5	\$17,500	
		Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%							
		Location : Main Facade							
	Copper/Terne	2%	Now	\$58,700	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+	\$179,700	LIFE	**	5	\$22,300	
		Joint Mortar Miss/Erod, Extent : Light, Area Affected : 2%							
		Location : Metropolitan Avenue And Hose Tower							
	Masonry: Granite	5%	2-4	\$8,100	LIFE	**	5	\$1,000	
		Broken/Missing Elements, Extent : Moderate, Area Affected : 10%							
		Location : Door Jambs							
	Wood Overhead Doors	5%	2-4	\$2,000	2036	**	5	\$3,500	
		Broken/Missing Elements, Extent : Moderate, Area Affected : 10%							
		Location : Glass Window Panes							
Windows									
	Aluminum	100%	Now	\$19,500	2039	**	5	\$300	
		Cttrwt/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	\$2,400	
	Masonry: Brick	70%			LIFE	**	5	\$700	
Roof									
	Modified Bitumen	100%			2039	**	10	\$10,200	
		Recent Installation, Extent : N/A, 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	\$57,700	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	\$56,700	5	\$500		
Broken/Missing Elements, Extent : Light, Area Affected : 10%									
Location : 2nd And 3rd Floor Bathroom									
Marble Panels	4%	Now	\$44,100	LIFE	* *	5	\$400		
Cracking/Crumbling, Extent : Moderate, Area Affected : 100%									
Location : Stairs									
Quarry Tile	5%	2-4	\$900	2036	* *	5	\$500		
Cracking/Crumbling, Extent : Light, Area Affected : 5%									
Location : Kitchen									
Vinyl Tile	20%	Now	\$20,800	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	\$9,000	2041	* *	3	\$900		
Worn/Eroded, Extent : Moderate, Area Affected : 100%									
Location : 2nd And 3rd Floor									
Interior Walls									
Ceramic Tile	30%	2-4	\$11,400	2034	\$228,400	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+	\$300	LIFE	* *	5	\$600		
Paint Peeling, Extent : Light, Area Affected : 10%									
Location : 2nd And 3rd Floor Bunkrooms And Gymnasium									
Masonry: Brick	30%	Now	\$58,600	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	\$3,700	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	\$23,800	2044	* *	5	\$2,400	
Staining/Discoloring, Extent : Moderate, Area Affected : 5%								
Location : Kitchen								
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Kitchen								
Exposed Struc: Concrete	25%	0-2	\$99,500	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+	\$1,100	LIFE	* *	5	\$4,100	
Broken/Missing Elements, Extent : Light, Area Affected : 10%								
Location : 3rd Floor Bunkroom								
Recent Installation, Extent : N/A, 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+	\$300	2044	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Side Alley								
Parking/Driveway								
Cast in Place Concrete	100%	4+	\$1,700	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	\$14,700	5		
Other Observation, Extent : N/A, Area Affected : 100%								
Location : Basement								
Explanation : Main Service Disconnect Switch Rated At 200 Amperes.								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2031	\$63,500	5	\$200	
Raceway								
Conduit	100%			2031	\$36,000	1		
Panelboards								
Molded Case Bkrs	50%			2039	* *	5	\$100	
Molded Case Bkrs	50%			2030	\$24,200	5	\$100	

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 291/LADDER CO. 140
Asset # : 13177

Electrical		Current Repair			Future Replacement		Maintenance		
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

\$16,300

1

Motor Controllers

Locally Mounted

100%

2029

\$17,800

5

\$100

Ground

Grounding Devices

Not Accessible

100%

Lighting

Interior Lighting

LED

100%

2039

* *

Exterior Lighting

LED

10%

2039

* *

No Component

90%

Mechanical

System Component Type		% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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Heating

Energy Source

Natural Gas

20%

2041

* *

1

Natural Gas

80%

Now

\$900

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

\$100

2041

* *

*Insul. Deteriorating, Extent : Moderate, Area Affected : 30%**Location : Cellar*

Steam Piping/Pump

90%

2041

* *

Terminal Devices

Convactor/Radiator

100%

0-2

\$3,400

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

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. 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
Air Conditioning									
	Conversion Equipment								
	Window/Wall Unit	70%			2026	\$22,300	1		
	No Component	30%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	10%			LIFE	* *	2-5	\$500	
	No Component	90%							
	Exhaust Fans								
	Roof	10%			2031	\$1,600	2		
	Wall Unit	20%	0-2	\$700	2041	* *	2		
		Malfunctioning, Extent : Moderate, Area Affected : 100%							
		Location : Apparatus Floor							
	No Component	70%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2031	\$107,800	1		
	Water Heater With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
		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	\$1,100	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 20%							
		Location : Basement And Apparatus Floor							
	Cast Iron	50%	Now	\$31,700	LIFE	* *	1		
		Corroded, Extent : Severe, Area Affected : 100%							
		Location : Cellar							
	Storm Drain Piping								
	Cast Iron	100%	Now	\$3,000	LIFE	* *	1		
		Corroded, Extent : Severe, Area Affected : 20%							
		Location : Basement							
	Sump Pump(s)								
	Submersible	100%			2025	\$300	4	\$300	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	99%							
	Generic	1%			2026	\$200	1-3	\$700	

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$461,700	\$77,800
Interior Architecture		\$93,900
Total	\$461,700	\$171,700
Importance Code A	\$461,700	\$77,800
Importance Code C		\$93,900
Total	\$461,700	\$171,700

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$6,100	\$1,800		\$4,400
Interior Architecture	\$129,100	\$200	\$400	
Electrical		\$3,600		
Mechanical	\$7,700	\$11,300	\$1,200	\$1,300
Total	\$142,900	\$16,800	\$1,600	\$5,800
Importance Code A	\$6,800	\$2,600	\$800	\$5,200
Importance Code B	\$69,600	\$14,300	\$800	\$600
Importance Code C	\$66,500			
Total	\$142,900	\$16,800	\$1,600	\$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
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	\$167,000	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+	\$900	LIFE	* *	5	\$400	
		Broken/Missing Elements, Extent : Light, Area Affected : 5%							
		Location : Base At Garage Corners							
	Masonry: Limestone	10%	Now	\$98,500	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 : N/A, Area Affected : 100%							
		Location : Front Garage Doors							
	Stucco Cement	5%			2051	* *	5	\$3,600	
		Repairs in Progress, Extent : N/A, Area Affected : 100%							
		Location : Kitchen Extension							
Windows									
	Aluminum	100%	Now	\$145,200	2056	* *	5	\$1,600	
		Air Infiltration, Extent : Severe, Area Affected : 75%							
		Location : Throughout							
		Ctwt/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.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific 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									
Parapets									
Cast Stone/Terra Cotta	25%			LIFE	* *	5	\$5,300		
Masonry: Brick	75%	Now	\$51,000	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	\$77,800	10	\$7,300		
Roll Roofing	15%	Now	\$5,200	2033	\$8,700	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	\$13,700	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	\$35,000	5	\$600		
Quarry Tile	3%	Now	\$500	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 : N/A, Area Affected : 100%									
Location : Second Floor									
Wood	2%			2066	* *	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. 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	\$1,900	2034	\$93,900	5	\$900		
	Adhesion Failure, Extent : Severe, Area Affected : 5%								
	Location : Third And Second Floor Bathrooms								
Gypsum Board	30%	Now	\$1,400	LIFE	**	5	\$3,100		
	Horizontal Cracks, Extent : Moderate, Area Affected : 5%								
	Location : Third Floor Bathroom								
Masonry: Brick	20%	Now	\$32,500	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	\$30,700	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	\$1,000	2036	**	5	\$600		
	Water Penetration, Extent : Severe, Area Affected : 10%								
	Location : Second And Third Floor								
AcousTileSusp.Lay-In	20%	4+	\$800	2048	**	5	\$1,300		
	Staining/Discoloring, Extent : Moderate, Area Affected : 5%								
	Location : Second Floor								
Exposed Struc: Concrete	50%	Now	\$46,500	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	**				
Gypsum Board	10%			LIFE	**	5	\$1,600		
Site Enclosure									
Fence/Gates									
Under Construction	100%								
Site Pavements									
Public Sidewalk									
Cast in Place Concrete	100%			2044	**				
Parking/Driveway									
Cast in Place Concrete	100%			2044	**				
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Driveway								
	Explanation : Shed For Next Door Construction								

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

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% 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	\$100	
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	\$1,600	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	\$1,200	2051	**			
		Malfunctioning, Extent : Moderate, Area Affected : 10% Location : The Only Thermostat In Building, 2nd Floor							
	Terminal Devices								
	Convactor/Radiator	100%	0-2	\$1,200	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	\$9,900	1		
	No Component	40%							
	Terminal Devices								
	Fan Coil - 2 Pipe	25%			2036	**	1	\$600	
	No Component	75%							
	Heat Rejection								
	Air Cooled Condenser	25%			2036	**	2	\$1,300	
	Unit								
	No Component	75%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	15%			LIFE	**	2-5	\$600	
	No Component	85%							
	Exhaust Fans								
	Interior	25%	0-2	\$4,100	2036	**	2		
		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	\$600	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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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 292/RESCUE CO. 4
Asset # : 13178

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	Water Heater With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
			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%			2025	\$200	4	\$200	
	Fixtures								
	Generic	100%							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 293
Address : 89-40 87th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.293 / 13179 **Yr Built/Renovated** : 1915 / 2006
Area Sq Ft : 4,225 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Feb-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 8968 **Lot** : 25 **BIN** : 4185536

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$10,600		\$200	\$14,900
Interior Architecture	\$9,700			
Electrical	\$300	\$300	\$2,800	\$400
Mechanical	\$6,900	\$900	\$900	\$800
Site Enclosure	\$700			
Total	\$28,300	\$1,200	\$3,800	\$16,100
Importance Code A	\$11,000	\$400	\$600	\$15,300
Importance Code B	\$15,500	\$900	\$3,300	\$800
Importance Code C	\$1,800			
Total	\$28,300	\$1,200	\$3,800	\$16,100



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. 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%			LIFE	**	5	\$13,900	
	Masonry: Limestone	10%			LIFE	**	5	\$1,500	
	Metal Panel	15%			2058	**	5-10	\$20,500	
	Metal Sect. OHD	5%			2049	**	5	\$3,100	
Windows									
	Aluminum	100%			2054	**	5	\$1,100	
Parapets									
	Cast Stone/Terra Cotta	5%			LIFE	**	5	\$800	
	Masonry: Brick	85%			LIFE	**	5	\$1,700	
	Masonry: Limestone	5%			LIFE	**	5	\$100	
	Metal Panel	5%			2052	**	5	\$400	
Roof									
	Single Ply Membrane	90%			2040	**	10	\$5,900	
	Sloped Glazing	10%	0-2	\$10,600	LIFE	**	5	\$8,700	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : End Of Driveway								
	Explanation : Plastic Corrugated Panels Movement								
Soffits									
	Exposed Struc: Steel	100%			LIFE	**	5		
Interior									
Floors									
	Cast in Place Concrete	45%			LIFE	**	5	\$6,200	
	Ceramic Tile	5%			2045	**	5	\$300	
	Mosaic Tile	5%			2049	**	5	\$800	
	Sheet Vinyl/Rubber	5%			2040	**	5	\$500	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Gymnasium								
	Explanation : Material Rubber Matt								
	Sheet Vinyl/Rubber	5%			2040	**	5	\$500	
	Wood	35%	0-2	\$6,400	2060	**	5	\$2,100	
	Deteriorated Finish, Extent : Moderate, Area Affected : 35%								
	Location : Second And Third Floor Corridors								
Interior Walls									
	Ceramic Tile	20%			2045	**	5	\$2,200	
	Concrete Masonry Unit	5%			LIFE	**	5	\$200	
	Gypsum Board	50%			LIFE	**	5	\$3,300	
	Masonry: Brick	25%			LIFE	**			
Ceilings									
	AcousTileSusp.Lay-In	15%	Now	\$300	2049	**	5	\$500	
	Broken/Missing Elements, Extent : Light, Area Affected : 5%								
	Location : Bunk Room								
	Exposed Struc: Steel	25%			LIFE	**			
	Gypsum Board	60%	Now	\$1,300	LIFE	**	5	\$4,600	
	Water Penetration, Extent : Light, Area Affected : 5%								
	Location : Office								
Site Enclosure									

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

FIRE DEPARTMENT - 057
ENGINE CO. 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 Enclosure								
Fence/Gates								
Chain Link	70%			2058		* *		
Metal: Cage/Fence	30%	Now	\$700	LIFE		* *		
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : Gate								
Explanation : Gate Very Heavy And Difficult To Operate								
Free Standing Walls								
Masonry: Brick	100%			2058		* *		
Other Observation, Extent : N/A, Area Affected : 100%								
Location : End Of Driveway								
Explanation : Glazed Masonry Brick								
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2049		* *		
Parking/Driveway								
Asphalt	100%			2045		* *		

Electrical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2058		* *	5	
Other Observation, Extent : N/A, Area Affected : 100%								
Location : Electrical Room								
Explanation : Main Service Disconnect Switch Rated At 400 Amperes.								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2058		* *	5	\$100
Raceway								
Conduit	100%			2058		* *	1	
Panelboards								
Molded Case Bkrs	100%			2054		* *	5	\$100
Wiring								
Thermoplastic	100%			2058		* *	1	
Motor Controllers								
Locally Mounted	100%			2049		* *	5	
Ground								
Grounding Devices								
Generic	100%			LIFE		* *	5	\$100
Stand-by Power								
Transfer Switches								
Automatic	100%			2049		* *	1	\$1,300

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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
Stand-by Power									
Generators									
	Diesel	100%			2045	* *	1	\$1,600	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Side Yard									
Explanation : Emergency Generator Rated At 80 Kilowatts									
Batteries									
	Lead/Acid	100%			2027	\$2,400	5	\$200	
Fuel Storage									
	Main Tank	100%			2067	* *	5		
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Side Yard									
Explanation : 168 Gallons Rated Capacity									
Lighting									
Interior Lighting									
	LED	100%			2040	* *			
Egress Lighting									
	Emergency, Service	50%			2040	* *	1		
	Exit, LED	50%			2067	* *	1		
Exterior Lighting									
	LED	20%			2040	* *			
	No Component	80%							
Alarm									
Security System									
	No Component	80%							
	Generic	20%			2040	* *	1	\$300	
Other Observation, Extent : N/A, 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%			2052	* *	1		
	Conversion Equipment								
	Furnace	20%			2040	* *	1	\$400	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Roof							
		Explanation : 2 Rooftop Package Units							
	Steam Boiler	80%			2049	* *	1	\$3,400	
		Other Observation, Extent : N/A, 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									
	Steam Piping/Pump	80%			2058	**			
	No Component	20%							
Terminal Devices									
	Convactor/Radiator	40%			2049	**	1	\$600	
	Fan Coil Unit/Heat	20%			2040	**	1	\$300	
	Unit Heater - Steam	20%			2037	**	4	\$100	
	No Component	20%							
Air Conditioning									
Energy Source									
	Electricity	100%			2054	**	1		
Conversion Equipment									
	Ext Pkg Unit - Heating/Cooling	55%	0-2	\$1,900	2040	**	2	\$100	
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Roof							
		Explanation : 2 Package Units. R-410a. Bunker Room And Kitchen Are In Lack Of Air Conditioning							
	Split Unit	5%			2040	**			
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Outside Wall							
		Explanation : 1 Unit.							
	No Component	40%							
Terminal Devices									
	Fan Coil - 2 Pipe	5%			2040	**	1	\$100	
	No Component	95%							
Heat Rejection									
	Air Cooled Condenser Unit	5%			2040	**	2	\$100	
	No Component	95%							
Ventilation									
Distribution									
	Ductwork/Diffusers	60%	0-2	\$2,200	LIFE	**	2-5	\$1,400	
		Insul. Deteriorating, Extent : Moderate, Area Affected : 25%							
		Location : Causes Condensation Leaking In 2nd Floor And Kitchen.							
	No Component	40%							
Exhaust Fans									
	Interior	20%			2040	**	2		
	Roof	30%			2040	**	2		
	No Component	50%							
Plumbing									
H/C Water Piping									
	Brass/Copper	100%	0-2	\$1,100	2052	**	1		
		Corroded, Extent : Moderate, Area Affected : 10%							
		Location : Various Locations							
Water Heater With Tanks									
	Gas Fired	100%			2031	\$16,700	2		

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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									
	Sanitary Piping								
	Cast Iron	100%	0-2	\$1,000	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 10%							
		Location : Basement							
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%			2026	\$100	4	\$100	
	Backflow Preventer								
	Generic	100%			2040	* *	1	\$300	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Sprinkler								
	Generic	100%			2058	* *	1-2	\$1,200	
	Chemical System								
	No Component	99%							
	Generic	1%			2031	\$200	1-3	\$800	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Kitchen							
		Explanation : 1 Set							

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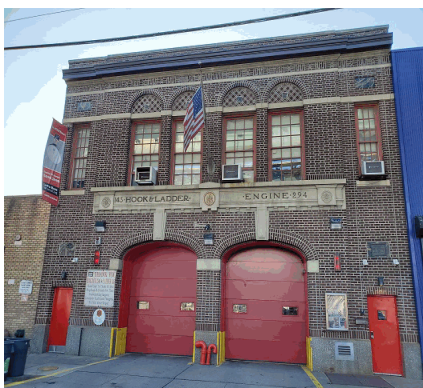
Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$85,300	\$114,400
Interior Architecture	\$144,000	\$428,800
Electrical		\$127,000
Total	\$229,300	\$670,200
Importance Code A	\$85,300	\$177,900
Importance Code B	\$91,700	\$190,300
Importance Code C	\$52,300	\$302,000
Total	\$229,300	\$670,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$88,400	\$4,100		
Interior Architecture	\$70,400			\$600
Electrical	\$6,500	\$6,300		
Mechanical	\$20,400	\$30,500	\$1,200	\$1,300
Site Pavements	\$1,900			
Total	\$187,700	\$41,000	\$1,200	\$1,900
Importance Code A	\$89,100	\$4,900	\$700	\$700
Importance Code B	\$77,000	\$36,000	\$500	\$1,200
Importance Code C	\$21,600			
Total	\$187,700	\$41,000	\$1,200	\$1,900



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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. 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	\$85,300	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	\$1,000	
	Masonry: Limestone	5%			LIFE	* *	5	\$1,000	
	Metal Sect. OHD	10%			2036	* *	5	\$8,300	
Windows									
	Aluminum	85%	Now	\$25,100	2039	* *	5	\$900	
	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	\$2,500	2039	* *	5	\$1,600	
	Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 100%								
	Location : 2nd Floor North								
Parapets									
	Cast Stone/Terra Cotta	10%	4+	\$1,000	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	\$45,700	2031	\$114,400			
			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	\$37,300	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	\$200	LIFE	* *	5	\$100	
			Horizontal Cracks, Extent : Severe, Area Affected : 5%					
			Location : Second Floor Shower Pan					
Vinyl Tile	45%	Now	\$6,300	2031	\$126,800	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	\$200	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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Maintenance \$ are aggregated over a ten-year period. Site specific 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

Architecture		Current 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	\$2,400	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	\$302,000	5	\$5,600	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Apparatus Floor									
Explanation : Tile Is Painted Over									
	Gypsum Board	5%	4+	\$300	LIFE	* *	5	\$700	
Punct/Tear/Impact Damage, Extent : Light, Area Affected : 2%									
Location : Bathrooms									
	Masonry: Brick	25%	Now	\$52,300	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	\$18,700	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 Struc: Concrete	30%	Now	\$91,700	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	\$700	
	Plaster	25%	Now	\$3,900	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	\$1,700	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									

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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	\$63,500	5	\$200	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : One 400 Amperes							
	Switchgear / Switchboard								
	Molded Case Bkrs	100%			2031	\$63,500	5	\$200	
	Raceway								
	Conduit	90%			2031	\$32,400	1		
	Conduit	10%			2041	* *	1		
	Panelboards								
	Fused Disc Sw	5%			2030	\$2,400	5		
	Molded Case Bkrs	75%			2039	* *	5	\$100	
	Molded Case Bkrs	20%			2030	\$9,700	5		
	Wiring								
	Braided Cloth	20%	4+	\$6,500	2056	* *	1		
		Insulation Aged, Extent : Moderate, Area Affected : 100%							
		Location : Basement							
	Thermoplastic	60%			2041	* *	1		
	Thermoplastic	20%			2031	\$6,500	1		
	Motor Controllers								
	Locally Mounted	100%			2036	* *	5		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Lighting									
	Interior Lighting								
	Fluorescent	85%			2036	* *	10	\$5,400	
		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	\$5,700	10	\$800	
	Exit, Service	50%			2031	\$1,500	1		
	Exterior Lighting								
	HID	30%			2031	\$9,500	10		
	No Component	70%							
Alarm									
	Security System								
	No Component	95%							
	Generic	5%			2031	\$600	1	\$100	

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FIRE DEPARTMENT - 057
ENGINE CO. 294/LADDER CO. 143
Asset # : 13180

Mechanical		Current Repair			Future Replacement		Maintenance		
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	\$3,300	2061	**			
		Corroded, Extent : Severe, Area Affected : 100%							
		Location : Cellar Mechanical Room							
Terminal Devices									
	Convactor/Radiator	95%			2044	**	1	\$2,100	
	Unit Heater - Steam	5%			2026	\$1,900	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	\$4,900	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	\$10,300	1		
	No Component	30%							
Terminal Devices									
	Fan Coil - 2 Pipe	30%			2036	**	1	\$700	
	No Component	70%							
Heat Rejection									
	Air Cooled Condenser	30%			2036	**	2	\$1,500	
	Unit								
	No Component	70%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	20%			LIFE	**	2-5	\$800	
	No Component	80%							

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FIRE DEPARTMENT - 057
ENGINE CO. 294/LADDER CO. 143
Asset # : 13180

Mechanical		Current Repair		Future Replacement		Maintenance			
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	\$2,600	2		
	Wall Unit	20%	0-2	\$600	2041	* *	2		
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Apparatus Floor							
		Explanation : In Extended Life Time And Inefficient Unit							
	No Component	60%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2041	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2026	\$16,700	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Cellar Mechanical Room							
		Explanation : Two 75 Gallon Heaters							
	Sanitary Piping								
	Cast Iron	100%	0-2	\$8,600	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	\$1,200	LIFE	* *	1		
		Corroded, Extent : Moderate, Area Affected : 20%							
		Location : Basement							
	Sump Pump(s)								
	Submersible	100%			2025	\$200	4	\$200	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	99%							
	Generic	1%			2026	\$200	1-3	\$700	

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 295/LADDER CO. 144
Address : 12-49 149th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.295 / 13181 **Yr Built/Renovated** : 1913 /
Area Sq Ft : 7,626 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-Feb-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 4505 **Lot** : 7 **BIN** : 4102462

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$343,900	\$77,400
Interior Architecture	\$1,143,700	
Electrical		\$63,500
Total	\$1,487,700	\$141,000
Importance Code A	\$343,900	\$77,400
Importance Code B	\$990,200	\$63,500
Importance Code C	\$153,500	
Total	\$1,487,700	\$141,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$29,800	\$17,800		\$5,300
Interior Architecture	\$54,800	\$3,700	\$300	\$600
Electrical	\$10,200			\$7,100
Mechanical	\$24,300	\$22,000	\$7,800	\$15,700
Site Enclosure	\$20,300			
Site Pavements	\$27,600			
Total	\$166,900	\$43,600	\$8,200	\$28,600
Importance Code A	\$33,000	\$18,600	\$800	\$6,000
Importance Code B	\$50,600	\$21,300	\$7,400	\$22,600
Importance Code C	\$83,200	\$3,700		
Total	\$166,900	\$43,600	\$8,200	\$28,600



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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
Exterior									
Exterior Walls									
	Copper/Terne	3%	Now	\$4,800	2068	**			
		Broken/Missing Elements, Extent : Moderate, Area Affected : 5%							
		Location : At Cornice							
	Masonry: Brick	70%	Now	\$343,900	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+	\$5,900	LIFE	**	5	\$1,100	
		Broken/Missing Elements, Extent : Moderate, Area Affected : 2%							
		Location : Front Facade. Left Side							
	Masonry: Limestone	10%			LIFE	**	5	\$2,300	
	Metal Sect. OHD	12%			2050	**	5	\$11,500	
		Recent Replace Evident, Extent : N/A, Area Affected : 100%							
		Location : Apparatus Overhead Entry Door							
Windows									
	Aluminum	95%	4+	\$6,500	2049	**	5	\$1,400	
		Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 5%							
		Location : 1st Floor							
	Aluminum	5%	0-2	\$6,900	2058	**	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%			2068	**	5	\$10,600	
Roof									
	Modified Bitumen	73%			2033	\$77,400	10	\$7,300	
	Roll Roofing	25%			2026	\$15,800	5	\$4,100	
	Skylight, Metal/Glass	2%			2043	**	10	\$700	

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 295/LADDER CO. 144
Asset # : 13181

Architecture		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Interior									
Floors									
Cast in Place Concrete	50%	Now	\$531,700	LIFE	**	5	\$14,000		
Cracking/Crumbling, Extent : Severe, 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%			2042	**	5	\$600		
Marble Panels	2%	4+	\$2,700	LIFE	**	5	\$200		
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%									
Location : Stairs									
Quarry Tile	5%	4+	\$2,300	2046	**	5	\$500		
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%									
Location : Kitchen Area									
Steel Plate	2%	Now	\$10,300	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	\$124,300	2043	**	3	\$1,700		
Broken/Missing Elements, Extent : Severe, Area Affected : 30%									
Location : 2nd Floor									
Other Observation, Extent : N/A, Area Affected : 75%									
Location : 2nd Floor									
Explanation : 9x9 Tiles									
Interior Walls									
Cast in Place Concrete	25%	Now	\$153,500	LIFE	**				
Spalling, Extent : Severe, Area Affected : 40%									
Location : Basement									
Vertical Cracks, Extent : Moderate, Area Affected : 10%									
Location : Basement									
Ceramic Tile	45%			2036	**	5	\$7,400		
Plaster	30%	Now	\$35,400	LIFE	**	5	\$1,500		
Cracking/Crumbling, Extent : Severe, 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 : Severe, Area Affected : 50%									
Location : Basement Stairs									

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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								
Ceilings								
AcousTileSusp.Lay-In	10%	Now	\$4,200	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 Struc: Concrete	15%	Now	\$281,000	LIFE	* *	5	\$300	
	Cracking/Crumbling, Extent : Severe, Area Affected : 50%							
	Location : Basement							
	Exposed Reinforcement, Extent : Severe, Area Affected : 20%							
	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	\$53,200	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, Locker Room							
Site Enclosure								
Fence/Gates								
Chain Link	50%	0-2	\$20,300	2053	* *			
	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%			2053	* *			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	0-2	\$21,900	2046	* *			
	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	\$5,700	2046	* *			
	Cracking/Crumbling, Extent : Moderate, Area Affected : 5%							
	Location : Left Side Driveway							

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

Under 600 Volts

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

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts									
	Service Equipment								
	Fused Disc Sw	100%			2033	\$14,700	5		
				Enclosure Corroded, Extent : Light, Area Affected : 20%					
				Location : Basement					
				Other Observation, Extent : Light, Area Affected : 100%					
				Location : Basement					
				Explanation : One 200 Ampere Main Disconnect Switch					
	Switchgear / Switchboard								
	Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
				Enclosure Corroded, Extent : Light, Area Affected : 50%					
				Location : Basement					
	Raceway								
	Conduit	80%			2033	\$28,800	1		
	Conduit	20%			2053	* *	1		
	Panelboards								
	Fused Disc Sw	5%			2032	\$2,400	5		
	Molded Case Bkrs	50%			2049	* *	5	\$100	
	Molded Case Bkrs	45%			2032	\$21,800	5	\$100	
	Wiring								
	Thermoplastic	60%			2033	\$19,500	1		
	Thermoplastic	40%			2053	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2031	\$17,800	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%	0-2	\$10,200	LIFE	* *	5	\$100	
				Corroded, Extent : Moderate, Area Affected : 100%					
				Location : Water Main Basement					
Lighting									
	Interior Lighting								
	Fluorescent	5%			2033	\$3,200	10	\$400	
				T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%					
				Location : Kitchen					
	LED	95%			2038	* *			
	Exterior Lighting								
	HID	20%			2028	\$7,000	10		
	LED	10%			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								
	Natural Gas	100%			2053	* *	1		

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

FIRE DEPARTMENT - 057
ENGINE CO. 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									
	Conversion Equipment								
	Steam Boiler	100%	0-2	\$3,200	2046	* *	1	\$6,800	
		Corroded, Extent : Moderate, Area Affected : 5%							
		Location : Bolier Plate Corroded							
	Distribution								
	Central Plant Steam Piping/Pmp	100%			2043	* *	4	\$400	
	Terminal Devices								
	Convector/Radiator	90%			2038	* *	1	\$2,200	
	Fan Coil Unit/Heat	10%			2033	\$18,500	1	\$300	
Air Conditioning									
	Energy Source								
	Electricity	100%			2049	* *	1		
	Conversion Equipment								
	Window/Wall Unit	50%			2026	\$14,100	1		
	No Component	50%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	5%			LIFE	* *	2-5	\$200	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : 1st Floor							
		Explanation : Kitchen Exhaust							
	No Component	95%							
	Exhaust Fans								
	Roof	5%			2033	\$700	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Roof							
		Explanation : Kitchen Exhaust							
	Wall Unit	10%			2028	\$300	2		
	No Component	85%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	10%			2053	* *	1		
	Galvanized Steel	90%	Now	\$1,700	2038	* *	1		
		Corroded, Extent : Severe, Area Affected : 10%							
		Location : Some Equipment Around Meter							
	Water Heater With Tanks								
	Gas Fired	100%			2031	\$33,400	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 2 Units. 74 Gallons							
	Sanitary Piping								
	Cast Iron	100%	0-2	\$4,700	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 100%							
		Location : Occasional Sewage Backup In Basement							
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 295/LADDER CO. 144
Asset # : 13181

Mechanical		Current Repair		Future Replacement		Maintenance			
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%			2026	\$200	4	\$200	
	Backflow Preventer								
	No Component	95%							
	Generic	5%			2041	* *	1		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : Serves Boiler								
Fixtures									
	Generic	100%							
	Leaking Faucets/Valves/Heads, Extent : Moderate, Area Affected : 5%								
	Location : Various Locations								
Fire Suppression									
	Chemical System								
	Generic	100%			2031	\$19,100	1-3	\$97,100	
	Other Observation, Extent : Light, Area Affected : 10%								
	Location : Kitchen								
	Explanation : 1 Set Kitchen Fire Suppression System Covers 24 Square Feet								

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

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

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 297/LADDER CO. 130
Address : 119-11 14th ROAD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.297 / 13183 **Yr Built/Renovated** : 1931 / 2012
Area Sq Ft : 5,676 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Feb-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 4054 **Lot** : 17 **BIN** : 4098032

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$249,400	\$90,400
Interior Architecture	\$850,800	
Electrical		\$63,500
Site Enclosure	\$98,300	
Total	\$1,198,500	\$153,900
Importance Code A	\$249,400	\$90,400
Importance Code B	\$949,100	\$63,500
Total	\$1,198,500	\$153,900

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$3,900			
Interior Architecture	\$24,800	\$900	\$200	\$500
Electrical	\$9,700	\$100		
Mechanical	\$2,600	\$1,000	\$900	\$9,200
Site Pavements	\$47,800			
Total	\$88,700	\$2,000	\$1,200	\$9,700
Importance Code A	\$4,400	\$600	\$600	\$600
Importance Code B	\$25,600	\$500	\$600	\$9,100
Importance Code C	\$58,800	\$900		
Total	\$88,700	\$2,000	\$1,200	\$9,700



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. 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	\$249,400	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	
	Metal Sect. OHD	10%			2050	* *	5	\$5,800	
Windows									
	Aluminum	100%			2055	* *	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%			2033	\$90,400	10	\$8,500	
Interior									
Floors									
	Cast in Place Concrete	50%	Now	\$381,000	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%			2042	* *	5	\$500	
	Vinyl Tile	45%	0-2	\$11,100	2038	* *	3	\$1,500	
	Worn/Eroded, Extent : Severe, Area Affected : 35%								
	Location : Second Floor Throughout And Kitchen								
Interior Walls									
	Cast in Place Concrete	20%			LIFE	* *			
	Ceramic Tile	15%			2036	* *	5	\$1,800	
	Gypsum Board	15%			LIFE	* *	5	\$1,100	
	Masonry: Brick	10%	0-2	\$11,000	LIFE	* *			
	Worn/Eroded, Extent : Moderate, Area Affected : 10%								
	Location : Basement Stairs								
	Plaster	40%	4+	\$2,300	LIFE	* *	5	\$1,400	
	Paint Peeling, Extent : Moderate, Area Affected : 30%								
	Location : Roof Scuttle								

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

FIRE DEPARTMENT - 057
ENGINE CO. 297/LADDER CO. 130
Asset # : 13183

Architecture		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Interior									
Ceilings									
AcousTileSusp.Lay-In	8%			2050	**	5	\$700		
Exposed Struc: Concrete	35%	Now	\$469,800	LIFE	**	5	\$500		
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									
Other Observation, Extent : Severe, Area Affected : 100%									
Location : Basement									
Explanation : Lolly Columns Support Installed In Basement									
Plaster	57%			LIFE	**	5	\$3,300		
Site Enclosure									
Fence/Gates									
Chain Link	100%			2043	**				
Retaining Walls									
Cast in Place Concrete	100%	Now	\$98,300	2083	**				
Cracking/Crumbling, Extent : Severe, Area Affected : 25%									
Location : Throughout									
Loose/Delam Surface, Extent : Severe, Area Affected : 10%									
Location : Throughout									
Misaligned/Bulging, Extent : Severe, Area Affected : 25%									
Location : Throughout									
Site Pavements									
Public Sidewalk									
Cast in Place Concrete	100%	4+	\$2,300	2046	**				
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%									
Location : 14th Road									
On-Site Walkways									
Cast in Place Concrete	100%			2038	**				
Parking/Driveway									
Cast in Place Concrete	100%	Now	\$45,400	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

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. 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%			2033	\$14,700	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Main Service Disconnect Switch Rated At 200 Amperes.							
	Switchgear / Switchboard								
	Fused Disc Sw	100%			2033	\$63,500	5		
	Raceway								
	Conduit	50%			2043	* *	1		
	Conduit	50%			2033	\$18,000	1		
	Panelboards								
	Molded Case Bkrs	80%			2041	* *	5	\$100	
	Molded Case Bkrs	20%	2-4	\$9,700	2058	* *	5		
		Enclosure Corroded, Extent : Moderate, Area Affected : 100%							
		Location : Basement							
	Wiring								
	Thermoplastic	100%			2043	* *	1		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Lighting									
	Interior Lighting								
	LED	100%			2041	* *			
	Egress Lighting								
	Emergency, Battery	50%			2041	* *	10	\$700	
	Exit, LED	50%			2068	* *	1		
	Exterior Lighting								
	LED	30%			2041	* *			
	No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Energy Source								
	Natural Gas	100%			2053	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2046	* *	1	\$5,600	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Explanation : 1 Unit								
	Distribution								
	Steam Piping/Pump	100%			2043	* *			
	Terminal Devices								
	Convactor/Radiator	100%			2050	* *	1	\$1,800	

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 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
Air Conditioning									
	Energy Source								
	Electricity	100%			2041	**	1		
	Conversion Equipment								
	Split Unit	10%			2041	**			
	Window/Wall Unit	40%			2028	\$8,400	1		
	No Component	50%							
	Terminal Devices								
	Fan Coil - 2 Pipe	10%			2041	**	1	\$200	
	No Component	90%							
	Heat Rejection								
	Air Cooled Condenser Unit	10%			2041	**	2	\$400	
	No Component	90%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	20%			LIFE	**	2-5	\$600	
	No Component	80%							
	Exhaust Fans								
	Roof	20%			2038	**	2		
	Wall Unit	20%			2033	\$500	2		
	No Component	60%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	5%	0-2	\$700	2043	**	1		
		Not Insulated, Extent : Moderate, Area Affected : 20% Location : Basement							
	Brass/Copper	95%			2043	**	1		
	Water Heater With Tanks								
	Gas Fired	100%			2032	\$33,400	2		
		Other Observation, Extent : N/A, Area Affected : 100% Location : Basement Explanation : Two 75 Gallons Units							
	Sanitary Piping								
	Cast Iron	30%	0-2	\$1,000	LIFE	**	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 5% Location : Front Of The Basement							
	Cast Iron	70%			LIFE	**	1		
	Storm Drain Piping								
	Cast Iron	20%			LIFE	**	1		
	Cast Iron	80%			LIFE	**	1		
	Sump Pump(s)								
	Submersible	100%			2026	\$200	4	\$200	
	Fixtures								
	Generic	100%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 298/LADDER CO. 127 BATTALION 50
Address : 153-11 HILLSIDE AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.298 / 13184 **Yr Built/Renovated** : 1965 / 2007
Area Sq Ft : 7,937 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Oct-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 9706 **Lot** : 66 **BIN** : 4207481

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$237,700	\$132,300
Electrical	\$13,500	\$116,000
Total	\$251,200	\$248,400
Importance Code A	\$237,700	\$132,300
Importance Code B	\$13,500	\$116,000
Total	\$251,200	\$248,400

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture		\$3,000		\$7,100
Interior Architecture	\$28,200	\$1,300	\$1,300	\$600
Electrical	\$10,600	\$3,500	\$900	\$4,300
Mechanical	\$29,000	\$6,800	\$7,100	\$49,400
Site Enclosure		\$500		
Site Pavements	\$30,300			
Total	\$98,200	\$15,000	\$9,400	\$61,400
Importance Code A	\$400	\$3,400	\$400	\$7,500
Importance Code B	\$56,800	\$11,100	\$8,100	\$53,900
Importance Code C	\$41,000	\$500	\$900	
Total	\$98,200	\$15,000	\$9,400	\$61,400



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. 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%	Now	\$107,000	LIFE	**	5	\$13,300	1
Corrosion/Rusting, Extent : Moderate, Area Affected : 75%								
Location : Rusted Brick Relieving Angle								
Diagonal Cracks, Extent : Severe, Area Affected : 25%								
Location : Isolated At Multiple Locations Along The 4 Elevations								
Loose Units, Extent : Moderate, Area Affected : 5%								
Location : Base Of Front Facade								
Misaligned/Bulging, Extent : Moderate, Area Affected : 2%								
Location : Lower Section Of Front Facade								
Metal Panel	10%			2053	**	5-10	\$13,100	
Metal Sect. OHD	10%			2046	**	5	\$5,900	
Window Wall	10%			2053	**	5	\$7,100	
Windows								
Aluminum	100%	Now	\$130,700	2058	**	5	\$1,400	
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.								
Roof								
Built-Up (BUR)	100%			2033	\$132,300	10	\$11,600	
Soffits								
Cast in Place Concrete	100%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$13,900	
Ceramic Tile	7%			2042	**	5	\$900	
Quarry Tile	7%			2046	**	5	\$1,300	
Vinyl Tile	36%	Now	\$12,300	2038	**	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								

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

FIRE DEPARTMENT - 057
ENGINE CO. 298/LADDER CO. 127 BATTALION 50
Asset # : 13184

Architecture		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Interior									
Interior Walls									
Cast in Place Concrete	10%	0-2	\$2,700	LIFE	**				
Water Penetration, Extent : Light, Area Affected : 10%									
Location : South Basement Wall									
Ceramic Tile	10%			2042	**	5	\$1,800		
Concrete Masonry Unit	15%			LIFE	**	5	\$1,100		
Gypsum Board	15%	Now	\$3,700	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	\$4,300	LIFE	**	5	\$1,100		
Water Penetration, Extent : Moderate, Area Affected : 100%									
Location : Captain Office At Window									
SGFT/Glazed Masonry	30%			LIFE	**				
Ceilings									
AcousTileSusp.Lay-In	10%			2046	**	5	\$1,300		
Exposed Struc: Concrete	20%			LIFE	**	5	\$400		
Plaster	70%	2-4	\$5,300	LIFE	**	5	\$5,500		
Water Penetration, Extent : Moderate, Area Affected : 10%									
Location : Southeast 2nd Floor Office									
Site Enclosure									
Fence/Gates									
Aluminum Rail	35%			2046	**	5-10	\$800		
Other Observation, Extent : N/A, Area Affected : 35%									
Location : Roof									
Explanation : Guard Rail									
Chain Link	65%			2053	**				
Retaining Walls									
Cast in Place Concrete	100%			2068	**				
Site Pavements									
Public Sidewalk									
Cast in Place Concrete	100%			2046	**				
On-Site Walkways									
Cast in Place Concrete	100%	2-4	\$1,300	2046	**				
Ponding, Extent : Moderate, Area Affected : 2%									
Location : Side Yard To The Right									

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

FIRE DEPARTMENT - 057
ENGINE CO. 298/LADDER CO. 127 BATTALION 50
Asset # : 13184

Architecture	Current Repair			Future Replacement		Maintenance		
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 \$29,000 2046 * *

Cracking/Crumbling, Extent : Severe, Area Affected : 5%

Location : Curb Cut Ramp

Sinking/Subsiding, Extent : Moderate, Area Affected : 100%

Location : At The Edge Of Sidewalk And Curb Cut

Tripping Hazard, Extent : Severe, Area Affected : 10%

Location : Curb Cut Ramp

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

Under 600 Volts

Service Equipment

Fused Disc Sw 100% 2033 \$14,700 5

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

Location : Electrical Room Basement

Explanation : One 400 Ampere Main Disconnect Switch

Switchgear / Switchboard

Molded Case Bkrs 100% 2033 \$63,500 5 \$200

Raceway

Conduit 90% 2033 \$32,400 1

Conduit 10% 2043 * * 1

Panelboards

Fused Disc Sw 5% 2032 \$2,400 5

Molded Case Bkrs 40% 2032 \$19,400 5 \$100

Molded Case Bkrs 55% 2041 * * 5 \$100

Wiring

Braided Cloth 30% 0-2 \$9,800 2058 * * 1

Insulation Aged, Extent : Moderate, Area Affected : 100%

Location : Throughout The Building

Thermoplastic 50% 2033 \$16,300 1

Thermoplastic 20% 2043 * * 1

Motor Controllers

Locally Mounted 100% 2031 \$17,800 5 \$100

Ground

Grounding Devices

Generic 100% LIFE * * 5 \$100

Stand-by Power

Transfer Switches

Automatic 100% 2038 * * 1 \$2,400

Generators

Diesel 100% 2036 * * 1 \$3,100

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

Location : Outside The Building

Explanation : One 81 Kilovolt Amperes

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 298/LADDER CO. 127 BATTALION 50
Asset # : 13184

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Stand-by Power									
	Batteries								
	Lead/Acid	100%			2026	\$2,400	5	\$300	
Fuel Storage									
	Day Tank	50%			2041	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Generator Room Outside							
		Explanation : One 60 Gallons							
	Main Tank	50%			2036	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : One 550 Gallons Main Tank							
Lighting									
	Interior Lighting								
	Fluorescent	78%			2033	\$52,500	10	\$5,700	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Throughout The Building							
	Fluorescent	20%			2028	\$13,500	10	\$1,500	
		T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : 1st Floor And Basement							
	Incandescent	2%			2028	\$1,900	2		
Egress Lighting									
	Emergency, Service	60%			2033	\$2,900	1		
	Exit, Service	40%			2033	\$1,300	1		
Exterior Lighting									
	HID	20%			2033	\$7,200	10		
	No Component	80%							
Alarm									
	Security System								
	Generic	100%			2041	* *	1	\$3,000	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Front OfThe 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%			2053	* *	1		
	Conversion Equipment								
	Hot Water Boiler	100%			2050	* *	1	\$3,900	
	Distribution								
	Hot Wtr Piping/Pump	100%	0-2	\$800	2041	* *	4	\$400	
		Corroded, Extent : Moderate, Area Affected : 10%							
		Location : Basement. Corroded Hot Water Piping							

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 298/LADDER CO. 127 BATTALION 50
Asset # : 13184

Mechanical		Current 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%			2046	* *	1	\$1,800	
	Unit Heater - Steam	30%			2033	\$13,200	4	\$300	
Air Conditioning									
	Energy Source								
	Electricity	100%			2049	* *	1		
	Conversion Equipment								
	Reciprocating	20%			2033	\$22,900	1	\$700	
	Compr/Chiller								
	Split Unit	10%			2038	* *			
	Window/Wall Unit	55%	0-2	\$1,600	2028	\$16,200	1		
		Malfunctioning, Extent : Moderate, Area Affected : 10%							
		Location : Various Location. Four Window, Wall Units Not Working							
	No Component	15%							
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%			2033	\$40,200	1	\$500	
	No Component	80%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	20%			LIFE	* *	2-5	\$900	
	No Component	80%							
	Exhaust Fans								
	Interior	25%			2033	\$8,600	2	\$100	
	Interior	25%	0-2	\$8,600	2043	* *	2		
		Malfunctioning, Extent : Severe, Area Affected : 50%							
		Location : Apparatus Room, 1 Of 2 Defective Exhaust Fans							
	Roof	50%			2033	\$7,500	2	\$100	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2053	* *	1		
		No Water Meter, 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. 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									
	Water Heater With Tanks								
	Electric	50%			2031	\$11,500	4		
	Gas Fired	50%			2031	\$8,300	2		
	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%			LIFE	* *	1		
Storm Drain Piping									
	Cast Iron	100%	0-2	\$1,400	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%			2026	\$200	4	\$300	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : Dual Pumps								
Fixtures									
	Generic	100%							
Fire Suppression									
	Chemical System								
	Wet	100%			2028	\$16,700	1-3	\$97,500	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Kitchen								
	Explanation : Over Range Kitchen Fire Suppression System Covers 21 Square Feet (3x7).								

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 299/LADDER CO. 152
Address : 61-20 UTOPIA PARKWAY
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.299 / 13185 **Yr Built/Renovated** : 1960 / 2006
Area Sq Ft : 5,920 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Oct-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 6891 **Lot** : 3 **BIN** : 4148798

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$113,300	
Electrical		\$127,000
Total	\$113,300	\$127,000
Importance Code A	\$113,300	\$63,500
Importance Code B		\$63,500
Total	\$113,300	\$127,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$72,900			
Interior Architecture	\$73,500	\$700		\$500
Electrical	\$13,000		\$100	\$1,100
Mechanical	\$20,000	\$28,400	\$6,100	\$17,200
Site Enclosure	\$7,200			
Total	\$186,700	\$29,100	\$6,100	\$18,800
Importance Code A	\$73,200	\$300	\$300	\$400
Importance Code B	\$54,600	\$28,500	\$5,800	\$18,400
Importance Code C	\$58,900	\$300		
Total	\$186,700	\$29,100	\$6,100	\$18,800



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. 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%	2-4	\$30,400	LIFE	**	5	\$18,900	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%								
Location : Around Overhead Door								
Masonry: Limestone	5%			LIFE	**	5	\$800	
Metal Sect. OHD	5%	Now	\$37,200	2053	**	5	\$1,600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Overhead Door								
Deformed/Dented, Extent : Moderate, Area Affected : 10%								
Location : Overhead Door								
Paint Peeling, Extent : Light, Area Affected : 5%								
Location : Overhead Door								
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : Front Facade								
Explanation : Often Malfunctions								
Windows								
Aluminum	100%	Now	\$113,300	2058	**	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%			LIFE	**	5	\$2,700	
Masonry: Limestone	10%			LIFE	**	5	\$400	
Roof								
Modified Bitumen	100%	0-2	\$5,400	2038	**			
Blisters, Extent : Moderate, Area Affected : 10%								
Location : Roof								
Soffits								
Stucco Cement	100%			2046	**	5		
Interior								
Floors								
Cast in Place Concrete	50%	4+	\$8,100	LIFE	**	5	\$10,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : Apparatus Floor								
Other Observation, Extent : Severe, Area Affected : 100%								
Location : Basement								
Explanation : High Ground Water, 4 Sump Pumps Installed To Remove Ground Water								
Ceramic Tile	5%			2029	\$27,000	5	\$500	
Quarry Tile	5%			2031	\$35,200	5	\$700	
Vinyl Tile	40%	Now	\$10,600	2038	**	3	\$1,500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : 1st And 2nd Floors								

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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

Interior Walls

Cast in Place Concrete	15%	Now	\$15,000	LIFE	**				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Throughout Basement</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Basement</i>									

Ceramic Tile	5%			2036	**	5		\$700	
Concrete Masonry Unit	15%			LIFE	**	5		\$800	
Gypsum Board	5%	Now	\$1,800	LIFE	**	5		\$400	

Broken/Missing Elements, Extent : Moderate, Area Affected : 15%
Location : 1st Floor Dining Room, Television Room, And Gymnasium

Metal Panel	5%			LIFE	**				
Plaster	35%	Now	\$11,200	LIFE	**	5		\$1,400	
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : Basement And Stairs</i>									

SGFT/Glazed Masonry	20%	0-2	\$23,600	LIFE	**				
<i>Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Throughout Garage Area</i>									

Ceilings

AcousTileSusp.Lay-In	10%	Now	\$3,200	2046	**	5		\$500	
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : 1st Floor Dining Room And Gymnasium</i>									
Plaster	90%			LIFE	**	5		\$5,500	

Site Enclosure

Fence/Gates

Chain Link	100%	Now	\$7,200	2053	**				
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Side Driveway Gate</i>									

Retaining Walls

Cast in Place Concrete	100%			2053	**				
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2050	**				
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Parking/Driveway

Asphalt	100%			2042	**				
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Electrical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2033		\$63,500	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>									

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

Maintenance \$ are aggregated over a ten-year period. Site specific 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

Electrical		Current Repair		Future 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%			2033	\$63,500	5	\$200	
	Raceway								
	Conduit	95%			2033	\$34,200	1		
	Conduit	5%			2043	* *	1		
	Panelboards								
	Fused Disc Sw	5%			2032	\$2,400	5		
	Molded Case Bkrs	75%			2032	\$36,400	5	\$100	
	Molded Case Bkrs	20%			2041	* *	5		
	Wiring								
	Braided Cloth	40%	2-4	\$13,000	2058	* *	1		
		Insulation Aged, Extent : Moderate, Area Affected : 100%							
		Location : Basement And 1st Floor							
	Thermoplastic	20%			2043	* *	1		
	Thermoplastic	40%			2033	\$13,000	1		
	Motor Controllers								
	Locally Mounted	100%			2031	\$17,800	5		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Lighting									
	Interior Lighting								
	Fluorescent	40%			2033	\$20,100	10	\$2,200	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : 2nd Floor							
		Explanation : T-8 Lamps							
	LED	60%			2038	* *			
	Exterior Lighting								
	Fluorescent	4%			2028	\$900	10		
		Compact Fluorescent Light, Extent : Light, Area Affected : 100%							
		Location : Roof Exit Door, Backyard Wall							
	LED	16%			2038	* *			
	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%			2043	* *	1		
Conversion Equipment								
Hot Water Boiler	100%			2046	* *	1	\$2,900	
Other Observation, Extent : N/A, 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.

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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
Heating									
Distribution									
	Hot Wtr Piping/Pump	100%	0-2	\$2,500	2041	**	4	\$300	
Corroded, Extent : Moderate, Area Affected : 20%									
Location : Basement									
Terminal Devices									
	Convactor/Radiator	85%	0-2	\$2,000	2038	**	1	\$1,500	
Damaged, Extent : Moderate, Area Affected : 15%									
Location : Convector Covers, Various Locations									
	Unit Heater - Hot Water	15%			2033	\$5,100			
Air Conditioning									
Energy Source									
	Electricity	100%			2041	**	1		
Conversion Equipment									
	Window/Wall Unit	50%	0-2	\$4,400	2028	\$11,000	1		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Throughout									
Explanation : The Units Are Down Constantly.									
	No Component	50%							
Ventilation									
Distribution									
	Ductwork/Diffusers	20%			LIFE	**	2-5	\$700	
	No Component	80%							
Exhaust Fans									
	Roof	20%			2033	\$2,200	2		
	Wall Unit	30%			2033	\$700	2	\$100	
	No Component	50%							
Plumbing									
H/C Water Piping									
	Brass/Copper	100%			2043	**	1		
Water Heater With Tanks									
	Gas Fired	50%			2032	\$8,300	2		
	Gas Fired	50%	0-2	\$5,000	2033	\$8,300	2		
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Basement									
Explanation : 1 Unit Has Been Removed.									
Sanitary Piping									
	Cast Iron	100%			LIFE	**	1		
Storm Drain Piping									
	Cast Iron	100%			LIFE	**	1		
Sump Pump(s)									
	Submersible	100%	0-2	\$300	2028	\$300	4	\$100	
Corroded, Extent : Moderate, Area Affected : 30%									
Location : Housings Of The Units, Basement.									
Other Observation, Extent : Moderate, Area Affected : 100%									
Location : Basement									
Explanation : 4 Units. Pumps Are Running Constantly Due To Ground Water Or Other Source That Is Causing Flooding In 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. 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									
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2026	\$15,900	1-3	\$74,400	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Kitchen, Covers 20 Square Feet									
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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$79,400	
Electrical	\$26,000	\$63,500
Total	\$105,500	\$63,500
Importance Code A	\$79,400	
Importance Code B	\$26,000	\$63,500
Total	\$105,500	\$63,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$36,300	\$15,200		\$2,900
Interior Architecture	\$12,600	\$400		\$700
Electrical	\$17,700	\$22,500	\$700	\$600
Mechanical	\$12,700	\$44,700	\$2,700	\$1,700
Site Enclosure				
Site Pavements	\$3,400			
Total	\$82,700	\$82,800	\$3,300	\$6,000
Importance Code A	\$36,800	\$15,600	\$400	\$3,400
Importance Code B	\$45,900	\$67,100	\$2,900	\$2,600
Importance Code C				
Total	\$82,700	\$82,800	\$3,300	\$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.

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	\$9,000	LIFE	* *	5	\$26,400	
	Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%								
	Location : Throughout								
	Masonry: Brick	60%	2-4	\$18,100	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	\$79,400	2056	* *	5	\$900	
	Air Infiltration, Extent : Severe, Area Affected : 100%								
	Location : Throughout								
	Broken/Missing Elements, Extent : Moderate, Area Affected : 30%								
	Location : Throughout								
	Ctwt/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	\$1,700	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	\$7,600	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

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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	\$8,800	
	Ceramic Tile	5%			2034	\$31,700	5	\$600	
	Quarry Tile	5%			2036	**	5	\$900	
	Broken/Missing Elements, Extent : Light, Area Affected : 1%								
	Location : Kitchen								
	Terrazzo	5%			LIFE	**	5	\$500	
	Vinyl Tile	5%	Now	\$800	2036	**	3	\$200	
	Broken/Missing Elements, Extent : Severe, Area Affected : 1%								
	Location : 1st Floor Office								
	Vinyl Tile 9" X 9"	45%	Now	\$8,100	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	\$1,200	
	Plaster	50%			LIFE	**	5	\$2,300	
	SGFT/Glazed Masonry	30%			LIFE	**			
Ceilings									
	AcousTileSusp.Lay-In	5%	Now	\$1,800	2044	**	5	\$300	
	Water Penetration, Extent : Light, Area Affected : 5%								
	Location : Kitchen								
	Exposed Struc: Concrete	85%			LIFE	**	5	\$1,500	
	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	\$2,000	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	\$600	
Site Enclosure									
	Fence/Gates								
	Chain Link	100%			2031	\$25,900			
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%	Now	\$3,400	2044	**			
	Tripping Hazard, Extent : Moderate, Area Affected : 5%								
	Location : West 19th Street Front Of Building								
On-Site Walkways									
	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.

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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	\$10,300	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : One 400 Ampere Main Disconnect Switch							
	Fused Disc Sw	30%			2051	* *	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : One 200 Ampere Main Disconnect Switch							
Switchgear / Switchboard									
	Molded Case Bkrs	100%			2031	\$63,500	5	\$200	
Raceway									
	Conduit	30%			2051	* *	1		
	Conduit	70%			2031	\$25,200	1		
Panelboards									
	Fused Disc Sw	5%			2030	\$2,400	5		
	Molded Case Bkrs	55%			2030	\$26,700	5	\$100	
	Molded Case Bkrs	40%			2047	* *	5	\$100	
Wiring									
	Braided Cloth	40%	2-4	\$13,000	2056	* *	1		
		Insulation Aged, Extent : Moderate, Area Affected : 100%							
		Location : Throughout							
	Thermoplastic	20%			2031	\$6,500	1		
	Thermoplastic	40%			2051	* *	1		
Motor Controllers									
	Locally Mounted	70%			2029	\$12,500	5		
	Locally Mounted	30%			2044	* *	5		
Ground									
	Grounding Devices								
	Generic	50%			LIFE	* *	5	\$100	
	Generic	50%			LIFE	* *	5	\$100	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2044	* *	1	\$2,700	
Generators									
	Diesel	100%			2040	* *	1	\$3,400	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Outside							
		Explanation : One 80 Kilovolt Ampere							
Batteries									
	Lead/Acid	100%			2025	\$2,400	5	\$300	

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FIRE DEPARTMENT - 057
ENGINE CO. 3/ LADDER CO.12/ BATTALION 7
Asset # : 13002

Electrical		Current Repair		Future Replacement		Maintenance			
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		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Outside Generator Area									
Explanation : One 60 Gallons									
	Main Tank	50%			2034	\$37,500	5		
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	\$26,000	10	\$2,800	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%									
Location : First Floor									
	Incandescent	5%			2026	\$5,300	2		
Egress Lighting									
	Emergency, Service	30%			2036	* *	1		
	Emergency, Service	10%			2026	\$500	1		
	Emergency, Battery	10%	Now	\$1,400	2041	* *			
Not Functioning, Extent : Severe, Area Affected : 100%									
Location : Kitchen, First Floor And Basement									
	Exit, Service	50%			2031	\$1,800	1		
Exterior Lighting									
	HID	15%			2026	\$6,000	10		
Outdr Lights On During Daytime, Extent : Light, Area Affected : 100%									
Location : Front Of Building									
	Incandescent	5%			2026	\$2,300	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	\$400	

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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
Heating									
	Terminal Devices								
	Convactor/Radiator	60%			2036	**	1	\$1,700	
	Convactor/Radiator	10%	Now	\$400	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	\$15,200			
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	\$2,000	2036	**			
		Leak Evident, Extent : Moderate, Area Affected : 100%							
		Location : 1st Floor Split Unit Leaking Rerigerant							
	Window/Wall Unit	75%			2026	\$24,300	1		
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$4,900	
	Exhaust Fans								
	Roof	80%			2031	\$13,300	2	\$200	
	Wall Unit	20%			2031	\$700	2	\$100	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2041	**	1		
	Water Heater With Tanks								
	Gas Fired	100%			2026	\$16,700	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon Units							
	Sanitary Piping								
	Cast Iron	80%			LIFE	**	1		
	Cast Iron	20%	Now	\$4,300	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	\$2,400	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	\$3,200	1-3	\$16,700	
		Other Observation, Extent : Light, Area Affected : 20%							
		Location : Kitchen Area							
		Explanation : System Serves Kitchen Area							
	No Component	80%							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$288,100	
Interior Architecture	\$146,900	
Electrical	\$3,400	\$77,800
Mechanical		\$62,400
Total	\$438,400	\$140,200
Importance Code A	\$288,100	
Importance Code B	\$150,300	\$140,200
Total	\$438,400	\$140,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$58,700	\$7,200	\$9,500	
Interior Architecture	\$105,100	\$1,100		\$700
Electrical	\$10,200	\$1,700		
Mechanical	\$15,600	\$60,700	\$1,800	\$1,400
Site Enclosure	\$4,800			
Site Pavements	\$2,000			
Total	\$196,400	\$70,800	\$11,300	\$2,000
Importance Code A	\$59,500	\$8,200	\$10,300	\$900
Importance Code B	\$80,300	\$62,600	\$1,000	\$1,100
Importance Code C	\$56,600			
Total	\$196,400	\$70,800	\$11,300	\$2,000



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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
Exterior									
Exterior Walls									
	Masonry: Brick	80%	Now	\$153,700	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	\$28,700	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	\$134,500	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	\$24,900	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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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	\$4,200	2034	\$42,100			
		Water Penetration, Extent : Severe, Area Affected : 15%							
		Location : Crickets At Hose Tower							
	Copper/Terne	5%			2046	* *	10	\$1,200	
	Roll Roofing	15%	Now	\$900	2027	\$9,500	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	\$45,100	10	\$1,200	
Interior									
Floors									
	Cast in Place Concrete	35%	0-2	\$17,600	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	\$33,300	5	\$600	
	Quarry Tile	5%	Now	\$2,200	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	\$2,900	2026	\$146,900	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	\$18,700	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	\$4,600	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	\$15,600	LIFE		* *		
	Diagonal Cracks, Extent : Severe, Area Affected : 15%								
	Location : Hose Tower								
	Efflorescence, Extent : Severe, Area Affected : 10%								
	Location : Third Floor Walls								
	Plaster	15%	Now	\$12,000	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		* *		

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

Maintenance \$ are aggregated over a ten-year period. Site specific 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
Interior									
	Ceilings								
	AcousTileSusp.Lay-In	5%	Now	\$1,700	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 Struc: Concrete	5%	Now	\$3,800	LIFE	* *	5	\$100	
	Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
	Location : Hose Tower, First Floor Apparatus Floor And Cellar Ceiling								
	Gypsum Board	15%	Now	\$2,700	LIFE	* *	5	\$2,000	
	Other Observation, Extent : Severe, Area Affected : 5%								
	Location : Stair To Third Floor								
	Explanation : Mold								
	Plaster	75%	Now	\$23,300	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	\$1,700	5	\$100	
	Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
	Location : Rear Yard Step Railing								
	Chain Link	98%	4+	\$3,600	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+	\$1,100	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	\$1,600	2036	* *			
	Cracking/Crumbling, Extent : Moderate, 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.
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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

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

Site Pavements

Parking/Driveway

Cast in Place Concrete 100% 2-4 \$400 2036 * *

Cracking/Crumbling, Extent : Moderate, Area Affected : 10%

Location : Front Driveway

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

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 \$77,800 10 \$8,400

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

Location : Throughout The Building

Explanation : T-8 Lamps

Fluorescent 4% 2026 \$3,400 10 \$400

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

Location : Basement, 1st Floor

Explanation : T-12 Lamps

Incandescent 1% 2026 \$1,200 2

LED 3% 2039 * *

Egress Lighting

Emergency, Battery 30% 2031 \$4,900 10 \$700

Exit, Service 70% 2031 \$2,900 1

Exterior Lighting

HID 30% 2031 \$13,600 10

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. 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	\$3,100	2031	\$62,400			
		Loose, Extent : Moderate, Area Affected : 60%							
		Location : Control Valves, Various Locations							
	No Component	20%							
	Terminal Devices								
	Convactor/Radiator	80%			2036	* *	1	\$2,600	
	Fan Coil Unit/Heat	20%			2036	* *	1	\$600	
Air Conditioning									
	Energy Source								
	Electricity	100%			2039	* *	1		
	Conversion Equipment								
	Split Unit	10%	0-2	\$1,200	2026	\$23,100			
		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	\$1,200	2036	* *			
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : 3rd Floor							
		Explanation : 2 Inefficient Units. R-410a							
	Window/Wall Unit	50%			2026	\$18,500	1		
	No Component	30%							
	Terminal Devices								
	Fan Coil - 2 Pipe	20%			2031	\$41,600	1	\$600	
	No Component	80%							
	Heat Rejection								
	Air Cooled Condenser Unit	20%			2031	\$3,900	2	\$1,400	
	No Component	80%							
Ventilation									

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** 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	\$1,700	
	No Component	70%							
Exhaust Fans									
	Interior	20%			2031	\$8,600	2	\$100	
	Roof	10%	0-2	\$200	2031	\$1,900	2		
		Noisy/Vibrating, Extent : Moderate, Area Affected : 50%							
		Location : Bathroom Fan, Roof							
	Wall Unit	20%	0-2	\$200	2026	\$800	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 With Tanks									
	Gas Fired	100%			2026	\$16,700	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon Units							
Sanitary Piping									
	Cast Iron	100%	0-2	\$6,100	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	\$1,700	LIFE	**	1		
		Leak Evident, Extent : Moderate, Area Affected : 5%							
		Location : 2nd Floor							
Sump Pump(s)									
	Submersible	100%			2025	\$300	4	\$300	
Fixtures									
	Generic	100%							
Fire Suppression									
Chemical System									
	No Component	99%							
	Generic	1%			2026	\$200	1-3	\$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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 302/LADDER CO. 155
Address : 143-15 ROCKAWAY BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.302 / 13187 **Yr Built/Renovated** : 1931 /
Area Sq Ft : 5,152 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Feb-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 12046 **Lot** : 2 **BIN** : 4261544

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$4,800			
Interior Architecture	\$34,000	\$500	\$300	\$300
Electrical	\$100		\$100	
Mechanical	\$6,700	\$600	\$2,600	\$700
Site Enclosure	\$3,000			
Site Pavements	\$4,400			
Total	\$52,800	\$1,100	\$3,000	\$1,000
Importance Code A	\$5,200	\$400	\$500	\$400
Importance Code B	\$37,300	\$400	\$2,500	\$500
Importance Code C	\$10,300	\$300		
Total	\$52,800	\$1,100	\$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. 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	
	Masonry: Granite	3%			LIFE	**	5	\$500	
	Masonry: Limestone	7%			LIFE	**	5	\$1,100	
	Metal Sect. OHD	10%			2049	**	5	\$6,400	
Windows									
	Aluminum	100%	Now	\$4,800	2048	**	5	\$300	
	Air Infiltration, Extent : Moderate, Area Affected : 50%								
	Location : Throughout								
	Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 35%								
	Location : Throughout								
	Water Penetration, Extent : Moderate, Area Affected : 10%								
	Location : Bunk Room And Office								
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%			2041	**	10	\$100	
	Modified Bitumen	95%			2040	**	10	\$8,200	
Interior									
Floors									
	Cast in Place Concrete	51%	4+	\$7,200	LIFE	**	5	\$9,500	
	Cracking/Crumbling, Extent : Light, Area Affected : 5%								
	Location : Throughout								
	Ceramic Tile	5%			2041	**	5	\$400	
	Poured Epoxy/Resin	2%			2030	\$9,300			
	Quarry Tile	5%			2045	**	5	\$600	
	Sheet Vinyl/Rubber	5%			2037	**	5	\$600	
	Terrazzo	2%	0-2	\$300	LIFE	**	5	\$100	
	Cracking/Crumbling, Extent : Light, Area Affected : 10%								
	Location : Throughout								
	Vinyl Tile	30%	Now	\$1,400	2037	**	3	\$1,000	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : Basement								

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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%	Now	\$800	LIFE	* *			
Water Penetration, Extent : Light, Area Affected : 5%								
Location : Basement Gymnasium								
Ceramic Tile	10%			2041	* *	5	\$500	
Gypsum Board	10%			LIFE	* *	5	\$300	
Masonry: Brick	10%			LIFE	* *			
Plaster	35%	4+	\$2,200	LIFE	* *	5	\$600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : Roof Hatch And Bunk Room								
Paint Peeling, Extent : Severe, Area Affected : 10%								
Location : Second Floor								
SGFT/Glazed Masonry	25%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	20%			2045	* *	5	\$1,700	
Exposed Struc: Steel	40%	Now	\$16,000	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Bilco Door								
Gypsum Board	2%			LIFE	* *	5	\$200	
Plaster	38%	Now	\$4,800	LIFE	* *	5	\$2,000	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Second Floor Front Bunk Room								
Worn/Eroded, Extent : Severe, Area Affected : 100%								
Location : Second Floor								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$3,000	2042	* *			
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Gate								
Corrosion/Rusting, Extent : Severe, Area Affected : 100%								
Location : Throughout								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2049	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2045	* *			
Parking/Driveway								
Cast in Place Concrete	100%	Now	\$4,400	2045	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 40%								
Location : Throughout								
Sinking/Subsiding, Extent : Moderate, Area Affected : 10%								
Location : Overhead Door Apron								

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. 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%			2042	* *	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Main Service Disconnect Switch Rated At 200 Amperes.							
	Switchgear / Switchboard								
	Molded Case Bkrs	100%			2042	* *	5	\$100	
	Raceway								
	Conduit	100%			2042	* *	1		
	Panelboards								
	Molded Case Bkrs	100%			2040	* *	5	\$100	
	Wiring								
	Thermoplastic	100%			2042	* *	1		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Lighting									
	Interior Lighting								
	LED	100%			2040	* *			
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Throughout The Building							
		Explanation : LED Light Fixtures							
	Exterior Lighting								
	LED	30%			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								
	Natural Gas	100%			2042	* *	1		
	Conversion Equipment								
	Furnace	25%			2037	* *	1	\$600	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Ceiling Of Appaaratus Floor							
		Explanation : 1 Gas Fired Modine Unit							
	Steam Boiler	75%			2045	* *	1	\$3,800	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : One Unit							
Distribution									
	Steam Piping/Pump	75%			2042	* *			
	No Component	25%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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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. 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								
	Convactor/Radiator	50%			2037	**	1	\$800	
	No Component	50%							
Air Conditioning									
	Energy Source								
	Electricity	100%			2040	**	1		
	Conversion Equipment								
	Split Unit	10%			2037	**			
	Window/Wall Unit	30%	0-2	\$3,400	2032	\$5,700	1		
		Obsolete Equipment, Extent : Moderate, Area Affected : 100%							
		Location : Various Locations							
	Window/Wall Unit	10%			2027	\$1,900	1		
	No Component	50%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	15%			LIFE	**	2-5	\$400	
	No Component	85%							
	Exhaust Fans								
	Roof	15%			2037	**	2		
	Wall Unit	45%	0-2	\$1,000	2042	**	2	\$100	
		Abandoned in Place, Extent : Severe, Area Affected : 100%							
		Location : Apparatus Floor							
	No Component	40%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2042	**	1		
	Water Heater With Tanks								
	Gas Fired	100%			2030	\$16,700	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 2 Units							
	Sanitary Piping								
	Cast Iron	100%	0-2	\$1,300	LIFE	**	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 15%							
		Location : Basement House Trap And Mens Bathroom							
	Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1		
	Sump Pump(s)								
	Submersible	100%			2025	\$200	4	\$200	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : 2 Pits With 1 Pump In Each							
	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. 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
Fire Suppression	Chemical System								
	No Component	99%							
	Generic	1%			2025	\$200	1-3	\$800	
Other Observation, Extent : N/A, 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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 303/LADDER CO. 126
Address : 104-12 PRINCETON STREET @ LIBERTY AVE.
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.303 / 13188 **Yr Built/Renovated** : 1931 / 2007
Area Sq Ft : 5,610 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Feb-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 10046 **Lot** : 14 **BIN** : 4214846

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$1,062,200	
Interior Architecture	\$172,300	
Total	\$1,234,500	
Importance Code A	\$1,062,200	
Importance Code B	\$172,300	
Total	\$1,234,500	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$48,100	\$400		\$10,500
Interior Architecture	\$41,900	\$1,300		\$500
Electrical		\$100		\$100
Mechanical	\$15,100	\$34,500	\$7,400	\$48,200
Site Enclosure	\$13,500			
Total	\$118,500	\$36,200	\$7,400	\$59,300
Importance Code A	\$48,600	\$900	\$600	\$11,100
Importance Code B	\$31,600	\$34,700	\$6,800	\$48,200
Importance Code C	\$38,300	\$600		
Total	\$118,500	\$36,200	\$7,400	\$59,300



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. 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%			2043	**	10	\$1,000	
	Masonry: Brick	55%	Now	\$552,700	LIFE	**	5	\$11,500	
	Diagonal Cracks, Extent : Light, Area Affected : 5%								
	Location : West Facade								
	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	\$251,200	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	\$48,100	LIFE	**	5	\$800	
	Misaligned/Bulging, Extent : Severe, Area Affected : 10%								
	Location : Front Facade								
	Granite Panels	2%			LIFE	**	5	\$300	
	Wood Overhead Doors	8%			2053	**	5	\$8,300	
	Recent Replace Evident, Extent : N/A, Area Affected : 100%								
	Location : Front Elevation								
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Front Elevation								
	Explanation : Door Is A Plastic Composite Product								
Windows									
	Aluminum	100%	Now	\$90,400	2058	**	5	\$1,000	
	Unit Inoperable, Extent : Severe, Area Affected : 80%								
	Location : Throughout								
Parapets									
	Masonry: Brick	85%	Now	\$167,800	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%			2036	**	10	\$400	
	Modified Bitumen	75%			2038	**	10	\$6,300	

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 303/LADDER CO. 126
Asset # : 13188

Architecture		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Cast in Place Concrete	40%	Now	\$61,000	LIFE	**	5	\$8,000	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
Location : Basement Steps								
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Shower Pan In Captain's Office								
Ceramic Tile	15%			2036	**	5	\$1,400	
Vinyl Tile	45%	0-2	\$111,400	2043	**	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								
Cast in Place Concrete	5%	Now	\$2,200	LIFE	**			
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Basement At Utility Penetrations								
Ceramic Tile	10%			2036	**	5	\$1,200	
Gypsum Board	15%			LIFE	**	5	\$1,100	
Masonry: Brick	15%			LIFE	**			
Plaster	40%	Now	\$22,600	LIFE	**	5	\$1,400	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Throughout								
Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%								
Location : Throughout								
Vertical Cracks, Extent : Severe, Area Affected : 5%								
Location : Captains Office								
SGFT/Glazed Masonry	15%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	10%	0-2	\$8,900	2046	**	5	\$500	
Staining/Discoloring, Extent : Light, Area Affected : 20%								
Location : Kitchen And Bathroom								
Worn/Eroded, Extent : Moderate, Area Affected : 75%								
Location : Kitchen And Bathroom								
Exposed Struc: Steel	30%			LIFE	**			
Plaster	60%	0-2	\$8,200	LIFE	**	5	\$3,400	
Loose/Delam Surface, Extent : Moderate, Area Affected : 5%								
Location : Garage								
Site Enclosure								
Fence/Gates								
Chain Link	100%	0-2	\$13,500	2043	**			
Other Observation, Extent : Light, Area Affected : 10%								
Location : Side Yards								
Explanation : Leaning Sections								
Site Pavements								

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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	

Site Pavements

Public Sidewalk

Cast in Place Concrete

100%

2038

* *

On-Site Walkways

Cast in Place Concrete

100%

2038

* *

Parking/Driveway

Cast in Place Concrete

100%

2038

* *

*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%

2043

* *

5

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : Main Service Disconnect Switch Rated At 200 Amperes.*

Switchgear / Switchboard

Molded Case Bkrs

100%

2043

* *

5

\$100

Raceway

Conduit

100%

2043

* *

1

Panelboards

Molded Case Bkrs

100%

2041

* *

5

\$100

Wiring

Thermoplastic

100%

2043

* *

1

Motor Controllers

Locally Mounted

100%

2038

* *

5

Ground

Grounding Devices

Generic

100%

LIFE

* *

5

\$100

Lighting

Interior Lighting

Fluorescent

98%

2033

\$46,600

10

\$5,000

*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : Throughout The Building*

LED

2%

2038

* *

Egress Lighting

Emergency, Battery

50%

2033

\$4,600

10

\$700

Exit, Battery

50%

2033

\$3,900

10

\$200

Exterior Lighting

LED

20%

2041

* *

No Component

80%

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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
Heating									
	Energy Source								
	Natural Gas	100%			2053	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2038	* *	1	\$5,600	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Explanation : 1 Unit								
	Distribution								
	Steam Piping/Pump	100%			2053	* *			
	Terminal Devices								
	Convactor/Radiator	75%			2038	* *	1	\$1,400	
	Fan Coil Unit/Heat	25%	Now	\$6,800	2033	\$34,000	1	\$400	
	Malfunctioning, Extent : Moderate, Area Affected : 100%								
	Location : Apparatus Floor								
	Controls								
	Electrical	100%			2028	\$30,500			
Air Conditioning									
	Energy Source								
	Electricity	100%			2032	\$7,500	1		
	Conversion Equipment								
	Window/Wall Unit	50%			2028	\$10,400	1		
	No Component	50%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	10%			LIFE	* *	2-5	\$300	
	No Component	90%							
	Exhaust Fans								
	Roof	10%			2033	\$1,100	2		
	Wall Unit	20%			2033	\$500	2		
	No Component	70%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2043	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2031	\$33,400	2		
	Other Observation, Extent : N/A, 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	\$1,000	LIFE	* *	1		
	Leak Evident, Extent : Light, Area Affected : 100%								
	Location : Storm Drain Line In Stairwell								
	Sump Pump(s)								
	Submersible	100%			2026	\$200	4	\$200	

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FIRE DEPARTMENT - 057
ENGINE CO. 303/LADDER CO. 126
Asset # : 13188

Mechanical		Current Repair		Future Replacement		Maintenance			
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								
	Generic	100%			2026	\$19,100	1-3	\$89,300	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Kitchen									
Explanation : Hood Is 24 Square Feet									

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 304/LADDER CO. 162
Address : 218-44 97th AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.304 / 13189 **Yr Built/Renovated** : 1922 /
Area Sq Ft : 5,376 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Jun-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 10770 **Lot** : 23 **BIN** : 4230875

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$232,200	
Interior Architecture		\$88,200
Electrical		\$63,500
Total	\$232,200	\$151,700
Importance Code A	\$232,200	
Importance Code B		\$151,700
Total	\$232,200	\$151,700

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$87,600			\$1,100
Interior Architecture	\$73,000		\$500	\$700
Electrical	\$10,000	\$200	\$200	\$5,200
Mechanical	\$16,200	\$39,700	\$7,700	\$49,100
Site Pavements	\$7,200			
Total	\$194,000	\$39,900	\$8,500	\$56,200
Importance Code A	\$88,100	\$500	\$500	\$1,700
Importance Code B	\$73,500	\$39,400	\$7,600	\$54,500
Importance Code C	\$32,300		\$300	
Total	\$194,000	\$39,900	\$8,500	\$56,200



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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	\$232,200	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	\$6,900	LIFE	* *	5	\$700	
		Cracking/Crumbling, Extent : Light, Area Affected : 5%							
		Location : Front Facade							
		Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%							
		Location : Window Sills							
	Stucco Cement	5%			2038	* *	5	\$2,300	
	Wood Overhead Doors	10%	Now	\$10,100	2038	* *	5	\$4,500	
		Deteriorated Finish, Extent : Light, Area Affected : 50%							
		Location : Throughout							
		Worn/Eroded, Extent : Moderate, Area Affected : 20%							
		Location : Throughout							
Windows									
	Aluminum	100%	Now	\$8,000	2041	* *	5	\$900	
		Crtrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%							
		Location : Throughout							
		Hardware Missing, Extent : Moderate, Area Affected : 10%							
		Location : Throughout							
Parapets									
	Cast Stone/Terra Cotta	10%	Now	\$1,800	LIFE	* *	5	\$1,500	
		Open Joints, Extent : Moderate, Area Affected : 10%							
		Location : Front Facade Parapet							
	Masonry: Brick	90%	Now	\$44,100	LIFE	* *	5	\$1,800	
		Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%							
		Location : Parapet							
		Spalling, Extent : Moderate, Area Affected : 25%							
		Location : East Facade, West Facade							
		Worn/Eroded, Extent : Moderate, Area Affected : 25%							
		Location : Interior Face							

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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								
Roof								
Modified Bitumen	100%	Now	\$16,600	2038	**			
	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 : Lower Roof							
	Water Penetration, Extent : Moderate, Area Affected : 10%							
	Location : Lower Roof, Stairs And Kitchen							
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$17,000	LIFE	**	5	\$8,900	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 50%							
	Location : Apparatus Room At Overhead Door							
	Drains Clogged, Extent : Moderate, Area Affected : 10%							
	Location : Apparatus Room At Overhead Door							
Ceramic Tile	5%			2042	**	5	\$400	
Quarry Tile	5%			2038	**	5	\$600	
Vinyl Tile	40%	0-2	\$17,600	2033	\$88,200	3	\$1,200	
	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	\$4,200	LIFE	**			
	Water Penetration, Extent : Moderate, Area Affected : 5%							
	Location : Basement Boiler Room And Gymnasium							
Ceramic Tile	5%			2042	**	5	\$600	
Gypsum Board	10%			LIFE	**	5	\$700	
Masonry: Brick	5%	Now	\$10,600	LIFE	**			
	Water Penetration, Extent : Moderate, Area Affected : 10%							
	Location : Stairs							
Plaster	30%	Now	\$10,200	LIFE	**	5	\$1,000	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 20%							
	Location : Hose Tower							
	Paint Peeling, Extent : Light, Area Affected : 100%							
	Location : Hose Tower							
	Water Penetration, Extent : Moderate, Area Affected : 10%							
	Location : Offices							
Plywood/Hardboard	5%			LIFE	**			
SGFT/Glazed Masonry	35%			LIFE	**			

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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	15%	Now	\$1,900	2046	* *	5	\$600	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
	Location : Television Room, Basement, Kitchen								
	Staining/Discoloring, Extent : Light, Area Affected : 10%								
	Location : Throughout								
	Water Penetration, Extent : Severe, Area Affected : 5%								
	Location : Kitchen								
	Exposed Struc: Concrete	15%			LIFE	* *	5	\$200	
	Exposed Struc: Steel	20%			LIFE	* *			
	Plaster	50%	Now	\$11,400	LIFE	* *	5	\$2,400	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : 2nd Floor Corridor								
	Staining/Discoloring, Extent : Light, Area Affected : 15%								
	Location : Second Floor Corridor								
	Water Penetration, Extent : Moderate, Area Affected : 10%								
	Location : Hose Tower, 2nd Floor Corridor And Offices								
Site Enclosure									
	Fence/Gates								
	Chain Link	100%			2053	* *			
	Retaining Walls								
	Cast in Place Concrete	100%			2053	* *			
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%			2046	* *			
	On-Site Walkways								
	Cast in Place Concrete	100%			2046	* *			
	Parking/Driveway								
	Cast in Place Concrete	100%	Now	\$7,200	2046	* *			
	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%			2033	\$14,700	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Main Service Disconnect Switch Rated At 200 Amperes.							
	Switchgear / Switchboard								
	Molded Case Bkrs	100%			2033	\$63,500	5	\$100	
	Raceway								
	Conduit	100%			2033	\$36,000	1		

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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									
Panelboards									
	Fused Disc Sw	10%			2032	\$4,800	5		
	Molded Case Bkrs	60%			2032	\$29,100	5	\$100	
	Molded Case Bkrs	30%			2041	* *	5		
Wiring									
	Braided Cloth	30%	2-4	\$9,800	2058	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%									
Location : Throughout The Building									
	Thermoplastic	40%			2033	\$13,000	1		
	Thermoplastic	30%			2043	* *	1		
Ground									
Grounding Devices									
	Generic	100%			LIFE	* *	5	\$100	
Lighting									
Interior Lighting									
	Fluorescent	1%			2033	\$500	10		
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Kitchen									
Explanation : T-8 Lamps									
	LED	99%			2038	* *			
Exterior Lighting									
	HID	20%			2028	\$4,900	10		
	LED	10%			2038	* *			
	No Component	70%							
Alarm									
Security System									
	Generic	100%			2038	* *	1	\$2,000	
Other Observation, Extent : N/A, 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%			2053	* *	1		
Conversion Equipment									
	Steam Boiler	100%			2038	* *	1	\$5,300	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Basement									
Explanation : One Unit									
Distribution									
	Steam Piping/Pump	100%			2043	* *			
Terminal Devices									
	Convactor/Radiator	100%			2031	\$42,900	1	\$1,700	

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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
Heating									
	Controls								
	Electrical	100%			2028	\$29,200			
Air Conditioning									
	Energy Source								
	Electricity	100%			2041	**	1		
	Conversion Equipment								
	Split Unit	15%			2033	\$18,700			
	Window/Wall Unit	60%	0-2	\$3,600	2028	\$11,900	1		
		Not Energy Efficient, Extent : Moderate, Area Affected : 30%							
		Location : Various Locations							
	No Component	25%							
Terminal Devices									
	Fan Coil - 2 Pipe	15%			2033	\$18,000	1	\$300	
	No Component	85%							
Heat Rejection									
	Air Cooled Condenser Unit	15%			2033	\$1,700	2	\$600	
	No Component	85%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	10%			LIFE	**	2-5	\$300	
	No Component	90%							
	Exhaust Fans								
	Roof	10%			2033	\$1,000	2		
	Wall Unit	20%			2028	\$500	2		
	No Component	70%							
		Other Observation, Extent : N/A, Area Affected : 0%							
		Location :							
		Explanation : Lack Of Air Ventilation For Bathrooms							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2043	**	1		
	Water Heater With Tanks								
	Gas Fired	100%	0-2	\$1,700	2031	\$33,400	2		
		Not Energy Efficient, Extent : Moderate, Area Affected : 50%							
		Location : One Of The Units, Basement							
		Other Observation, Extent : N/A, Area Affected : 50%							
		Location : Basement							
		Explanation : 2 Units							
	Sanitary Piping								
	Cast Iron	100%	Now	\$3,300	LIFE	**	1		
		Blockage /Clogged, Extent : Severe, Area Affected : 15%							
		Location : Basement House Trap. Basement							
	Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1		
	Sump Pump(s)								
	Submersible	100%			2026	\$200	4	\$200	

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

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 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
Plumbing	Fixtures								
	Generic	100%							
Fire Suppression	Chemical System								
	Wet	100%			2026	\$19,900	1-3	\$104,100	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Kitchen							
		Explanation : Covers 25 Square Feet							

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 305/LADDER CO. 151
Address : 111-02 QUEENS BOULEVARD @ 75TH AVE.
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.305 / 13190 **Yr Built/Renovated** : 1922 / 2005
Area Sq Ft : 4,248 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-Dec-2021 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Floors 1,2,Att
Block : 3294 **Lot** : 20 **BIN** : 4078827

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture		\$113,000
Electrical		\$26,600
Total		\$139,600
Importance Code B		\$139,600
Total		\$139,600

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture		\$2,500		\$15,800
Interior Architecture	\$43,300	\$200	\$200	\$300
Electrical	\$300	\$300	\$3,000	\$1,500
Mechanical	\$16,200	\$83,200	\$7,800	\$40,300
Site Pavements	\$12,900			
Total	\$72,700	\$86,200	\$11,100	\$57,900
Importance Code A	\$2,000	\$2,900	\$400	\$16,200
Importance Code B	\$52,700	\$83,300	\$10,500	\$41,700
Importance Code C	\$18,000		\$200	
Total	\$72,700	\$86,200	\$11,100	\$57,900



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%			LIFE	**	5	\$1,200	
	Metal Sect. OHD	10%			2046	**	5	\$4,900	
Windows									
	Aluminum	100%			2049	**	5	\$400	
Roof									
	Copper/Terne	100%			2048	**	10	\$15,800	
Interior									
Floors									
	Cast in Place Concrete	48%	Now	\$16,700	LIFE	**	5	\$6,700	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : Apparatus Bay								
	Spalling, Extent : Moderate, Area Affected : 5%								
	Location : Apparatus Bay								
	Ceramic Tile	5%	Now	\$400	2042	**	5	\$200	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
	Location : 1st Floor Toilet								
	Quarry Tile	5%	0-2	\$500	2046	**	5	\$200	
	Cracking/Crumbling, Extent : Light, Area Affected : 5%								
	Location : Kitchen And Lounge Area								
	Terrazzo	2%	4+	\$300	LIFE	**	5	\$100	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
	Location : Stair Steps								
	Vinyl Tile	40%	Now	\$5,600	2033	\$113,000	3	\$1,000	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
	Location : Bunk Room								
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : Second Floor, Bunk Room, Locker Room And Offices								
Interior Walls									
	Cast in Place Concrete	10%			LIFE	**			
	Ceramic Tile	5%			2042	**	5	\$400	
	Gypsum Board	45%			LIFE	**	5	\$2,400	
	Masonry: Brick	7%			LIFE	**			
	SGFT/Glazed Masonry	30%	Now	\$5,100	LIFE	**			
	Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
	Location : Apparatus Bay								
	Wood	3%			LIFE	**	5	\$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. 305/LADDER CO. 151
Asset # : 13190

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

Interior

Ceilings

AcousTileSusp.Lay-In	7%			2046	**	5	\$500
Exposed Struc: Concrete	30%	Now	\$8,100	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%	Now	\$6,600	LIFE	**	5	\$2,500

Cracking/Crumbling, Extent : Moderate, Area Affected : 10%

Location : 2nd Floor Around Ceiling Supply Ducts In Bunk Room, Locker Room And Offices

Water Penetration, Extent : Moderate, Area Affected : 10%

Location : 2nd Floor Around Ceiling Supply Ducts In Bunk Room, Locker Room And Offices

Site Enclosure

Fence/Gates

Chain Link	100%			2053	**		
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Site Pavements

Public Sidewalk

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

Cast in Place Concrete	100%			2038	**		
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Parking/Driveway

Asphalt	100%	Now	\$12,900	2042	**		
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Cracking/Crumbling, Extent : Severe, Area Affected : 20%

Location : Parking Area South Side Of Building

Potholes, Extent : Moderate, Area Affected : 5%

Location : Parking Area South Side Of Building

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

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2053	**	5	
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Electrical Room

Explanation : Main Service Disconnect Switch Rated At 400 Amperes.

Switchgear / Switchboard

Molded Case Bkrs	100%			2053	**	5	\$100
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Raceway

Conduit	70%			2033		\$27,600	1
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Conduit	30%			2053	**	1	
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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
Under 600 Volts									
Panelboards									
	Molded Case Bkrs	50%			2032	\$26,600	5	\$100	
	Molded Case Bkrs	50%			2049	* *	5	\$100	
Wiring									
	Thermoplastic	100%			2043	* *	1		
Motor Controllers									
	Locally Mounted	100%			2031	\$19,500	5		
Ground									
Grounding Devices									
	Generic	100%			LIFE	* *	5	\$100	
Stand-by Power									
Transfer Switches									
	Automatic	100%			2046	* *	1	\$1,300	
Generators									
	Diesel	100%			2042	* *	1	\$1,700	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Rear Of The Building									
Explanation : Emergency Generator Rated At 60 Kilowatts									
Batteries									
	Lead/Acid	100%			2027	\$2,600	5	\$200	
Fuel Storage									
	Main Tank	100%			2061	* *	5		
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Rear Of The Building									
Explanation : 125 Gallons Rated Capacity									
Lighting									
Interior Lighting									
	Incandescent	2%			2028	\$1,100	2		
	LED	98%			2038	* *			
Egress Lighting									
	Emergency, Service	40%			2038	* *	1		
	Emergency, Battery	10%			2033	\$800	10	\$100	
	Exit, Battery	50%			2033	\$3,200	10	\$100	
Exterior Lighting									
	LED	20%			2038	* *			
	No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
Energy Source									
	Natural Gas	100%			2043	* *	1		

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. 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
Heating									
	Conversion Equipment								
	Steam Boiler	100%	2-4	\$2,000	2031	\$39,700	1	\$3,800	
		Corroded, Extent : Light, Area Affected : 100%							
		Location : Boiler Room							
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : One Unit, 500 Mbh Approximately							
	Distribution								
	Steam Piping/Pump	100%			2033	\$36,500			
		On Extended Life, Extent : Light, Area Affected : 50%							
		Location : Various Locations							
	Terminal Devices								
	Convector/Radiator	100%			2038	* *	1	\$1,400	
	Controls								
	Electrical	100%			2026	\$25,300			
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : 2nd Floor							
		Explanation : Boiler Master Thermostat							
Air Conditioning									
	Energy Source								
	Electricity	50%			2041	* *	1		
	No Component	50%							
	Conversion Equipment								
	Split Unit	25%	0-2	\$1,400	2028	\$27,000			
		Leak Evident, Extent : Moderate, Area Affected : 10%							
		Location : 2nd Floor - Condensate Leakage							
		R-22 Refrigerant, Extent : Light, Area Affected : 100%							
		Location : Outdoor Units - Backyard, Indoor Units - Attic							
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Outdoor Units - Backyard, Indoor Units - Attic							
		Explanation : 2 Ducted Systems Serving 2nd Floor, 5 Tons Approximately Each							
	Window/Wall Unit	25%			2028	\$4,300	1		
	No Component	50%							
	Distribution								
	Ductwork/Diffusers	50%			LIFE	* *	2	\$2,800	
	No Component	50%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	10%	Now	\$6,000	LIFE	* *	2-5	\$200	
		Other Observation, Extent : Moderate, Area Affected : 10%							
		Location : Kitchen							
		Explanation : Damaged Kitchen Hood As A Result Of Cooking Fire							
	No Component	90%							

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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									
	Exhaust Fans								
	Interior	20%			2033	\$4,000	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Attic							
		Explanation : Toilet Exhaust Fan, 1 Unit							
	Roof	10%			2028	\$900	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Building Exterior							
		Explanation : Hood Exhaust Fan							
	Wall Unit	50%			2028	\$1,000	2	\$100	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Fire Truck Area							
		Explanation : Fire Truck Area Exhaust Fan, 1 Unit							
	No Component	20%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2043	* *	1		
	Water Heater With Tanks								
	Gas Fired	50%			2026	\$18,300	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Unit, 75.1 Mbh, 74 Gallons. Quantity 1							
	Gas Fired	50%			2031	\$18,300	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Unit, 75.1 Mbh, 74 Gallons. Quantity 1							
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%			2025	\$100	4	\$100	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Wet	100%			2026	\$21,000	1-3	\$100,000	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Kitchen							
		Explanation : 6 X 4 Foot Hood							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 306
Address : 40-18 214th PLACE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.306 / 13191 **Yr Built/Renovated** : 1924 / 2007
Area Sq Ft : 4,860 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Apr-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 6288 **Lot** : 32 **BIN** : 4138284

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$253,200	\$77,400
Interior Architecture	\$54,300	\$108,600
Total	\$307,500	\$185,900
Importance Code A	\$253,200	\$77,400
Importance Code B	\$54,300	\$108,600
Total	\$307,500	\$185,900

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$56,300	\$100		
Interior Architecture	\$51,600	\$300	\$1,000	\$900
Electrical	\$100	\$100	\$100	\$100
Mechanical	\$13,000	\$6,100	\$6,200	\$38,000
Site Pavements	\$33,500			
Total	\$154,600	\$6,700	\$7,300	\$39,000
Importance Code A	\$56,800	\$600	\$500	\$500
Importance Code B	\$46,900	\$6,100	\$6,000	\$38,500
Importance Code C	\$50,900		\$800	
Total	\$154,600	\$6,700	\$7,300	\$39,000



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. 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	\$253,200	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%	2-4	\$2,400	LIFE	**	5	\$1,200	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 5%							
		Location : Above Main Entrance							
		Staining/Discoloring, Extent : Moderate, Area Affected : 25%							
		Location : East Facade							
	Metal Sect. OHD	10%			2050	**	5	\$6,100	
Windows									
	Aluminum	100%			2049	**	5	\$1,600	
Parapets									
	Masonry: Brick	90%	Now	\$47,000	LIFE	**	5	\$1,900	
		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 : North And West Parapets							
	Masonry: Limestone	5%			LIFE	**	5	\$100	
	Pre-Cast Concrete	5%			LIFE	**	5	\$700	
Roof									
	Asphalt Shingle	10%			2046	**	10	\$100	
	Built-Up (BUR)	90%	0-2	\$3,900	2033	\$77,400			
		Blisters, Extent : Light, Area Affected : 10%							
		Location : Main Roof							
Interior									
Floors									
	Cast in Place Concrete	40%			LIFE	**	5	\$7,000	
	Ceramic Tile	5%			2042	**	5	\$400	
	Quarry Tile	5%			2046	**	5	\$600	
	Vinyl Tile	50%	0-2	\$54,300	2033	\$108,600	3	\$1,500	
		Worn/Eroded, Extent : Moderate, Area Affected : 50%							
		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. 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%	Now	\$3,300	LIFE	**				
Water Penetration, Extent : Moderate, Area Affected : 5%									
Location : Basement									
Ceramic Tile	15%			2042	**	5	\$1,700		
Gypsum Board	5%			LIFE	**	5	\$300		
Masonry: Brick	5%	0-2	\$10,300	LIFE	**				
Spalling, Extent : Moderate, Area Affected : 15%									
Location : Basement And Stair									
Plaster	55%	Now	\$14,500	LIFE	**	5	\$1,800		
Paint Peeling, Extent : Moderate, Area Affected : 20%									
Location : Offices, Interior Walls At Window Perimeter, Stairway									
Water Penetration, Extent : Moderate, Area Affected : 5%									
Location : Female Locker, Captain Office And Weight Room									
Ceilings									
AcousTileSusp.Lay-In	10%			2038	**	5	\$800		
Exposed Struc: Steel	15%	Now	\$5,700	LIFE	**				
Water Penetration, Extent : Moderate, Area Affected : 2%									
Location : Bilco Door									
Plaster	75%	Now	\$17,900	LIFE	**	5	\$3,800		
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%									
Location : Roof Scuttle, Female Locker And Weight Room									
Water Penetration, Extent : Moderate, Area Affected : 5%									
Location : Roof Scuttle, Female Locker And Weight Room									
Site Enclosure									
Fence/Gates									
Chain Link	100%			2053	**				
Site Pavements									
Public Sidewalk									
Cast in Place Concrete	100%	Now	\$10,700	2046	**				
Cracking/Crumbling, Extent : Severe, Area Affected : 10%									
Location : 214th Place									
On-Site Walkways									
Cast in Place Concrete	100%	Now	\$7,200	2046	**				
Sinking/Subsiding, Extent : Moderate, Area Affected : 10%									
Location : Adjacent Driveway									
Parking/Driveway									
Asphalt	75%	Now	\$15,600	2042	**				
Broken/Missing Elements, Extent : Severe, Area Affected : 15%									
Location : Parking Driveway									
Sinking/Subsiding, Extent : Moderate, Area Affected : 10%									
Location : Driveway									
Cast in Place Concrete	25%			2038	**				

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

FIRE DEPARTMENT - 057
ENGINE CO. 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									
	Service Equipment								
	Fused Disc Sw	100%			2033	\$14,700	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : Main Service Disconnect Switch Rated At 200 Amperes.									
	Raceway								
	Conduit	100%			2043	* *	1		
	Panelboards								
	Fused Disc Sw	10%			2041	* *	5		
	Molded Case Bkrs	70%			2041	* *	5	\$100	
	Molded Case Bkrs	20%			2049	* *	5		
	Wiring								
	Thermoplastic	100%			2043	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2038	* *	5		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Lighting									
	Interior Lighting								
	LED	100%			2038	* *			
	Exterior Lighting								
	HID	10%			2033	\$2,200	10		
	LED	10%			2041	* *			
	No Component	80%							
Alarm									
	Security System								
	No Component	50%							
	Generic	50%			2038	* *	1	\$900	
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%			2053	* *	1		
Conversion Equipment								
Steam Boiler	100%			2038	* *	1	\$4,800	
Other Observation, Extent : N/A, Area Affected : 100%								
Location : Basement								
Explanation : One Unit								
Distribution								
Steam Piping/Pump	100%			2043	* *			

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

Estimates are rounded to the nearest hundred dollars.

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

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

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
Heating									
	Terminal Devices								
	Convactor/Radiator	100%			2038	**	1	\$1,600	
Air Conditioning									
	Energy Source								
	Electricity	100%			2041	**	1		
	Conversion Equipment								
	Window/Wall Unit	50%			2028	\$9,000	1		
	No Component	50%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	10%			LIFE	**	2-5	\$300	
	No Component	90%							
	Exhaust Fans								
	Roof	10%	0-2	\$200	2033	\$900	2		
		Not in Service, Extent : Moderate, Area Affected : 50%							
		Location : Roof							
	Wall Unit	20%			2028	\$400	2		
	No Component	70%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2043	**	1		
	Water Heater With Tanks								
	Gas Fired	100%			2031	\$33,400	2		
		Other Observation, Extent : N/A, 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%			2025	\$100	4	\$200	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2028	\$15,900	1-3	\$80,900	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Kitchen							
		Explanation : 1 Set Covers 20 Square Feet							

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 307/LADDER CO. 154
Address : 81-17 NORTHERN BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.307 / 13192 **Yr Built/Renovated** : 1924 /
Area Sq Ft : 6,240 **Project Type** : FIRE DEPARTMENT
Date of Survey : 31-Jan-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1177 **Lot** : 36 **BIN** : 4026949

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$380,900	\$70,700
Interior Architecture	\$939,500	
Total	\$1,320,500	\$70,700
Importance Code A	\$380,900	\$70,700
Importance Code B	\$939,500	
Total	\$1,320,500	\$70,700

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$84,000	\$400		
Interior Architecture	\$74,400			\$1,200
Electrical	\$16,600			
Mechanical	\$33,600	\$55,600	\$3,700	\$73,000
Site Enclosure	\$5,300			
Site Pavements	\$12,600			
Total	\$226,500	\$56,000	\$3,700	\$74,200
Importance Code A	\$84,700	\$1,000	\$600	\$600
Importance Code B	\$90,400	\$55,000	\$3,100	\$73,600
Importance Code C	\$51,500			
Total	\$226,500	\$56,000	\$3,700	\$74,200



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. 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	\$312,200	LIFE	* *	5	\$19,400	
Expansion Joint Failure, Extent : Moderate, Area Affected : 5%								
Location : Front Facade Between Buildings								
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	\$27,500	2038	* *	5	\$6,100	
Unit Inoperable, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Area - Door Inoperable At Times								
Windows								
Wood	100%	Now	\$68,700	2058	* *	5	\$8,800	1
Dry Rot/Decay, Extent : Severe, Area Affected : 80%								
Location : Throughout								
Parapets								
Masonry: Brick	90%	Now	\$40,500	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%			2036	* *	10	\$400	
Modified Bitumen	10%	Now	\$11,800	2033	\$11,800			
Blisters, Extent : Moderate, Area Affected : 5%								
Location : Main Roof								
Modified Bitumen	50%			2033	\$58,900	10	\$5,500	
Roll Roofing	20%	Now	\$4,200	2029	\$14,000	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

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

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	\$417,200	LIFE	* *	5	\$11,000		
	Cracking/Crumbling, Extent : Moderate, Area Affected : 50%								
	Location : Apparatus Room								
	Deflection Evident, Extent : Severe, Area Affected : 50%								
	Location : Apparatus Floor								
	Water Penetration, Extent : Moderate, Area Affected : 10%								
	Location : Garage 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	\$27,700	2048	* *	5	\$300		
	Cracking/Crumbling, Extent : Severe, Area Affected : 80%								
	Location : Kitchen And Bathrooms								
Quarry Tile	5%	4+	\$700	2038	* *	5	\$400		
	Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
	Location : Kitchen								
Traffic Topping	5%			2033	\$23,400	5	\$600		
Vinyl Tile	30%	Now	\$81,300	2043	* *	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 : N/A, Area Affected : 50%								
	Location : Second Floor								
	Explanation : 9x9 Tiles								
Wood	5%			2048	* *	5	\$900		
Interior Walls									
Ceramic Tile	5%	Now	\$7,400	2036	* *	5	\$300		
	Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
	Location : Bathrooms								
Masonry: Brick	20%			LIFE	* *				
Plaster	50%	Now	\$32,800	LIFE	* *	5	\$2,100		
	Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
	Location : Second Floor - Bunk Room								
	Water Penetration, Extent : Moderate, Area Affected : 20%								
	Location : Second Floor - Bunk Room								
SGFT/Glazed Masonry	25%			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. 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%	Now	\$4,900	2038	* *	5	\$800	
		Broken/Missing Elements, Extent : Moderate, Area Affected : 10%							
		Location : Kitchen And Bathroom							
		Staining/Discoloring, Extent : Moderate, Area Affected : 10%							
		Location : Kitchen And Bathroom							
	Exposed Struc: Concrete	30%	Now	\$441,000	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 Shoring Up Apparatus Floor.							
	Gypsum Board	10%	Now	\$900	LIFE	* *	5	\$1,300	
		Loose/Delam Surface, Extent : Moderate, Area Affected : 10%							
		Location : Weight Room							
	Plaster	45%			LIFE	* *	5	\$2,800	
Site Enclosure									
	Fence/Gates								
	Chain Link	100%	Now	\$5,300	2043	* *			
		Other Observation, Extent : Severe, Area Affected : 40%							
		Location : Side Yard							
		Explanation : Fence Inoperable							
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%	0-2	\$6,700	2038	* *			
		Loose/Delam Surface, Extent : Light, Area Affected : 5%							
		Location : Throughout							
	On-Site Walkways								
	Cast in Place Concrete	100%	0-2	\$4,200	2038	* *			
		Loose/Delam Surface, Extent : Light, Area Affected : 5%							
		Location : Throughout							
	Parking/Driveway								
	Cast in Place Concrete	85%	0-2	\$1,700	2038	* *			
		Cracking/Crumbling, Extent : Light, Area Affected : 5%							
		Location : Throughout							
	Pavers/Stone	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

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

Estimates are rounded to the nearest hundred dollars.

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

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

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									
	Service Equipment								
	Fused Disc Sw	100%			2033	\$14,700	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Electrical Room							
		Explanation : Main Service Disconnect Switch Rated At 200 Amperes.							
	Raceway								
	Conduit	100%			2033	\$36,000	1		
	Panelboards								
	Fused Disc Sw	25%			2032	\$12,100	5		
	Molded Case Bkrs	75%	Now	\$700	2032	\$36,400	5	\$100	
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Kitchen							
		Explanation : Receptacles Do not Work							
	Wiring								
	Thermoplastic	100%			2033	\$32,500	1		
	Motor Controllers								
	Locally Mounted	100%			2031	\$17,800	5		
Ground									
	Grounding Devices								
	Generic	100%	2-4	\$10,200	LIFE	* *	5	\$100	
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Basement							
		Explanation : Corroded							
Lighting									
	Interior Lighting								
	LED	100%			2038	* *			
	Exterior Lighting								
	HID	20%	Now	\$5,700	2043	* *			
		Malfunctioning, Extent : Moderate, Area Affected : 100%							
		Location : Outside Perimeter							
	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%			2043	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2038	* *	1	\$6,200	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Unit							
	Distribution								
	Steam Piping/Pump	100%			2033	\$48,800			

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

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
Heating									
	Terminal Devices								
	Convector/Radiator	100%	Now	\$5,000	2031	\$49,800	1	\$1,800	
		Damaged, Extent : Moderate, Area Affected : 10%							
		Location : Radiators In The Locker Room And Bunkroom On The 2nd Floor							
	Controls								
	Electrical	100%			2026	\$33,900			
Air Conditioning									
	Energy Source								
	Electricity	100%			2041	* *	1		
	Conversion Equipment								
	Split Unit	10%	Now	\$14,500	2043	* *			
		Broken, Extent : Severe, Area Affected : 100%							
		Location : Kitchen							
	Split Unit	20%			2028	\$28,900			
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Bunkroom And Gymnasium Unit							
		Explanation : Ducted Units With Condensers On The Roof							
	Window/Wall Unit	30%			2026	\$6,900	1		
	No Component	40%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	30%			LIFE	* *	2-5	\$1,000	
	No Component	70%							
	Exhaust Fans								
	Interior	20%			2028	\$5,400	2		
	Roof	10%			2028	\$1,200	2		
	Wall Unit	20%			2028	\$500	2		
	No Component	50%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%	Now	\$3,900	2043	* *	1		
		Not Insulated, Extent : Moderate, Area Affected : 50%							
		Location : Basement Causing Condensate To Drip							
		Other Observation, Extent : Moderate, Area Affected : 50%							
		Location : 2nd Floor							
		Explanation : Low Water Pressure							
	Water Heater With Tanks								
	Gas Fired	100%			2028	\$33,400	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 74 Gallon Units. Quantity 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. 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	\$4,600	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	\$1,100	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%	Now	\$1,200	2043	* *	4	\$100	
		Broken, Extent : Severe, Area Affected : 100%							
		Location : Basement							
Fixtures									
	Generic	100%							
		Obsolete Fixtures, Extent : Severe, Area Affected : 100%							
		Location : Throughout							
Fire Suppression									
	Chemical System								
	Generic	100%			2026	\$8,000	1-3	\$37,200	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Kitchen							
		Explanation : Hood Is 10 Square Feet							

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

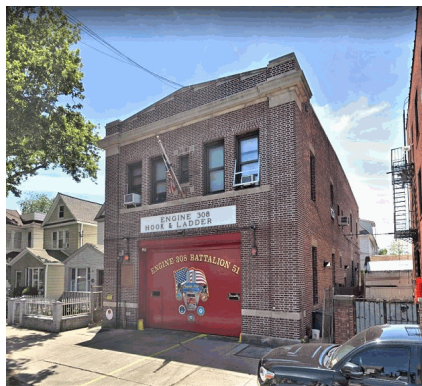
Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 308
Address : 107-12 LEFFERTS BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.308 / 13193 **Yr Built/Renovated** : 1926 / 2006
Area Sq Ft : 5,952 **Project Type** : FIRE DEPARTMENT
Date of Survey : 17-Feb-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 9598 **Lot** : 10 **BIN** : 4205407

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture		\$72,100
Electrical		\$63,500
Site Enclosure	\$197,800	
Total	\$197,800	\$135,600
Importance Code B	\$197,800	\$135,600
Total	\$197,800	\$135,600

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$37,900	\$3,300		\$8,200
Interior Architecture	\$65,600		\$800	\$400
Electrical	\$600	\$3,100	\$700	\$700
Mechanical	\$31,000	\$11,800	\$11,900	\$36,200
Site Enclosure	\$84,900			
Site Pavements	\$36,900			
Total	\$256,900	\$18,300	\$13,300	\$45,600
Importance Code A	\$38,400	\$3,900	\$600	\$8,800
Importance Code B	\$105,600	\$14,300	\$12,700	\$36,800
Importance Code C	\$112,900			
Total	\$256,900	\$18,300	\$13,300	\$45,600



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. 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%			2046	* *	5	\$6,700	
Windows								
Aluminum	100%	Now	\$8,800	2049	* *	5	\$900	
Air Infiltration, Extent : Light, Area Affected : 10%								
Location : Around Window Air Conditioning Units								
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%								
Location : Second Floor Bunk Room								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : Basement Areaways								
Parapets								
Masonry: Brick	90%	Now	\$29,000	LIFE	* *	5	\$2,300	
Horizontal Cracks, Extent : Moderate, Area Affected : 10%								
Location : Rear Parapet								
Spalling, Extent : Moderate, Area Affected : 10%								
Location : Interior Facades								
Masonry: Limestone	5%			LIFE	* *	5	\$200	
Pre-Cast Concrete	5%			LIFE	* *	5	\$800	
Roof								
Modified Bitumen	100%			2038	* *	10	\$8,200	
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	* *	5	\$11,700	
Ceramic Tile	10%			2042	* *	5	\$900	
Vinyl Tile	30%			2033	\$72,100	3	\$1,000	
Interior Walls								
Cast in Place Concrete	10%	Now	\$5,300	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Gypsum Board	10%			LIFE	* *	5	\$900	
Masonry: Brick	10%	Now	\$26,600	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 25%								
Location : East Side Of Basement								
Plaster	35%	0-2	\$2,400	LIFE	* *	5	\$1,500	
Paint Peeling, Extent : Light, Area Affected : 10%								
Location : 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. 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
Interior									
	Ceilings								
	AcousTileSusp.Lay-In	10%			2038	**	5	\$900	
	Exposed Struc: Concrete	30%			LIFE	**	5	\$400	
	Exposed Struc: Steel	30%	Now	\$31,400	LIFE	**			
	Corrosion/Rusting, Extent : Moderate, Area Affected : 50%								
	Location : Below Sidewalk								
	Water Penetration, Extent : Moderate, Area Affected : 25%								
	Location : Below Sidewalk								
	Gypsum Board	5%			LIFE	**	5	\$600	
	Plaster	25%			LIFE	**	5	\$1,400	
Site Enclosure									
	Fence/Gates								
	Chain Link	100%	0-2	\$42,900	2043	**			
	Corrosion/Rusting, Extent : Moderate, Area Affected : 60%								
	Location : Throughout								
Retaining Walls									
	Cast in Place Concrete	25%	Now	\$42,000	2083	**			
	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	\$197,800	2063	**			
	Cracking/Crumbling, Extent : Severe, Area Affected : 75%								
	Location : West Side Of Property								
	Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 75%								
	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	\$1,200	2038	**			
	Cracking/Crumbling, Extent : Light, Area Affected : 10%								
	Location : Throughout								
On-Site Walkways									
	Cast in Place Concrete	100%	Now	\$26,100	2053	**			
	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								
	Other Observation, Extent : Moderate, Area Affected : 100%								
	Location : Around Window Wells								
	Explanation : Graded Slopes Toward Window Wells								

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

Maintenance \$ are aggregated over a ten-year period. Site specific 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 Pavements

Parking/Driveway

Cast in Place Concrete	100%	Now	\$9,600	2038	**
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*Cracking/Crumbling, Extent : Severe, Area Affected : 25%**Location : Throughout*

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

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2043	**	5
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : Main Service Disconnect Switch Rated At 200 Amperes.*

Switchgear / Switchboard

Molded Case Bkrs	100%			2033	\$63,500	5	\$200
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Raceway

Conduit	70%			2033	\$25,200	1
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Conduit	30%			2053	**	1
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Panelboards

Fused Disc Sw	5%			2032	\$2,400	5
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Molded Case Bkrs	65%			2032	\$31,500	5	\$100
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Molded Case Bkrs	30%			2049	**	5
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Wiring

Thermoplastic	70%			2033	\$22,800	1
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Thermoplastic	30%			2053	**	1
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Ground

Grounding Devices

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

Transfer Switches

Automatic	100%			2038	**	1	\$1,800
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Generators

Diesel	100%			2036	**	1	\$2,300
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Backyard**Explanation : Emergency Generator Rated 80 Kilowatts*

Batteries

Lead/Acid	100%			2026	\$2,400	5	\$200
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Fuel Storage

Main Tank	100%			2048	**	5
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Backyard**Explanation : 60 Gallons Rated Capacity*

Lighting

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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	

Lighting

Interior Lighting

LED

100%

2041

* *

Egress Lighting

Emergency, Service

70%

2041

* *

1

Exit, LED

30%

2068

* *

1

Exterior Lighting

LED

20%

2041

* *

No Component

80%

Alarm

Security System

Generic

100%

2041

* *

1

\$2,200

*Other Observation, Extent : N/A, 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%

2053

* *

1

Conversion Equipment

Steam Boiler

100%

2046

* *

1

\$5,900

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : 1 Unit*

Distribution

Steam Piping/Pump

100%

2043

* *

Terminal Devices

Convactor/Radiator

100%

2038

* *

1

\$1,900

Air Conditioning

Energy Source

Electricity

100%

2041

* *

1

Conversion Equipment

Window/Wall Unit

50%

2028

\$11,000

1

No Component

50%

Ventilation

Distribution

Ductwork/Diffusers

15%

LIFE

* *

2-5

\$500

No Component

85%

*Note : 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. 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
Ventilation									
	Exhaust Fans								
	Roof	15%			2038	* *	2		
	Wall Unit	40%	0-2	\$1,000	2043	* *	2	\$100	
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Apparatus Floor							
		Explanation : One Noisy Life Extended Unit.							
	No Component	45%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	5%	0-2	\$700	2043	* *	1		
		Not Insulated, Extent : Moderate, Area Affected : 20%							
		Location : Basement							
	Brass/Copper	95%			2043	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2031	\$16,700	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Only One 75 Gallon Unit							
	Sanitary Piping								
	Cast Iron	10%	Now	\$3,700	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 30%							
		Location : Front Of Basement And Apparatus Floor							
		Corroded, Extent : Severe, Area Affected : 50%							
		Location : Front Of Basement							
	Cast Iron	90%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	10%	0-2	\$400	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 20%							
		Location : 1st And 2nd Floor Bathrooms							
	Cast Iron	90%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%	Now	\$400	2028	\$400	4	\$100	
		Malfunctioning, Extent : Severe, Area Affected : 100%							
		Location : Basement							
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2031	\$31,900	1-3	\$161,800	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Kitchen							
		Explanation : 1 Set Covers 40 Square Feet							

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

Estimates are rounded to the nearest hundred dollars.

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

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 309/LADDER CO. 159
Address : 1851 EAST 48th STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.309 / 13194 **Yr Built/Renovated** : 1927 /
Area Sq Ft : 4,930 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Nov-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 8488 **Lot** : 16 **BIN** : 3239495

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$40,300	\$9,700		\$10,700
Interior Architecture	\$35,000	\$1,600	\$200	\$400
Electrical	\$200	\$200	\$200	\$1,200
Mechanical	\$20,300	\$25,900	\$5,700	\$5,600
Site Pavements	\$900			
Total	\$96,600	\$37,400	\$6,000	\$17,900
Importance Code A	\$40,800	\$10,200	\$500	\$11,200
Importance Code B	\$25,400	\$27,200	\$5,600	\$6,700
Importance Code C	\$30,400			
Total	\$96,600	\$37,400	\$6,000	\$17,900



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. 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%	4+	\$30,400	LIFE	**	5	\$18,900	
Spalling, Extent : Moderate, Area Affected : 4%								
Location : Rear Facade								
Masonry: Granite	2%			LIFE	**	5	\$400	
Masonry: Limestone	5%	Now	\$9,900	LIFE	**	5	\$1,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Main Facade West								
Metal Panel	5%			2053	**	5-10	\$8,900	
Wood Overhead Doors	15%			2046	**	5	\$19,400	
Windows								
Aluminum	100%			2049	**	5	\$1,900	
Parapets								
Cast Stone/Terra Cotta	14%			LIFE	**	5	\$2,000	
Masonry: Brick	70%			LIFE	**	5	\$1,300	
Masonry: Limestone	8%			LIFE	**	5	\$200	
Metal Panel	8%			2053	**	5	\$600	
Roof								
Modified Bitumen	100%			2038	**	10	\$8,000	
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$9,200	
Worn/Eroded, Extent : Light, Area Affected : 5%								
Location : 1st Floor								
Ceramic Tile	5%			2042	**	5	\$400	
Quarry Tile	5%			2046	**	5	\$600	
Vinyl Tile	40%	4+	\$4,500	2038	**	3	\$1,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Bunk Room								
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	\$30,400	LIFE	**			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Ceilings								
AcousTileSusp.Lay-In	30%			2046	**	5	\$2,500	
Exposed Struc: Concrete	35%			LIFE	**	5	\$500	
Metal Panel	5%			LIFE	**	5	\$500	
Other Observation, Extent : N/A, Area Affected : 5%								
Location : Equipment Room								
Explanation : Perforated Metal Panel Ceiling								
Plaster	30%			LIFE	**	5	\$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. 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 Enclosure

Fence/Gates

Chain Link

100%

2053

* *

Site Pavements

Public Sidewalk

Cast in Place Concrete

100%

4+

\$900

2046

* *

*Other Observation, Extent : Severe, Area Affected : 2%**Location : Sidewalk Belco Doors**Explanation : Water Penetration*

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%

2053

* *

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%

2053

* *

5

\$100

Raceway

Conduit

100%

2053

* *

1

Panelboards

Fused Disc Sw

20%

2049

* *

5

Molded Case Bkrs

80%

2049

* *

5

\$100

Wiring

Thermoplastic

100%

2053

* *

1

Ground

Grounding Devices

Generic

100%

LIFE

* *

5

\$100

Lighting

Interior Lighting

Fluorescent

20%

2038

* *

10

\$900

*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : Basement*

LED

80%

2038

* *

Egress Lighting

Emergency, Service

50%

2038

* *

1

Exit, LED

50%

2061

* *

1

Exterior Lighting

LED

20%

2038

* *

No Component

80%

Alarm

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

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 309/LADDER CO. 159
Asset # : 13194

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

Alarm

Security System
Generic

100%

2038

* *

1

\$1,800

*Other Observation, Extent : Light, Area Affected : 100%**Location : Front Of The Building**Explanation : CCTV Surveillance Cameras*

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

Heating

Energy Source

Natural Gas

100%

2053

* *

1

Conversion Equipment

Steam Boiler

100%

2046

* *

1

\$4,900

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 1 Unit*

Distribution

Steam Piping/Pump

100%

2043

* *

Terminal Devices

Convactor/Radiator

100%

2038

* *

1

\$1,600

Air Conditioning

Energy Source

Electricity

100%

2041

* *

1

Conversion Equipment

Window/Wall Unit

50%

2031

\$9,100

1

No Component

50%

Ventilation

Distribution

Ductwork/Diffusers

10%

LIFE

* *

2-5

\$300

No Component

90%

Exhaust Fans

Interior

40%

0-2

\$8,500

2043

* *

2

*Other Observation, Extent : Moderate, Area Affected : 40%**Location : Bunk And Storage Room**Explanation : Insufficient Ventilation In Bunk And Storage Room*

Roof

20%

2033

\$1,900

2

Wall Unit

15%

2038

* *

2

No Component

25%

Plumbing

H/C Water Piping

Brass/Copper

100%

2053

* *

1

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

Maintenance \$ are aggregated over a ten-year period. Site specific 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
Plumbing									
	Water Heater With Tanks								
	Gas Fired	100%			2031	\$33,400	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 2 Units. 74 Gallons							
Sanitary Piping									
	Cast Iron	80%			LIFE	**	1		
	Cast Iron	20%	0-2	\$6,100	LIFE	**	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 20%							
		Location : 2nd Floor Bathroom							
Storm Drain Piping									
	Cast Iron	100%			LIFE	**	1		
Sump Pump(s)									
	Submersible	100%	Now	\$100	2026	\$100	4	\$100	
		Cracked, Extent : Severe, Area Affected : 5%							
		Location : The Pipe, Basement							
Fixtures									
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2026	\$14,300	1-3	\$67,000	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Kitchen Fire Suppression 18 Square Feet							
		Explanation : 1 Set. Kitchen Fire Suppression System							

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 03-Nov-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Floors 1,2
Block : 4699 **Lot** : 40 **BIN** : 3102909

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Electrical		\$63,500
Total		\$63,500
Importance Code B		\$63,500
Total		\$63,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$34,100		\$5,800	
Interior Architecture	\$29,900		\$2,600	\$1,000
Electrical	\$300	\$200	\$200	\$300
Mechanical	\$5,700	\$900	\$1,200	\$1,000
Site Enclosure	\$38,000			
Site Pavements	\$5,600			
Total	\$113,600	\$1,100	\$9,900	\$2,400
Importance Code A	\$34,700	\$600	\$6,300	\$600
Importance Code B	\$28,200	\$600	\$3,600	\$1,500
Importance Code C	\$50,700			\$300
Total	\$113,600	\$1,100	\$9,900	\$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. 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	\$33,500	
	Masonry: Limestone	5%			LIFE	**	5	\$1,600	
	Metal Sect. OHD	15%			2047	**	5	\$9,800	
Windows									
	Aluminum	100%			2042	**	5	\$1,700	
Other Observation, Extent : Light, Area Affected : 5%									
Location : 2nd Floor Office Window									
Explanation : Leak At Corner									
Parapets									
	Masonry: Brick	85%			LIFE	**	5-10	\$12,000	
	Masonry: Limestone	5%	4+	\$5,000	LIFE	**	5	\$100	
Worn/Eroded, Extent : Moderate, Area Affected : 50%									
Location : Cornice									
	Pre-Cast Concrete	10%			LIFE	**	5	\$2,600	
Roof									
	Asphalt Shingle	10%			2043	**	10	\$100	
	Modified Bitumen	90%			2042	**	10	\$7,400	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Roof									
Explanation : Surveyor Unable To Access Roof									
Interior									
Floors									
	Cast in Place Concrete	30%			LIFE	**	5	\$19,400	
	Ceramic Tile	10%			2043	**	5	\$1,500	
Other Observation, Extent : Light, Area Affected : 5%									
Location : Steps									
Explanation : Cracks And Crumbling At Steps									
	Quarry Tile	5%			2047	**	5	\$1,100	
	Vinyl Tile	55%			2039	**	3	\$3,000	
Interior Walls									
	Cast in Place Concrete	20%			LIFE	**	10	\$6,000	
	Ceramic Tile	5%			2043	**	5	\$600	
	Gypsum Board	5%			LIFE	**	5-10	\$1,000	
	Plaster	40%			LIFE	**	5-10	\$4,100	
	SGFT/Glazed Masonry	30%			LIFE	**	10	\$1,800	
Ceilings									
	AcousTileSusp.Lay-In	25%			2047	**	5	\$2,200	
	Exposed Struc: Steel	25%			LIFE	**	10	\$4,300	
	Plaster	50%			LIFE	**	5-10	\$7,400	
Site Enclosure									
Fence/Gates									
	Chain Link	100%	Now	\$38,000	2064	**			
Broken/Missing Elements, Extent : Moderate, Area Affected : 30%									
Location : Throughout									
Corrosion/Rusting, Extent : Moderate, Area Affected : 100%									
Location : Side 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. 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

Public Sidewalk

Cast in Place Concrete	100%	0-2	\$4,100	2047		**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 25%</i>									
<i>Location : Front Sidewalk</i>									

On-Site Walkways

Cast in Place Concrete	100%	0-2	\$1,500	2047		**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 30%</i>									
<i>Location : Throughout</i>									

Parking/Driveway

Cast in Place Concrete	100%			2047		**			
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Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2044		**	5		
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : Main Service Disconnect Switch Rated At 200 Amperes.</i>									

Switchgear / Switchboard

Molded Case Bkrs	100%			2034		\$63,500	5		\$200
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Raceway

Conduit	100%			2034		\$36,000	1		
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Panelboards

Molded Case Bkrs	100%			2033		\$48,500	5		\$200
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Wiring

Thermoplastic	100%			2034		\$32,500	1		
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Motor Controllers

Locally Mounted	100%			2032		\$17,800	5		
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Ground

Grounding Devices

Generic	100%			LIFE		**	5		\$200
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Lighting

Interior Lighting

LED	100%			2042		**			
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Egress Lighting

Emergency, Battery	50%			2042		**	10		\$700
Exit, Service	50%			2029		\$1,200	1		

Exterior Lighting

LED	20%			2042		**			
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. 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	

Alarm

Security System
Generic

100% 2042 * * 1 \$2,200
Other Observation, Extent : N/A, 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% 2044 * * 1

Conversion Equipment

Steam Boiler

100% 2039 * * 1 \$5,800

Distribution

Steam Piping/Pump

100% 2-4 \$2,300 2034 \$45,900
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 Cast Iron

Terminal Devices

Convactor/Radiator

100% 2039 * * 1 \$1,900

Air Conditioning

Energy Source

Electricity

100% 2050 * * 1

Conversion Equipment

Split Unit

10% 2042 * *

Window/Wall Unit

20% 2029 \$4,300 1

No Component

70%

Ventilation

Distribution

Ductwork/Diffusers

25% LIFE * * 2-5 \$1,300

No Component

75%

Exhaust Fans

Roof

25% 2039 * * 2

Roof

50% 2039 * * 2 \$100

Wall Unit

25% 2039 * * 2

Plumbing

H/C Water Piping

Brass/Copper

100% 2044 * * 1

Water Heater With Tanks

Gas Fired

100% 2029 \$16,700 2
Other Observation, Extent : Light, Area Affected : 100%
Location : Cellar
Explanation : One 74 Gallon Unit And Old Unit Remaining In Corner

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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

Mechanical		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	6%	Now	\$1,700	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%			2027	\$200	4	\$200	
	Backflow Preventer								
	Generic	100%			2039	* *	1	\$400	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	98%							
	Generic	2%			2034	\$300	1-3	\$1,600	

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 311/LADDER CO. 158
Address : 145-50 SPRINGFIELD BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.311 / 13196 **Yr Built/Renovated** : 1927 / 2006
Area Sq Ft : 5,780 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Dec-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 13361 **Lot** : 200 **BIN** : 4286093

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$118,700	
Interior Architecture	\$1,177,400	
Site Enclosure		\$122,800
Total	\$1,296,100	\$122,800
Importance Code A	\$118,700	
Importance Code B	\$1,177,400	
Importance Code C		\$122,800
Total	\$1,296,100	\$122,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$4,400			\$5,300
Interior Architecture	\$112,600		\$700	\$700
Electrical	\$16,700	\$400	\$400	\$14,200
Mechanical	\$27,700	\$7,600	\$7,800	\$15,100
Site Enclosure	\$500			
Site Pavements	\$8,000			
Total	\$169,800	\$8,000	\$9,000	\$35,300
Importance Code A	\$5,000	\$600	\$600	\$5,800
Importance Code B	\$113,500	\$7,400	\$8,100	\$29,400
Importance Code C	\$51,400		\$300	
Total	\$169,800	\$8,000	\$9,000	\$35,300



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. 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%			2053	**	10	\$700	
	Masonry: Brick	70%	Now	\$118,700	LIFE	**	5	\$14,800	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%									
Location : North Side									
Water Penetration, Extent : Severe, Area Affected : 10%									
Location : North Side									
	Masonry: Granite	2%			LIFE	**	5	\$300	
	Masonry: Limestone	8%			LIFE	**	5	\$1,300	
	Wood Overhead Doors	10%			2038	**	5	\$10,500	
Windows									
	Aluminum	100%			2049	**	5	\$1,800	
Parapets									
	Cast Stone/Terra Cotta	10%			LIFE	**	5	\$1,400	
	Masonry: Brick	90%			LIFE	**	5	\$1,600	
Roof									
	Modified Bitumen	97%	4+	\$4,400	2038	**			
Blisters, Extent : Light, Area Affected : 10%									
Location : Throughout									
Water Penetration, Extent : Moderate, Area Affected : 2%									
Location : Lockroom									
	Skylight, Metal/Glass	3%			2053	**	10	\$900	
Soffits									
	Alum/Vinyl Siding	100%			2053	**	10		
Interior									
Floors									
	Cast in Place Concrete	40%	Now	\$584,200	LIFE	**	5	\$12,800	
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%			2042	**	5	\$700	
	Quarry Tile	15%	Now	\$15,800	2046	**	5	\$1,600	
Cracking/Crumbling, Extent : Light, Area Affected : 10%									
Location : Throughout Kitchen									
	Vinyl Tile	40%	Now	\$47,400	2028	\$158,100	3	\$2,200	
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. 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	\$18,400	LIFE	**			
Cracking/Crumbling, Extent : Light, Area Affected : 10%									
Location : Throughout Basement									
	Ceramic Tile	5%			2042	**	5	\$600	
	Plaster	45%	Now	\$13,200	LIFE	**	5	\$1,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%									
Location : Throughout, Bunk Rooms									
Water Penetration, Extent : Severe, Area Affected : 5%									
Location : North Wall, Bunk Room									
	SGFT/Glazed Masonry	30%	0-2	\$16,300	LIFE	**			
Cracking/Crumbling, Extent : Light, Area Affected : 10%									
Location : Throughout									
Ceilings									
	AcousTileSusp.Lay-In	5%	0-2	\$1,500	2038	**	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 Struc: Concrete	55%	Now	\$435,200	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+	\$500	2053	**			
Impact Damage, Extent : Light, Area Affected : 10%									
Location : North Side									
	Wood	85%			2031	\$122,800			
Site Pavements									
Public Sidewalk									
	Cast in Place Concrete	100%	4+	\$2,600	2046	**			
Cracking/Crumbling, Extent : Light, Area Affected : 10%									
Location : Throughout									
On-Site Walkways									
	Cast in Place Concrete	10%			2046	**			
	Wood	90%			2028		1-3		

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

Site Pavements

Parking/Driveway

Asphalt	75%				2042	**			
Cast in Place Concrete	25%	Now		\$3,000	2046	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : Front Apron</i>									
<i>Sinking/Subsiding, Extent : Light, Area Affected : 5%</i>									
<i>Location : Front Apron</i>									

Activity Yard

Cast in Place Concrete	100%	4+		\$2,400	2046	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Throughout</i>									

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

Under 600 Volts

Service Equipment

Fused Disc Sw	100%				2059	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>									

Raceway

Conduit	40%				2059	**	1		
Conduit	60%				2033	\$21,600	1		

Panelboards

Fused Disc Sw	3%				2032	\$1,500	5		
Fused Disc Sw	2%				2055	**	5		
Molded Case Bkrs	45%				2055	**	5	\$100	
Molded Case Bkrs	50%				2032	\$24,200	5	\$100	

Wiring

Braided Cloth	50%	0-2		\$16,300	2058	**	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Throughout The Building</i>									

Thermoplastic	20%				2033	\$6,500	1		
Thermoplastic	30%				2059	**	1		

Motor Controllers

Locally Mounted	100%				2031	\$17,800	5		
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Ground

Grounding Devices

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

Transfer Switches

Automatic	100%				2050	**	1	\$1,800	
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 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									
Generators									
	Diesel	100%			2046	* *	1	\$2,200	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Generator Room Outside									
Explanation : One 80 Kilowatts									
Batteries									
	Lead/Acid	100%			2028	\$2,400	5	\$200	
Fuel Storage									
	Main Tank	100%			2068	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Generator Room Outside									
Explanation : One 275 Gallons									
Lighting									
Interior Lighting									
	Fluorescent	60%			2038	* *	10	\$3,200	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%									
Location : Throughout The Building									
	Fluorescent	10%			2028	\$4,900	10	\$500	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%									
Location : Basement									
	LED	30%			2041	* *			
Egress Lighting									
	Emergency, Service	50%			2038	* *	1		
	No Component	50%							
Exterior Lighting									
	HID	10%			2028	\$2,600	10		
	LED	10%			2038	* *			
	No Component	80%							

Mechanical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Energy Source								
	Natural Gas	100%			2053	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2046	* *	1	\$5,700	
	Distribution								
	Central Plant Steam Piping/Pmp	100%	0-2	\$7,900	2043	* *	4	\$300	
		Leak Evident, Extent : Moderate, Area Affected : 5%							
		Location : Leaking Steam Piping Leaking At Basement							
	Terminal Devices								
	Convactor/Radiator	100%			2038	* *	1	\$1,900	

Air Conditioning

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

FIRE DEPARTMENT - 057
ENGINE CO. 311/LADDER CO. 158
Asset # : 13196

Mechanical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning									
	Energy Source								
	Electricity	100%			2049	* *	1		
	Conversion Equipment								
	Split Unit	10%			2038	* *			
		Other Observation, Extent : Light, Area Affected : 10%							
		Location : Kitchen							
		Explanation : 1 Unit In Kitchen							
	Window/Wall Unit	40%			2031	\$8,600	1		
	No Component	50%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$3,200	
	Exhaust Fans								
	Interior	100%			2033	\$25,000	2	\$200	
Plumbing									
	H/C Water Piping								
	Galvanized Steel	100%			2038	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2031	\$33,400	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 2 Units							
	Sanitary Piping								
	Cast Iron	100%	Now	\$3,600	LIFE	* *	1		
		Leak Evident, Extent : Severe, Area Affected : 15%							
		Location : Basement When It Rains							
	Storm Drain Piping								
	Cast Iron	100%	Now	\$1,000	LIFE	* *	1		
		Leak Evident, Extent : Severe, Area Affected : 10%							
		Location : Basement, High Water Table							
	Sump Pump(s)								
	Submersible	100%			2026	\$200	4	\$200	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2031	\$19,100	1-3	\$97,100	
		Other Observation, Extent : Light, Area Affected : 10%							
		Location : Kitchen							
		Explanation : 1 Set Fire Suppression System Covers 24 Square Feet							

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 312
Address : 22-63 35th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.312 / 13197 **Yr Built/Renovated** : 1928 /
Area Sq Ft : 4,590 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Oct-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 822 **Lot** : 7 **BIN** : 4016405

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture		\$65,400
Interior Architecture		\$64,100
Total		\$129,500
Importance Code A		\$65,400
Importance Code B		\$64,100
Total		\$129,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$39,000			\$3,000
Interior Architecture	\$25,300	\$600	\$400	\$100
Electrical	\$1,400	\$400	\$300	\$3,400
Mechanical	\$15,100	\$6,300	\$6,200	\$21,600
Site Pavements	\$14,300			
Total	\$95,100	\$7,300	\$6,900	\$28,100
Importance Code A	\$39,500	\$500	\$500	\$3,500
Importance Code B	\$31,600	\$6,800	\$6,000	\$24,600
Importance Code C	\$24,100		\$400	
Total	\$95,100	\$7,300	\$6,900	\$28,100



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. 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%	4+	\$20,700	LIFE	**	5	\$12,900	
	Paint Peeling, Extent : Light, Area Affected : 5%							
	Location : Side Walls							
	Painted Surfaces, Extent : Moderate, Area Affected : 80%							
	Location : Side And Rear Building Walls							
Masonry: Granite	8%			LIFE	**	5	\$1,000	
Masonry: Limestone	10%	0-2	\$13,200	LIFE	**	5	\$1,300	
	Cracking/Crumbling, Extent : Light, Area Affected : 20%							
	Location : Throughout							
Wood Overhead Doors	7%			2038	**	5	\$6,000	
Windows								
Aluminum	100%			2049	**	5	\$400	
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$500	
Masonry: Brick	90%			LIFE	**	5	\$600	
Roof								
Modified Bitumen	95%	Now	\$3,300	2033	\$65,400			
	Blisters, Extent : Moderate, Area Affected : 10%							
	Location : Roof							
	Water Penetration, Extent : Moderate, Area Affected : 2%							
	Location : Bunker Room							
Skylight, Metal/Glass	5%	Now	\$1,800	2043	**			
	Water Penetration, Extent : Light, Area Affected : 5%							
	Location : Skylight							
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$7,500	
Ceramic Tile	6%	0-2	\$1,500	2042	**	5	\$200	
	Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%							
	Location : Bathrooms							
Quarry Tile	5%			2046	**	5	\$500	
Terrazzo	6%	0-2	\$1,900	LIFE	**	5	\$300	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
	Location : Bunkroom Bathroom							
Traffic Topping	20%	Now	\$3,200	2033	\$64,100	5	\$900	
	Cracking/Crumbling, Extent : Light, Area Affected : 10%							
	Location : Throughout 2nd Floor							
	Worn/Eroded, Extent : Moderate, Area Affected : 10%							
	Location : Throughout 2nd Floor							
Vinyl Tile	13%	Now	\$4,800	2033	\$24,100	3	\$300	
	Cracking/Crumbling, Extent : Severe, Area Affected : 20%							
	Location : Offices							
	Worn/Eroded, Extent : Moderate, Area Affected : 20%							
	Location : Offices							

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. 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	8%			2042	**	5		\$800	
Gypsum Board	10%	Now		\$700	LIFE	**	5	\$600	

*Broken/Missing Elements, Extent : Moderate, Area Affected : 10%**Location : Basement Training Room**Cracking/Crumbling, Extent : Light, Area Affected : 5%**Location : Throughout*

Marble Panels	7%	0-2		\$5,700	LIFE	**			
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>									
<i>Location : Bathrooms</i>									

Plaster	30%	Now		\$3,400	LIFE	**	5	\$900	
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>									
<i>Location : Around Window In Bunker Room 2nd Floor And Scuttle</i>									

SGFT/Glazed Masonry	20%			LIFE	**				
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Ceilings

AcousTileSusp.Lay-In	10%			2046	**	5		\$700	
Exposed Struc: Steel	30%			LIFE	**				
Gypsum Board	20%			LIFE	**	5		\$1,700	
Plaster	40%	Now		\$4,100	LIFE	**	5	\$1,700	

*Cracking/Crumbling, Extent : Severe, Area Affected : 5%**Location : Bunker Room And Scuttle***Site Enclosure****Fence/Gates**

Chain Link	100%			2043	**				
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Site Pavements**Public Sidewalk**

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

Cast in Place Concrete	100%	Now		\$1,100	2046	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 50%</i>									
<i>Location : Apron</i>									

Parking/Driveway

Cast in Place Concrete	100%	Now		\$13,200	2038	**			
<i>Broken/Missing Elements, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : Driveway</i>									
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Driveway</i>									

Electrical		Current Repair			Future Replacement		Maintenance		
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. 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									
	Service Equipment								
	Molded Case Bkrs	100%			2043	* *	5	\$100	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : One 200 Ampere Main Disconnect Switch							
	Raceway								
	Conduit	95%			2033	\$34,200	1		
	Conduit	5%			2043	* *	1		
	Panelboards								
	Fused Disc Sw	5%			2032	\$2,400	5		
	Molded Case Bkrs	95%			2041	* *	5	\$100	
	Wiring								
	Thermoplastic	10%			2033	\$3,300	1		
	Thermoplastic	90%			2043	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2038	* *	5		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2050	* *	1	\$1,400	
	Generators								
	Diesel	100%			2046	* *	1	\$1,800	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Outside Backyard							
		Explanation : One 60 Kilowatts							
	Batteries								
	Lead/Acid	100%			2028	\$2,400	5	\$200	
	Fuel Storage								
	Main Tank	100%			2068	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Outside Backyard							
		Explanation : One 120 Gallons							
Lighting									
	Interior Lighting								
	Fluorescent	99%			2033	\$38,500	10	\$4,200	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Throughout The Building							
		Explanation : T-8 Lamps							
	Incandescent	1%			2028	\$600	2		
	Egress Lighting								
	Emergency, Service	70%			2038	* *	1		
	Exit, Service	30%			2038	* *	1		

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FIRE DEPARTMENT - 057**ENGINE CO. 312****Asset # : 13197**

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

Lighting

Exterior Lighting

HID	15%			2038	**	10			
HID	5%	Now	\$1,000	2043	**				

*Malfunctioning, Extent : Severe, Area Affected : 100%**Location : Front And Back Of The Building*

No Component	80%								
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Mechanical		Current Repair			Future 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%			2053	**	1			
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Conversion Equipment

Steam Boiler	100%			2046	**	1		\$4,600	
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : 1 Unit*

Distribution

Steam Piping/Pump	100%			2043	**				
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Terminal Devices

Convactor/Radiator	100%			2046	**	1		\$1,500	
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Air Conditioning

Energy Source

Electricity	100%			2049	**	1			
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Conversion Equipment

Window/Wall Unit	50%	0-2	\$2,500	2028	\$8,500	1			
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*Not in Service, Extent : Moderate, Area Affected : 15%**Location : Various Locations*

No Component	50%								
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Ventilation

Distribution

Ductwork/Diffusers	15%			LIFE	**	2-5		\$400	
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No Component	85%								
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Exhaust Fans

Roof	15%			2033	\$1,300	2			
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Wall Unit	25%			2028	\$500	2			
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No Component	60%								
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Plumbing

H/C Water Piping

Brass/Copper	100%			2043	**	1			
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Water Heater With Tanks

Gas Fired	100%			2031	\$33,400	2			
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : Two 75 Gallon Units*

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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
Plumbing									
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%			2026	\$100	4	\$100	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2031	\$15,900	1-3	\$80,900	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Kitchen, Covers 20 Square Feet								
	Explanation : 1 Set								

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 313/LADDER CO. 164
Address : 44-01 244th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.313 / 13198 **Yr Built/Renovated** : 1929 /
Area Sq Ft : 6,942 **Project Type** : FIRE DEPARTMENT
Date of Survey : 25-Mar-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 8112 **Lot** : 192 **BIN** : 4168901

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture		\$72,300
Interior Architecture	\$96,600	\$85,600
Mechanical	\$59,100	
Total	\$155,700	\$157,800
Importance Code A	\$59,100	\$72,300
Importance Code B	\$96,600	\$85,600
Total	\$155,700	\$157,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$88,700			\$3,000
Interior Architecture	\$69,100	\$900	\$800	
Electrical	\$800	\$800	\$800	\$7,100
Mechanical	\$86,000	\$1,200	\$1,000	\$39,400
Site Pavements	\$13,400			
Total	\$258,000	\$2,900	\$2,500	\$49,500
Importance Code A	\$88,700	\$700	\$700	\$3,700
Importance Code B	\$139,100	\$2,200	\$1,400	\$45,800
Importance Code C	\$30,200		\$400	
Total	\$258,000	\$2,900	\$2,500	\$49,500



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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%			2043	* *	10	\$800	
	Masonry: Brick	80%	4+	\$31,200	LIFE	* *	5	\$19,400	
Water Penetration, Extent : Severe, Area Affected : 5%									
Location : Basement Near House Trap									
	Masonry: Granite	2%			LIFE	* *	5	\$400	
	Masonry: Limestone	3%	4+	\$1,100	LIFE	* *	5	\$500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%									
Location : Front Facade At Door Surrounds									
	Wood Overhead Doors	5%			2038	* *	5	\$6,100	
Windows									
	Aluminum	100%	Now	\$7,800	2049	* *	5	\$800	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%									
Location : 2nd Floor Bunk Rooms									
Other Observation, Extent : Moderate, Area Affected : 60%									
Location : Throughout									
Explanation : Missing Insect Screens									
Parapets									
	Cast Stone/Terra Cotta	20%			LIFE	* *	5	\$3,500	
	Masonry: Brick	80%	0-2	\$44,900	LIFE	* *	5	\$1,800	
Cracking/Crumbling, Extent : Severe, Area Affected : 10%									
Location : Throughout Parapet									
Spalling, Extent : Severe, Area Affected : 20%									
Location : Throughout Parapet									
Roof									
	Asphalt Shingle	20%	Now	\$1,800	2036	* *			
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%									
Location : Where Asphalt Roof Meets Brick Exterior Wall									
	Modified Bitumen	10%	Now	\$1,800	2033	\$9,000			
Vegetation Growth, Extent : Moderate, Area Affected : 25%									
Location : Lower Roof									
Water Penetration, Extent : Severe, Area Affected : 5%									
Location : Bunk Rooms On 2nd Floor									
	Modified Bitumen	70%			2033	\$63,300	10	\$5,900	

Interior

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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								
Floors								
Cast in Place Concrete	55%	Now	\$96,600	LIFE	* *	5	\$12,700	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 5%							
	Location : Basement							
	Uneven Surface, Extent : Moderate, Area Affected : 10%							
	Location : Basement							
	Water Penetration, Extent : Moderate, Area Affected : 2%							
	Location : Basement On Front Wall And Near Sump Pump							
Ceramic Tile	10%	4+	\$1,200	2036	* *	5	\$500	
	Broken/Missing Elements, Extent : Severe, Area Affected : 2%							
	Location : Kitchen							
Quarry Tile	5%			2046	* *	5	\$800	
Vinyl Tile	30%			2033	\$85,600	3	\$1,200	
Interior Walls								
Cast in Place Concrete	20%	Now	\$21,600	LIFE	* *			
	Water Penetration, Extent : Moderate, Area Affected : 20%							
	Location : Basement							
Ceramic Tile	5%			2042	* *	5	\$700	
Plaster	50%	Now	\$8,600	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	* *			
Ceilings								
AcousTileSusp.Lay-In	10%			2046	* *	5	\$1,100	
Exposed Struc: Concrete	25%			LIFE	* *	5	\$400	
Exposed Struc: Steel	25%			LIFE	* *			
Plaster	40%	Now	\$37,700	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%			2053	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$13,400	2046	* *			
	Cracking/Crumbling, Extent : Severe, Area Affected : 10%							
	Location : 224th Street In Front Of Building							
	Sinking/Subsiding, Extent : Severe, Area Affected : 10%							
	Location : Apron Entrance To Firehouse							
	Tripping Hazard, Extent : Severe, Area Affected : 2%							
	Location : Apron Entrance							
Parking/Driveway								
Asphalt	80%			2042	* *			
Pavers/Stone	20%			2042	* *			

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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
Under 600 Volts									
	Service Equipment								
	Molded Case Bkrs	100%			2059	* *	5	\$200	
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Basement						
			Explanation : One 400 Ampere Main Disconnect Switch						
	Raceway								
	Conduit	90%			2033	\$32,400	1		
	Conduit	10%			2059	* *	1		
	Panelboards								
	Fused Disc Sw	5%			2032	\$2,400	5		
	Molded Case Bkrs	20%			2032	\$9,700	5		
	Molded Case Bkrs	75%			2055	* *	5	\$100	
	Wiring								
	Thermoplastic	70%			2033	\$22,800	1		
	Thermoplastic	30%			2059	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2031	\$17,800	5		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2050	* *	1	\$2,100	
	Generators								
	Diesel	100%			2046	* *	1	\$2,700	
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Outside						
			Explanation : One Generator 75 Kilovolt Amperes						
	Batteries								
	Nickel Cadmium	100%			2028	\$2,400	5	\$1,500	
	Fuel Storage								
	Day Tank	10%			2055	* *	5		
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Outside						
			Explanation : 120 Gallons						
	Main Tank	90%			2068	* *	5		
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Basement						
			Explanation : 550 Gallons Working Capacity						
Lighting									
	Interior Lighting								
	LED	100%			2041	* *			
	Egress Lighting								
	Emergency, Service	70%			2041	* *	1		
	Exit, LED	30%			2068	* *	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 313/LADDER CO. 164
Asset # : 13198

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

Lighting

Exterior Lighting

HID	10%			2028	\$3,200	10			
LED	10%			2041	**				
No Component	80%								

Alarm

Security System

Generic	100%			2041	**	1		\$2,600	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Exterior**Explanation : Cameras Security System*

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

Heating

Energy Source

Natural Gas	100%			2053	**	1			
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Conversion Equipment

Steam Boiler	100%	0-2	\$59,100	2053	**	1		\$6,200	
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement**Explanation : The Boiler Is Unreliable And Constantly Breaks Down*

Distribution

Hot Wtr Piping/Pump	100%			2041	**	4		\$500	
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Terminal Devices

Convactor/Radiator	100%	0-2	\$5,500	2038	**	1		\$2,000	
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*Leak Evident, Extent : Moderate, Area Affected : 10%**Location : Leaking Radiator In Second Floor Bathroom*

Air Conditioning

Energy Source

Electricity	100%			2049	**	1			
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Conversion Equipment

Exterior Pkg Unit - Cooling	50%	0-2	\$37,200	2043	**	2		\$200	
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*Malfunctioning, Extent : Moderate, Area Affected : 100%**Location : Unit Malfunctioning**R-410a Refrigerant, Extent : Light, Area Affected : 100%**Location : Roof*

Window/Wall Unit	20%			2028	\$5,100	1			
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No Component	30%								
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Ventilation

Exhaust Fans

Interior	20%	0-2	\$300	2033	\$6,000	2			
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*Loose, Extent : Moderate, Area Affected : 5%**Location : Duct Seperated*

No Component	80%								
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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									
	H/C Water Piping Brass/Copper	100%			2043	* *	1		
		No Water Meter, Extent : Light, Area Affected : 100%							
		Location : Basement							
	Water Heater With Tanks Gas Fired	100%			2028	\$33,400	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon Units							
	Sanitary Piping Cast Iron	100%	0-2	\$42,700	LIFE	* *	1		
		Cracked, Extent : Severe, Area Affected : 10%							
		Location : Cracked On Sewer Main Around Apparatus Room. Backup In Basement							
	Storm Drain Piping Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s) Submersible	100%			2026	\$200	4	\$200	
	Sewage Ejector(s) Electric	100%			2033	\$3,600	4	\$400	
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Basement							
		Explanation : Light Duty. Serves Basement Bathroom Only. Connected With Extension Cord							
	Backflow Preventer No Component Generic	95%							
		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.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 314
Address : 142-04 BROOKVILLE BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.314 / 13199 **Yr Built/Renovated** : 1929 /
Area Sq Ft : 6,128 **Project Type** : FIRE DEPARTMENT
Date of Survey : 11-May-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 13538 **Lot** : 15 **BIN** : 4287743

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$537,500	
Interior Architecture	\$203,500	
Electrical		\$63,500
Site Pavements	\$93,200	
Total	\$834,200	\$63,500
Importance Code A	\$537,500	
Importance Code B	\$203,500	\$63,500
Importance Code C	\$93,200	
Total	\$834,200	\$63,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$3,800			
Interior Architecture	\$114,600	\$1,100	\$100	\$300
Electrical	\$10,200	\$100	\$21,000	
Mechanical	\$9,700	\$1,400	\$29,400	\$1,400
Site Enclosure	\$30,800			
Site Pavements	\$5,400			
Total	\$174,600	\$2,500	\$50,500	\$1,600
Importance Code A	\$4,400	\$600	\$600	\$600
Importance Code B	\$81,900	\$1,300	\$49,900	\$1,000
Importance Code C	\$88,300	\$600		
Total	\$174,600	\$2,500	\$50,500	\$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. 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	\$319,700	LIFE	**	5	\$19,900	
	Paint Peeling, Extent : Moderate, Area Affected : 5%								
	Location : Rear And Side 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%	Now	\$52,500	2052	**	5	\$4,700	
	Unit Inoperable, Extent : Severe, Area Affected : 100%								
	Location : Overhead Door								
Windows									
	Aluminum	100%	Now	\$87,700	2057	**	5	\$900	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
	Location : Throughout								
	Crtrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%								
	Location : Throughout								
	Water Penetration, Extent : Severe, Area Affected : 20%								
	Location : 2nd Floor Office And Bunk Rooms								
Parapets									
	Cast Stone/Terra Cotta	10%	Now	\$3,800	LIFE	**	5	\$1,600	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : Front Parapet								
	Masonry: Brick	90%			LIFE	**	5	\$1,900	
	Paint Peeling, Extent : Severe, Area Affected : 50%								
	Location : Front Parapet								
	Painted Surfaces, Extent : Light, Area Affected : 100%								
	Location : Roof Parapet Wall								
Roof									
	Asphalt Shingle	10%			2041	**	10	\$100	
	Modified Bitumen	90%	Now	\$77,700	2037	**			
	Blisters, Extent : Moderate, Area Affected : 10%								
	Location : Main Roof								
	Ponding, Extent : Moderate, Area Affected : 10%								
	Location : Roof								
	Seams Open/Split, Extent : Moderate, Area Affected : 10%								
	Location : Roof								
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Main Roof								
	Explanation : Roof Flashing Being Repaired								

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

Maintenance \$ are aggregated over a ten-year period. Site specific 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	\$26,600	LIFE	* *	5	\$5,800	
	Cracking/Crumbling, Extent : Severe, Area Affected : 40%							
	Location : 1st Floor. Apparatus Floor Slab							
	Deflection Evident, Extent : Moderate, Area Affected : 10%							
	Location : 1st Floor Apparatus Floor							
	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%	Now	\$5,300	LIFE	* *	5	\$5,800	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
	Location : Basement							
Ceramic Tile	10%			2041	* *	5	\$900	
Quarry Tile	4%			2045	* *	5	\$500	
Sheet Vinyl/Rubber	1%			2037	* *	5	\$100	
	Other Observation, Extent : Light, Area Affected : 100%							
	Location : 1st Floor							
	Explanation : Laminate Wood Flooring							
Vinyl Tile	25%	Now	\$4,500	2027	\$89,800	3	\$800	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 5%							
	Location : 2nd Floor Offices And Bunk Rooms							
	Worn/Eroded, Extent : Moderate, Area Affected : 10%							
	Location : 2nd Floor Offices And Bunk Rooms							
Interior Walls								
Ceramic Tile	10%			2041	* *	5	\$1,200	
Gypsum Board	10%			LIFE	* *	5	\$700	
Masonry: Brick	20%	Now	\$22,700	LIFE	* *			
	Cracking/Crumbling, Extent : Moderate, Area Affected : 15%							
	Location : Stairs							
	Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%							
	Location : Throughout							
	Water Penetration, Extent : Moderate, Area Affected : 10%							
	Location : Throughout							
Plaster	30%	Now	\$34,800	LIFE	* *	5	\$1,100	
	Cracking/Crumbling, Extent : Severe, Area Affected : 60%							
	Location : 2nd Floor Bunk Rooms And Offices							
	Loose/Delam Surface, Extent : Severe, Area Affected : 40%							
	Location : 2nd Floor Bunk Rooms							
	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							
	Other Observation, Extent : Severe, Area Affected : 10%							
	Location : 2nd Floor							
	Explanation : Brick Efflorescence Seeping Through Interior Plaster							
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 Struc: Concrete	35%	Now	\$113,700	LIFE	* *	5	\$500	
		Cracking/Crumbling, Extent : Severe, Area Affected : 40%							
		Location : Throughout							
		Exposed Reinforcement, Extent : Moderate, Area Affected : 10%							
		Location : Throughout Basement Ceiling							
		Other Observation, Extent : Severe, Area Affected : 100%							
		Location : Cellar, Below Apparatus Slab							
		Explanation : Structurally Insufficient							
	Metal Panel	10%	Now	\$2,400	LIFE	* *	5	\$1,100	
		Broken/Missing Elements, Extent : Light, Area Affected : 5%							
		Location : Kitchen And Bathrooms							
		Staining/Discoloring, Extent : Light, Area Affected : 5%							
		Location : Kitchen							
	Plaster	55%	Now	\$18,100	LIFE	* *	5	\$3,100	
		Cracking/Crumbling, Extent : Light, Area Affected : 20%							
		Location : 2nd Floor							
		Loose/Delam Surface, Extent : Moderate, Area Affected : 5%							
		Location : 2nd Floor Offices And Bunk Rooms							
		Water Penetration, Extent : Moderate, Area Affected : 5%							
		Location : 2nd Floor Offices							
Site Enclosure									
	Fence/Gates								
	Chain Link	100%	Now	\$30,800	2052	* *			
		Broken/Missing Elements, Extent : Severe, Area Affected : 80%							
		Location : North Gate Misaligned							
		Corrosion/Rusting, Extent : Severe, Area Affected : 50%							
		Location : North Side							
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%	Now	\$5,400	2045	* *			
		Sinking/Subsiding, Extent : Moderate, Area Affected : 15%							
		Location : Apron							
	On-Site Walkways								
	Cast in Place Concrete	100%			2045	* *			
	Parking/Driveway								
	Asphalt	100%	Now	\$93,200	2047	* *			
		Cracking/Crumbling, Extent : Severe, Area Affected : 60%							
		Location : Throughout Parking Area							
		Ponding, Extent : Moderate, Area Affected : 25%							
		Location : Driveway And Parking Lot							
		Potholes, Extent : Severe, Area Affected : 10%							
		Location : Throughout Parking Area							
		Sinking/Subsiding, Extent : Severe, Area Affected : 10%							
		Location : Throughout Parking 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**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									
	Service Equipment								
	Fused Disc Sw	100%			2032	\$14,700	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : One 200 Ampere Main Disconnect Switch							
	Switchgear / Switchboard								
	Molded Case Bkrs	100%			2032	\$63,500	5	\$200	
	Raceway								
	Conduit	100%			2032	\$36,000	1		
	Panelboards								
	Molded Case Bkrs	100%			2031	\$48,500	5	\$200	
	Wiring								
	Thermoplastic	100%			2032	\$32,500	1		
	Motor Controllers								
	Locally Mounted	100%			2030	\$17,800	5		
Ground									
	Grounding Devices								
	Generic	100%	0-2	\$10,200	LIFE	* *	5	\$100	
		Corroded, Extent : Moderate, Area Affected : 100%							
		Location : Basement							
Lighting									
	Interior Lighting								
	Fluorescent	50%			2032	\$26,000	10	\$2,800	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : 1st Floor, Basement							
	Fluorescent	25%			2027	\$13,000	10	\$1,400	
		T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Basement, 2nd Floor							
	Incandescent	5%			2027	\$3,700	2		
	LED	20%			2040	* *			
	Exterior Lighting								
	HID	10%			2027	\$2,800	10		
	LED	10%			2040	* *			
	No Component	80%							

Mechanical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Energy Source								
	Natural Gas	100%			2042	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2045	* *	1	\$6,100	
		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.

Maintenance \$ are aggregated over a ten-year period. Site specific 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
Heating									
	Distribution								
	Steam Piping/Pump	100%	Now	\$2,400	2042	**			
				Leak Evident, Extent : Moderate, Area Affected : 100%					
				Location : Basement, Condensate Return Piping At Boiler					
	Terminal Devices								
	Convactor/Radiator	100%			2030	\$48,900	1	\$2,000	
				On Extended Life, Extent : Light, Area Affected : 10%					
				Location : Throughout					
Air Conditioning									
	Energy Source								
	Electricity	100%			2048	**	1		
	Conversion Equipment								
	Window/Wall Unit	40%	Now	\$900	2027	\$9,100	1		
				Malfunctioning, Extent : Severe, Area Affected : 20%					
				Location : Second Floor					
				Other Observation, Extent : N/A, Area Affected : 20%					
				Location : Second Floor					
				Explanation : Two Units On Second Floor Are Malfunctioning.					
	No Component	60%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	20%			LIFE	**	2-5	\$700	
	No Component	80%							
	Exhaust Fans								
	Roof	20%			2037	**	2		
	Wall Unit	20%			2032	\$500	2		
	No Component	60%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2042	**	1		
	Water Heater With Tanks								
	Gas Fired	100%			2027	\$16,700	2		
				Other Observation, Extent : N/A, Area Affected : 100%					
				Location : Basement					
				Explanation : 2 Units					
	Sanitary Piping								
	Cast Iron	100%	Now	\$3,800	LIFE	**	1		
				Leak Evident, Extent : Severe, Area Affected : 10%					
				Location : Basement					
	Storm Drain Piping								
	Cast Iron	100%	Now	\$1,100	LIFE	**	1		
				Blockage /Clogged, Extent : Severe, Area Affected : 10%					
				Location : Parking Lot					
	Sump Pump(s)								
	Submersible	100%			2025	\$200	4	\$200	
	Fixtures								
	Generic	100%							

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

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 314
Asset # : 13199

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Fire Suppression									
Chemical System									
	No Component	90%							
	Generic	10%			2027	\$1,600	1-3	\$7,400	
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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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 315/LADDER CO. 125
Address : 159-06 UNION TURNPIKE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.315 / 13200 **Yr Built/Renovated** : 1929 / 2012
Area Sq Ft : 5,948 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Oct-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 6854 **Lot** : 28 **BIN** : 4148377

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture		\$74,200
Total		\$74,200
Importance Code B		\$74,200
Total		\$74,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$13,700			
Interior Architecture	\$46,900	\$1,000	\$600	\$300
Electrical	\$16,300		\$100	\$5,400
Mechanical	\$29,400	\$12,000	\$11,900	\$65,600
Site Enclosure	\$5,900			
Site Pavements	\$18,200			
Total	\$130,400	\$13,100	\$12,500	\$71,300
Importance Code A	\$14,300	\$600	\$600	\$600
Importance Code B	\$84,300	\$12,500	\$11,400	\$70,700
Importance Code C	\$31,800		\$600	
Total	\$130,400	\$13,100	\$12,500	\$71,300



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. 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%			LIFE	**	5	\$8,100		
Masonry: Brick	85%			LIFE	**	5	\$17,700		
Masonry: Granite	5%			LIFE	**	5	\$800		
Wood Overhead Doors	5%	2-4	\$1,500	2038	**	5	\$2,600		
Worn/Eroded, Extent : Moderate, Area Affected : 100%									
Location : Front Elevation Apparatus Door									
Windows									
Aluminum	100%	Now	\$4,700	2041	**	5	\$1,000		
Water Penetration, Extent : Moderate, Area Affected : 5%									
Location : Basement Window									
Parapets									
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$2,100		
Masonry: Brick	90%	Now	\$5,900	LIFE	**	5	\$2,400		
Miss/Damaged Flashings, Extent : Light, Area Affected : 5%									
Location : Rear Parapet									
Roof									
Asphalt Shingle	10%			2042	**	10	\$100		
Modified Bitumen	90%	0-2	\$1,600	2041	**				
Blisters, Extent : Light, Area Affected : 5%									
Location : Roof									
Interior									
Floors									
Cast in Place Concrete	55%	2-4	\$8,400	LIFE	**	5	\$11,000		
Ponding, Extent : Light, Area Affected : 10%									
Location : Throughout Basement									
Ceramic Tile	5%			2036	**	5	\$500		
Quarry Tile	5%			2046	**	5	\$700		
Terrazzo	5%			LIFE	**	5	\$400		
Vinyl Tile	30%	4+	\$14,800	2033	\$74,200	3	\$1,000		
Worn/Eroded, Extent : Light, Area Affected : 15%									
Location : Throughout 2nd Floor									
Interior Walls									
Ceramic Tile	10%			2042	**	5	\$1,200		
Gypsum Board	7%			LIFE	**	5	\$500		
Masonry: Brick	20%			LIFE	**				
Marble Panels	3%			LIFE	**				
Plaster	30%	Now	\$16,900	LIFE	**	5	\$1,100		
Cracking/Crumbling, Extent : Severe, Area Affected : 20%									
Location : 2nd Floor Dormitory And Engine Office									
Paint Peeling, Extent : Severe, Area Affected : 10%									
Location : 2nd Floor Dormitory South Wall									
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. 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									
Ceilings									
	AcousTileSusp.Lay-In	10%			2046	* *	5	\$900	
	Exposed Struc: Concrete	10%	Now	\$6,700	LIFE	* *	5	\$100	
		Exposed Reinforcement, Extent : Moderate, Area Affected : 5%							
		Location : Basement Gymnasium							
		Water Penetration, Extent : Moderate, Area Affected : 2%							
		Location : Basement							
	Exposed Struc: Steel	20%			LIFE	* *			
	Gypsum Board	5%			LIFE	* *	5	\$600	
	Plaster	55%			LIFE	* *	5	\$3,200	
Site Enclosure									
Fence/Gates									
	Chain Link	100%	Now	\$1,600	2053	* *			
		Impact Damage, Extent : Moderate, Area Affected : 5%							
		Location : Gate							
Retaining Walls									
	Cast in Place Concrete	100%	2-4	\$4,300	2068	* *			
		Cracking/Crumbling, Extent : Light, Area Affected : 5%							
		Location : Rear Yard							
Site Pavements									
Public Sidewalk									
	Cast in Place Concrete	100%	4+	\$5,000	2046	* *			
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : Front Of Building At Union Turnpike							
On-Site Walkways									
	Cast in Place Concrete	100%			2038	* *			
Parking/Driveway									
	Cast in Place Concrete	100%	Now	\$13,300	2038	* *			
		Broken/Missing Elements, Extent : Moderate, Area Affected : 5%							
		Location : Driveway							
		Cracking/Crumbling, Extent : Moderate, Area Affected : 20%							
		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									
Fused Disc Sw	100%			2033	\$14,700	5			
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : One 400 Ampere Main Disconnect Switch									
Raceway									
Conduit	95%			2033	\$34,200	1			
Conduit	5%			2043	* *	1			

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

FIRE DEPARTMENT - 057
ENGINE CO. 315/LADDER CO. 125
Asset # : 13200

Electrical		Current Repair			Future Replacement		Maintenance		
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%			2032	\$2,400	5		
	Molded Case Bkrs	95%			2032	\$46,000	5	\$100	
Wiring									
	Braided Cloth	50%	2-4	\$16,300	2058	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%									
Location : Throughout The Building									
	Thermoplastic	40%			2033	\$13,000	1		
	Thermoplastic	10%			2043	* *	1		
Motor Controllers									
	Locally Mounted	100%			2031	\$17,800	5		
Ground									
Grounding Devices									
	Generic	100%			LIFE	* *	5	\$100	
Lighting									
Interior Lighting									
	Fluorescent	98%			2038	* *	10	\$5,300	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement And 1st Floor									
Explanation : T-8 Lamps									
	LED	2%			2041	* *			
Exterior Lighting									
	LED	20%			2041	* *			
	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%			2043	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2038	* *	1	\$5,900	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : One Unit							
	Distribution								
	Steam Piping/Pump	100%			2043	* *			
	Terminal Devices								
	Convactor/Radiator	100%			2046	* *	1	\$1,900	
Air Conditioning									
	Energy Source								
	Electricity	100%			2041	* *	1		
	Conversion Equipment								
	Window/Wall Unit	50%			2031	\$11,000	1		
	No Component	50%							

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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
Ventilation									
Distribution									
	Ductwork/Diffusers	20%			LIFE	* *	2-5	\$700	
	No Component	80%							
Exhaust Fans									
	Roof	20%			2033	\$2,300	2		
	Wall Unit	25%			2028	\$600	2		
	No Component	55%							
Plumbing									
H/C Water Piping									
	Brass/Copper	100%			2043	* *	1		
Water Heater With Tanks									
	Gas Fired	50%			2028	\$8,300	2		
	Gas Fired	50%			2031	\$8,300	2		
Sanitary Piping									
	Cast Iron	100%	0-2	\$3,700	LIFE	* *	1		
Blockage /Clogged, Extent : Moderate, Area Affected : 10%									
Location : Basement									
Storm Drain Piping									
	Cast Iron	100%	0-2	\$1,000	LIFE	* *	1		
Leak Evident, Extent : Moderate, Area Affected : 5%									
Location : Gymnasium, Basement									
Sump Pump(s)									
	Submersible	100%			2026	\$200	4	\$200	
Fixtures									
	Generic	100%							
Fire Suppression									
Chemical System									
	Generic	100%			2028	\$31,900	1-3	\$161,800	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Kitchen, Covers 40 Square Feet.									
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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 316
Address : 27-12 KEARNEY STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.316 / 13201 **Yr Built/Renovated** : 1929 / 2009
Area Sq Ft : 6,128 **Project Type** : FIRE DEPARTMENT
Date of Survey : 26-Jan-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1658 **Lot** : 5 **BIN** : 4041276

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$126,300	\$121,200
Electrical		\$63,500
Total	\$126,300	\$184,700
Importance Code B	\$126,300	\$184,700
Total	\$126,300	\$184,700

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$62,900	\$900		\$9,300
Interior Architecture	\$39,600	\$600	\$400	\$600
Electrical	\$10,600	\$400	\$3,000	\$1,700
Mechanical	\$1,500	\$9,900	\$900	\$35,500
Site Pavements	\$4,100			
Total	\$118,700	\$11,900	\$4,300	\$47,000
Importance Code A	\$63,500	\$1,500	\$600	\$9,900
Importance Code B	\$30,900	\$9,700	\$3,700	\$37,100
Importance Code C	\$24,200	\$600		
Total	\$118,700	\$11,900	\$4,300	\$47,000



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. 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	
		Vegetation Growth, Extent : Moderate, Area Affected : 20%							
		Location : South Facade							
	Masonry: Limestone	10%			LIFE	* *	5	\$1,900	
	Wood Overhead Doors	15%			2038	* *	5	\$18,600	
Windows									
	Aluminum	100%			2041	* *	5	\$1,800	
Parapets									
	Cast Stone/Terra Cotta	5%			LIFE	* *	5	\$800	
	Masonry: Brick	90%	4+	\$44,700	LIFE	* *	5	\$1,800	
		Paint Peeling, Extent : Light, Area Affected : 5%							
		Location : Throughout							
		Painted Surfaces, Extent : Moderate, Area Affected : 50%							
		Location : Interior Parapet							
	Pre-Cast Concrete	5%			LIFE	* *	5	\$600	
Roof									
	Modified Bitumen	100%	Now	\$18,200	2038	* *			
		Blisters, Extent : Moderate, Area Affected : 10%							
		Location : Center Of Roof							
		Seams Open/Split, Extent : Severe, Area Affected : 5%							
		Location : Center Of Roof							
Interior									
Floors									
	Cast in Place Concrete	35%	4+	\$13,100	LIFE	* *	5	\$6,900	
		Cracking/Crumbling, Extent : Light, Area Affected : 10%							
		Location : Basement							
	Ceramic Tile	10%			2042	* *	5	\$900	
	Granite Panels	5%			LIFE	* *	5	\$300	
	Vinyl Tile	50%	Now	\$60,600	2033	\$121,200	3	\$1,700	
		Broken/Missing Elements, Extent : Severe, Area Affected : 20%							
		Location : Throughout 2nd Floor							
		Cracking/Crumbling, Extent : Moderate, 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.
Maintenance \$ are aggregated over a ten-year period. Site specific 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									
Interior Walls									
	Ceramic Tile	10%			2036	* *	5	\$1,200	
	Gypsum Board	15%			LIFE	* *	5	\$1,100	
	Masonry: Brick	15%	0-2	\$17,200	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 10%									
Location : Basement									
	Plaster	5%	Now	\$2,900	LIFE	* *	5	\$200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%									
Location : 2nd Floor Offices									
Paint Peeling, Extent : Moderate, Area Affected : 20%									
Location : 2nd Floor Offices									
Water Penetration, Extent : Moderate, Area Affected : 20%									
Location : 2nd Floor Offices									
	Plaster	25%			LIFE	* *	5	\$900	
	SGFT/Glazed Masonry	30%			LIFE	* *			
Ceilings									
	Exposed Struc: Concrete	25%	Now	\$65,700	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%	Now	\$3,700	LIFE	* *	5	\$3,900	
Loose/Delam Surface, Extent : Severe, Area Affected : 5%									
Location : Garage									
	Plaster	5%	Now	\$2,700	LIFE	* *	5	\$300	
Water Penetration, Extent : Severe, Area Affected : 25%									
Location : 2nd Floor Office									
Site Enclosure									
Fence/Gates									
	Chain Link	30%			2053	* *			
	Chain Link	70%			2043	* *			
Site Pavements									
Public Sidewalk									
	Cast in Place Concrete	100%			2046	* *			
On-Site Walkways									
	Cast in Place Concrete	100%			2038	* *			
Parking/Driveway									
	Cast in Place Concrete	60%			2046	* *			
	Cast in Place Concrete	40%	2-4	\$4,100	2038	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%									
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. 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
Under 600 Volts									
	Service Equipment								
	Fused Disc Sw	100%			2033	\$14,700	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Main Service Disconnect Switch Rated At 200 Amperes.							
	Switchgear / Switchboard								
	Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
	Raceway								
	Conduit	30%			2053	* *	1		
	Conduit	70%			2033	\$25,200	1		
	Panelboards								
	Molded Case Bkrs	50%			2032	\$24,200	5	\$100	
	Molded Case Bkrs	50%			2049	* *	5	\$100	
	Wiring								
	Thermoplastic	75%			2033	\$24,400	1		
	Thermoplastic	25%			2053	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2031	\$17,800	5		
Ground									
	Grounding Devices								
	Generic	100%	2-4	\$10,200	LIFE	* *	5	\$100	
		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 : N/A, Area Affected : 100%							
		Location : Side Yard							
		Explanation : Emergency Generator Rated At 60 Kilowatts							
	Batteries								
	Lead/Acid	100%			2027	\$2,400	5	\$200	
	Fuel Storage								
	Main Tank	100%			2061	* *	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Side Yard							
		Explanation : 125 Gallon 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. 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	

Lighting

Interior Lighting

Fluorescent

1%

2028

\$500

10

\$100

*T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : Basement*

Fluorescent

1%

2028

\$500

10

\$100

*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : Basement*

LED

98%

2038

* *

Egress Lighting

Emergency, Service

90%

2038

* *

1

Emergency, Battery

10%

2033

\$1,000

10

\$100

Exterior Lighting

HID

1%

2033

\$300

10

LED

19%

2038

* *

No Component

80%

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

Heating

Energy Source

Natural Gas

100%

2053

* *

1

Conversion Equipment

Steam Boiler

100%

2046

* *

1

\$6,100

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : 1 Unit*

Distribution

Steam Piping/Pump

100%

2043

* *

Terminal Devices

Convactor/Radiator

100%

2046

* *

1

\$2,000

Controls

Electrical

100%

2031

\$33,300

Air Conditioning

Energy Source

Electricity

100%

2049

* *

1

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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*** 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
Air Conditioning									
	Conversion Equipment								
	Split Unit	10%			2033	\$14,200			
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Kitchen							
		Explanation : 1 Unit. R-134 Refrigerant							
	Split Unit	10%			2038	* *			
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : 2nd Floor							
		Explanation : 1 Unit. R-410a Refrigerant							
	Window/Wall Unit	40%			2026	\$9,100	1		
	No Component	40%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	10%			LIFE	* *	2-5	\$300	
	No Component	90%							
	Exhaust Fans								
	Roof	10%			2028	\$1,200	2		
	Wall Unit	20%	0-2	\$500	2043	* *	2		
		Malfunctioning, Extent : Moderate, Area Affected : 100%							
		Location : Apparatus Floor							
	No Component	70%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2043	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2028	\$33,400	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 2 Units, 75 Gallons Each. Quantity 2.							
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%	0-2	\$200	2028	\$200	4	\$100	
		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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 317 / LADDER CO. 165
Address : 117-11 196th STREET @ LINDEN BLVD.
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.317 / 13202 **Yr Built/Renovated** : 1929 / 2011
Area Sq Ft : 6,128 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 12617 **Lot** : 40 **BIN** : 4271743

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$237,300	
Electrical		\$52,000
Total	\$237,300	\$52,000
Importance Code A	\$237,300	
Importance Code B		\$52,000
Total	\$237,300	\$52,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$70,800			
Interior Architecture	\$71,300		\$1,100	\$300
Electrical	\$3,100	\$500	\$700	\$500
Mechanical	\$33,900	\$6,500	\$34,400	\$13,000
Site Enclosure	\$41,400			
Site Pavements	\$3,400			
Total	\$223,900	\$7,000	\$36,100	\$13,700
Importance Code A	\$71,400	\$600	\$700	\$600
Importance Code B	\$82,400	\$6,400	\$34,900	\$13,100
Importance Code C	\$70,100		\$600	
Total	\$223,900	\$7,000	\$36,100	\$13,700



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. 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%	0-2	\$147,000	LIFE	* *	5	\$18,300	
		Efflorescence, Extent : Light, Area Affected : 10%							
		Location : Side Facade							
		Paint Peeling, Extent : Moderate, Area Affected : 30%							
		Location : Rear And Side Facades							
	Masonry: Granite	2%			LIFE	* *	5	\$300	
	Masonry: Limestone	5%	0-2	\$16,000	LIFE	* *	5	\$800	
		Staining/Discoloring, Extent : Moderate, Area Affected : 10%							
		Location : Front Facade							
	Wood Overhead Doors	5%			2045	* *	5	\$5,200	
Windows									
	Aluminum	100%	Now	\$28,000	2048	* *	5	\$1,000	1
		Air Infiltration, Extent : Moderate, Area Affected : 30%							
		Location : Second Floor Throughout							
		Broken/Missing Elements, Extent : Severe, Area Affected : 50%							
		Location : Throughout							
Parapets									
	Cast Stone/Terra Cotta	10%	0-2	\$9,500	LIFE	* *	5	\$2,100	
		Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%							
		Location : Parapet Copings							
	Masonry: Brick	90%	0-2	\$14,800	LIFE	* *	5	\$2,400	
		Efflorescence, Extent : Light, Area Affected : 10%							
		Location : East Wall							
		Miss/Damaged Flashings, Extent : Severe, Area Affected : 5%							
		Location : Roof							
		Caulking Deteriorated, Extent : Moderate, Area Affected : 10%							
		Location : Parapet Walls							
Roof									
	Modified Bitumen	100%	0-2	\$90,400	2042	* *			
		Blisters, Extent : Moderate, Area Affected : 30%							
		Location : Various Areas At Roof							
		Deteriorated Finish, Extent : Moderate, Area Affected : 70%							
		Location : 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. 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									
Floors									
	Cast in Place Concrete	25%	0-2	\$3,800	LIFE	**	5	\$5,000	
	Cracking/Crumbling, Extent : Light, Area Affected : 10%								
	Location : Apparatus Floor								
	Cast in Place Concrete	25%	Now	\$9,500	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%			2047	**	5	\$900	
	Ceramic Tile	5%	Now	\$10,100	2047	**	5	\$200	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
	Location : Kitchen								
	Drains Clogged, Extent : Severe, Area Affected : 60%								
	Location : Kitchen Floor								
	Terrazzo	5%			LIFE	**	5	\$400	
	Vinyl Tile	25%	Now	\$18,600	2042	**	3	\$900	
	Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
	Location : Throughout, 2nd Floor								
	Loose Units, Extent : Moderate, Area Affected : 20%								
	Location : 2nd Floor Locker Room And Common Area								
	Worn/Eroded, Extent : Moderate, Area Affected : 60%								
	Location : 2nd Floor								
	Wood	5%			2060	**	5	\$900	
Interior Walls									
	Cast in Place Concrete	10%	Now	\$26,500	LIFE	**			
	Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
	Location : Front Basement Wall								
	Water Penetration, Extent : Light, Area Affected : 10%								
	Location : Throughout								
	Ceramic Tile	10%			2047	**	5	\$1,200	
	Masonry: Brick	10%			LIFE	**			
	Plaster	40%	Now	\$2,300	LIFE	**	5	\$1,400	
	Cracking/Crumbling, Extent : Light, Area Affected : 10%								
	Location : Throughout								
	Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 20%								
	Location : Kitchen Area And Side Exit Door Opening								
	SGFT/Glazed Masonry	30%			LIFE	**			
Ceilings									
	AcousTileSusp.Lay-In	5%	Now	\$100	2045	**	5	\$200	
	Broken/Missing Elements, Extent : Light, Area Affected : 5%								
	Location : Kitchen Ceiling								
	Exposed Struc: Concrete	70%			LIFE	**	5	\$1,000	
	Gypsum Board	2%			LIFE	**	5	\$200	
	Plaster	23%			LIFE	**	5	\$1,300	

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. 317 / LADDER CO. 165
Asset # : 13202

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

Site Enclosure

Fence/Gates

Chain Link

100% Now \$41,400 2062 * *

Broken/Missing Elements, Extent : Severe, Area Affected : 90%
Location : Side Yard And Rear Yard
Corrosion/Rusting, Extent : Severe, Area Affected : 100%
Location : Throughout

Site Pavements

Public Sidewalk

Cast in Place Concrete

100% 0-2 \$3,400 2045 * *

Cracking/Crumbling, Extent : Moderate, Area Affected : 10%
Location : Front Of Firehouse

On-Site Walkways

Cast in Place Concrete

100% 2037 * *

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

Under 600 Volts

Service Equipment

Molded Case Bkrs

100% 2042 * * 5 \$200

Other Observation, Extent : Light, Area Affected : 100%
Location : Electrical Room Basement
Explanation : One 200 Ampere Main Disconnect Switch

Switchgear / Switchboard

Molded Case Bkrs

100% 2042 * * 5 \$200

Raceway

Conduit

100% 2042 * * 1

Panelboards

Fused Disc Sw

5% 2040 * * 5

Molded Case Bkrs

95% 2040 * * 5 \$200

Wiring

Thermoplastic

100% 2042 * * 1

Motor Controllers

Locally Mounted

100% 2037 * * 5

Ground

Grounding Devices

Generic

100% LIFE * * 5 \$100

Stand-by Power

Transfer Switches

Automatic

100% 2037 * * 1 \$1,900

Generators

Diesel

100% 2041 * * 1 \$2,400

Other Observation, Extent : Light, Area Affected : 100%
Location : Outside
Explanation : One 80 Kilowatts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
ENGINE CO. 317 / LADDER CO. 165
Asset # : 13202

Electrical		Current Repair		Future Replacement		Maintenance			
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	\$2,400	5	\$200	
Fuel Storage									
	Day Tank	50%			2040	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Outside									
Explanation : One 60 Gallons									
	Main Tank	50%			2047	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : One 550 Gallons									
Lighting									
Interior Lighting									
	Fluorescent	90%			2032	\$46,800	10	\$5,100	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%									
Location : Throughout The Building									
	Fluorescent	10%			2032	\$5,200	10	\$600	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%									
Location : Kitchen And Offices									
Egress Lighting									
	Emergency, Service	50%			2032	\$1,800	1		
	No Component	50%							
Exterior Lighting									
	HID	20%			2032	\$5,600	10		
	No Component	80%							
Alarm									
Security System									
	No Component	80%							
	Generic	20%			2032	\$2,200	1	\$500	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Front And Driveway									
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%			2052	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2037	* *	1	\$6,100	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : One Unit							
	Distribution								
	Steam Piping/Pump	100%			2032	\$47,900			

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

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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									
	Terminal Devices								
	Convactor/Radiator	100%			2030	\$48,900	1	\$2,000	
		On Extended Life, Extent : Light, Area Affected : 100%							
		Location : Throughout							
Air Conditioning									
	Energy Source								
	Electricity	100%			2040	* *	1		
	Conversion Equipment								
	Split Unit	20%			2032	\$28,400			
		R-22 Refrigerant, Extent : Light, Area Affected : 20%							
		Location : Roof							
	Window/Wall Unit	50%	Now	\$600	2027	\$11,300	1		
		Broken, Extent : Severe, Area Affected : 15%							
		Location : Second Floor							
	No Component	30%							
	Terminal Devices								
	Air Handler/Dir	20%			2032	\$16,100	1		
	Expansion								
	No Component	80%							
	Heat Rejection								
	Air Cooled Condenser	20%			2032	\$2,400	2	\$900	
	Unit								
	No Component	80%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	20%			LIFE	* *	2-5	\$700	
	No Component	80%							
	Exhaust Fans								
	Interior	20%			2032	\$5,300	2		
	Roof	25%			2032	\$2,900	2		
	Wall Unit	25%	Now	\$600	2042	* *	2		
		Broken, Extent : Severe, Area Affected : 10%							
		Location : Apparatus Room							
	No Component	30%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2052	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2027	\$16,700	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Two Units							
	Sanitary Piping								
	Cast Iron	100%	Now	\$3,800	LIFE	* *	1		
		Leak Evident, Extent : Severe, Area Affected : 10%							
		Location : Bathroom And Gymnasium							

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

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FIRE DEPARTMENT - 057
ENGINE CO. 317 / LADDER CO. 165
Asset # : 13202

Mechanical		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								
Generic	100%			2025	\$15,900	1-3	\$80,900	
Other Observation, Extent : Light, Area Affected : 10%								
Location : Kitchen								
Explanation : 1 Set. Kitchen Stove Not Working								

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

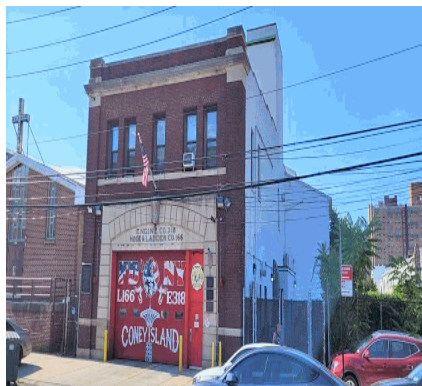
Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 318/LADDER CO. 166
Address : 2510 NEPTUNE AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.318 / 13203 **Yr Built/Renovated** : 1929 /
Area Sq Ft : 5,746 **Project Type** : FIRE DEPARTMENT
Date of Survey : 13-Jul-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 7013 **Lot** : 7 **BIN** : 3188880

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$416,700	
Interior Architecture	\$132,200	\$88,800
Total	\$548,900	\$88,800
Importance Code A	\$416,700	
Importance Code B	\$132,200	\$88,800
Total	\$548,900	\$88,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$110,900			
Interior Architecture	\$124,500	\$1,300		\$400
Electrical	\$100	\$100	\$100	\$200
Mechanical	\$10,600	\$42,800	\$9,100	\$55,300
Site Pavements	\$1,200			
Total	\$247,300	\$44,200	\$9,100	\$55,900
Importance Code A	\$111,400	\$500	\$500	\$600
Importance Code B	\$94,400	\$43,700	\$8,600	\$55,300
Importance Code C	\$41,400			
Total	\$247,300	\$44,200	\$9,100	\$55,900



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. 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%			2053	**	10	\$1,200	
	Cast in Place Concrete	10%	Now	\$77,000	LIFE	**	5	\$13,200	1
	Cracking/Crumbling, Extent : Severe, Area Affected : 25%								
	Location : Bulkhead And Rear Extension Foundation								
	Masonry: Brick	60%	Now	\$254,400	LIFE	**	5	\$15,800	
	Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
	Location : Hose Tower								
	Cracking/Crumbling, Extent : Light, Area Affected : 20%								
	Location : Throughout								
	Joint Mortar Miss/Erod, Extent : Light, Area Affected : 15%								
	Location : Throughout								
	Water Penetration, Extent : Moderate, Area Affected : 10%								
	Location : Hose Tower								
	Masonry: Granite	3%	Now	\$6,100	LIFE	**	5	\$600	
	Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%								
	Location : Throughout								
	Masonry: Limestone	5%	0-2	\$10,100	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								
	Metal Sect. OHD	7%			2050	**	5	\$5,800	
Windows									
	Aluminum	100%	Now	\$4,400	2041	**	5	\$900	
	Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%								
	Location : Throughout								
Parapets									
	Cast Stone/Terra Cotta	10%	Now	\$21,900	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	\$22,800	LIFE	**	5	\$1,800	
	Cracking/Crumbling, Extent : Light, Area Affected : 25%								
	Location : Throughout								
	Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
	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. 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									
Roof									
	Asphalt Shingle	15%			2042	* *	10	\$200	
	Built-Up (BUR)	80%	Now	\$17,000	2028	\$85,200			
	Water Penetration, Extent : Moderate, Area Affected : 20%								
	Location : 2nd Floor Corridor, Hose Tower And Bunk Room								
	Skylight, Metal/Glass	5%	Now	\$25,600	2043	* *			1
	Broken/Missing Elements, Extent : Severe, Area Affected : 20%								
	Location : Throughout								
	Water Penetration, Extent : Moderate, Area Affected : 10%								
	Location : Throughout								
Interior									
Floors									
	Cast in Place Concrete	45%	Now	\$37,300	LIFE	* *	5	\$9,800	
	Cracking/Crumbling, Extent : Light, Area Affected : 10%								
	Location : Throughout								
	Ceramic Tile	5%	Now	\$1,400	2042	* *	5	\$200	
	Cracking/Crumbling, Extent : Light, Area Affected : 5%								
	Location : Throughout								
	Quarry Tile	5%			2046	* *	5	\$700	
	Terrazzo	2%			LIFE	* *	5	\$200	
	Vinyl Tile	33%	Now	\$44,400	2033	\$88,800	3	\$1,200	
	Broken/Missing Elements, Extent : Severe, Area Affected : 15%								
	Location : 2nd Floor								
	Worn/Eroded, Extent : Moderate, Area Affected : 20%								
	Location : 2nd Floor								
	Wood	10%			2061	* *	5	\$1,900	
Interior Walls									
	Cast in Place Concrete	20%	0-2	\$10,200	LIFE	* *			
	Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
	Location : Throughout								
	Ceramic Tile	5%	Now	\$700	2042	* *	5	\$300	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
	Location : Throughout								
	Gypsum Board	15%			LIFE	* *	5	\$1,200	
	Masonry: Brick	15%			LIFE	* *			
	Plaster	30%	Now	\$29,300	LIFE	* *	5	\$1,200	
	Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
	Location : Hose Tower, Bunk Room And Throughout								
	SGFT/Glazed Masonry	15%			LIFE	* *			

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. 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

Ceilings

Embossed Metal	10%			LIFE		**	5	\$400	
Exposed Struc: Concrete	25%	Now	\$72,900	LIFE		**	5	\$400	

Corrosion/Rusting, Extent : Moderate, Area Affected : 10%

Location : Basement Tank And Storage Room

Cracking/Crumbling, Extent : Moderate, Area Affected : 10%

Location : Basement Tank And Storage Room

Exposed Reinforcement, Extent : Moderate, Area Affected : 10%

Location : Basement Tank And Storage Room

Gypsum Board	15%	Now	\$1,300	LIFE		**	5	\$1,900	
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Water Penetration, Extent : Moderate, Area Affected : 5%

Location : 2nd Floor Bunk Extension

Plaster	50%	Now	\$59,200	LIFE		**	5	\$3,100	
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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 And Hose Tower

Site Enclosure

Fence/Gates

Chain Link	100%			2043		**			
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2050		**			
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On-Site Walkways

Cast in Place Concrete	100%	0-2	\$1,200	2046		**			
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Cracking/Crumbling, Extent : Light, Area Affected : 5%

Location : Throughout

Ponding, Extent : Moderate, Area Affected : 10%

Location : Side Alley

Parking/Driveway

Cast in Place Concrete	100%			2046		**			
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Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2053		**	5		
Other Observation, Extent : N/A, Area Affected : 100%									
Location : 1st Floor									
Explanation : Main Service Disconnect Switch Rated At 200 Amperes.									

Switchgear / Switchboard

Molded Case Bkrs	100%			2053		**	5	\$200	
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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. 318/LADDER CO. 166
Asset # : 13203

Electrical		Current Repair		Future 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%			2053	* *	1		
	Conduit	10%			2033	\$3,600	1		
Panelboards									
	Molded Case Bkrs	90%			2049	* *	5	\$100	
	Molded Case Bkrs	10%			2032	\$4,800	5		
Wiring									
	Thermoplastic	90%			2053	* *	1		
	Thermoplastic	10%			2033	\$3,300	1		
Motor Controllers									
	Locally Mounted	100%			2031	\$17,800	5		
Ground									
	Grounding Devices								
	Not Accessible	100%							
Lighting									
	Interior Lighting								
	LED	100%			2041	* *			
	Exterior Lighting								
	LED	30%			2041	* *			
	No Component	70%							
Alarm									
	Security System								
	No Component	70%							
	Generic	30%			2038	* *	1	\$600	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Apparatus Floor And 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%			2053	* *	1		
	Conversion Equipment								
	Hot Water Boiler	10%			2046	* *	1	\$300	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Unit, Serving Rear Lounge Area On 1st Floor							
	Steam Boiler	90%			2046	* *	1	\$5,100	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Unit							
Distribution									
	Hot Wtr Piping/Pump	10%			2049	* *	4		
	Steam Piping/Pump	90%			2043	* *			

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FIRE DEPARTMENT - 057
ENGINE CO. 318/LADDER CO. 166
Asset # : 13203

Mechanical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Terminal Devices								
	Convactor/Radiator	100%			2038	**	1	\$1,900	
Air Conditioning									
	Energy Source								
	Electricity	100%			2041	**	1		
	Conversion Equipment								
	Window/Wall Unit	60%			2028	\$12,800	1		
	No Component	40%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	20%			LIFE	**	2-5	\$600	
	No Component	80%							
	Exhaust Fans								
	Roof	20%	0-2	\$700	2033	\$2,200	2		
		Not in Service, Extent : Moderate, Area Affected : 100%							
		Location : Roof							
	Wall Unit	10%			2028	\$200	2		
	No Component	70%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2043	**	1		
	Water Heater With Tanks								
	Gas Fired	100%			2028	\$33,400	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon Units							
	Sanitary Piping								
	Cast Iron	100%			LIFE	**	1		
	Storm Drain Piping								
	Cast Iron	100%	Now	\$1,000	LIFE	**	1		
		Damaged, Extent : Moderate, Area Affected : 10%							
		Location : The Gutter Inside Basement Causes Flooding When It Rains.							
	Sump Pump(s)								
	Submersible	100%			2026	\$200	4	\$200	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2026	\$23,900	1-3	\$111,600	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Covers 30 Square Feet In 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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 319
Address : 78-11 67th ROAD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.319 / 13204 **Yr Built/Renovated** : 1930 /
Area Sq Ft : 6,576 **Project Type** : FIRE DEPARTMENT
Date of Survey : 24-Mar-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3776 **Lot** : 56 **BIN** : 4091550

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$162,000	
Electrical		\$52,400
Total	\$162,000	\$52,400
Importance Code B	\$162,000	\$52,400
Total	\$162,000	\$52,400

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$70,500		\$9,200	
Interior Architecture	\$52,700		\$700	\$400
Electrical	\$100		\$3,900	
Mechanical	\$9,600	\$900	\$32,300	\$900
Site Enclosure	\$3,500			
Total	\$136,400	\$900	\$46,100	\$1,300
Importance Code A	\$71,100	\$700	\$9,800	\$700
Importance Code B	\$42,400	\$200	\$36,300	\$600
Importance Code C	\$22,900			
Total	\$136,400	\$900	\$46,100	\$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. 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+	\$36,500	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 : East And West Facade								
	Explanation : Brushed On Waterproofing Beginning To Peel								
	Masonry: Granite	1%			LIFE	* *	5	\$200	
	Masonry: Limestone	1%	Now	\$3,900	LIFE	* *	5	\$200	
	Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
	Location : Front Facade								
	Metal Sect. OHD	5%	Now	\$2,200	2049	* *	5	\$2,000	
	Other Observation, Extent : Moderate, Area Affected : 5%								
	Location : Overhead Door								
	Explanation : Door Not Closing All The Way								
Windows									
	Aluminum	100%	0-2	\$8,800	2048	* *	5	\$900	
	Corrosion/Rusting, Extent : Moderate, Area Affected : 5%								
	Location : Lintel At 2nd Floor 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%			2037	* *	10	\$9,200	
	Skylight, Metal/Glass	2%			2052	* *	10	\$600	

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. 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									
Floors									
	Cast in Place Concrete	55%	Now	\$54,000	LIFE	**	5	\$11,800	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
	Location : Apparatus Floor								
	Water Penetration, Extent : Moderate, Area Affected : 10%								
	Location : Basement								
	Other Observation, Extent : Severe, Area Affected : 75%								
	Location : Apparatus Floor								
	Explanation : Apparatus Floor Supported On Lally Columns In Basement								
	Ceramic Tile	10%			2035	**	5	\$1,000	
	Mosaic Tile	5%	Now	\$4,500	2045	**	5	\$600	
	Broken/Missing Elements, Extent : Severe, Area Affected : 20%								
	Location : Kitchen, Dining Area								
	Vinyl Tile	30%	2-4	\$23,900	2042	**	3	\$1,100	
	Worn/Eroded, Extent : Moderate, Area Affected : 100%								
	Location : 2nd Floor								
Interior Walls									
	Cast in Place Concrete	20%	Now	\$20,100	LIFE	**			
	Water Penetration, Extent : Severe, Area Affected : 10%								
	Location : Front And Side At Basement								
	Ceramic Tile	5%			2035	**	5	\$700	
	Gypsum Board	5%			LIFE	**	5	\$400	
	Masonry: Brick	20%			LIFE	**			
	Plaster	25%	Now	\$1,600	LIFE	**	5	\$1,000	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
	Location : Roof Hatch								
	SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings									
	AcousTileSusp.Lay-In	15%			2037	**	5	\$1,500	
	Exposed Struc: Concrete	30%	Now	\$108,000	LIFE	**	5	\$500	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : Basement								
	Exposed Reinforcement, Extent : Moderate, Area Affected : 2%								
	Location : Basement								
	Other Observation, Extent : Severe, Area Affected : 100%								
	Location : Basement Ceiling								
	Explanation : Lally Columns Installed To Support Apparatus Floor								
	Exposed Struc: Concrete	25%			LIFE	**	5	\$400	
	Plaster	30%	Now	\$1,800	LIFE	**	5	\$1,800	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
	Location : Roof Hatch								
	Water Penetration, Extent : Severe, Area Affected : 5%								
	Location : 2nd Floor Bunkroom, Lounge And Roof Hatch								

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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

Site Enclosure

Fence/Gates

Chain Link

100% Now \$800 2032 \$41,500

*Broken/Missing Elements, Extent : Moderate, Area Affected : 5%**Location : Gate**Corrosion/Rusting, Extent : Light, Area Affected : 75%**Location : Throughout*

Retaining Walls

Cast in Place Concrete

100% Now \$2,700 2052 * *

*Cracking/Crumbling, Extent : Moderate, Area Affected : 10%**Location : Rear Yard And Driveway*

Site Pavements

Public Sidewalk

Cast in Place Concrete

100% 2045 * *

On-Site Walkways

Cast in Place Concrete

100% 2045 * *

Parking/Driveway

Cast in Place Concrete

100% 2045 * *

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

Under 600 Volts

Service Equipment

Fused Disc Sw

100% 2042 * * 5

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : Main Service Disconnect Switch Rated At 200 Amperes.*

Switchgear / Switchboard

Molded Case Bkrs

100% 2042 * * 5 \$200

Raceway

Conduit

100% 2042 * * 1

Panelboards

Molded Case Bkrs

100% 2040 * * 5 \$200

Wiring

Thermoplastic

100% 2042 * * 1

Ground

Grounding Devices

Generic

100% LIFE * * 5 \$100

Lighting

Interior Lighting

Fluorescent

94% 2032 \$52,400 10 \$5,700

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Throughout The Building**Explanation : T-8 Lamps*

Incandescent

1% 2027 \$800 2

LED

5% 2040 * *

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FIRE DEPARTMENT - 057**ENGINE CO. 319****Asset # : 13204**

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

Lighting

Exterior Lighting

HID	10%		2027	\$3,000	10				
LED	10%		2040	* *					
No Component	80%								

Alarm

Security System

No Component	90%								
Generic	10%		2032	\$1,200	1			\$300	

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Front Of The Building**Explanation : CCTV Surveillance Cameras*

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

Heating

Energy Source

Natural Gas	100%			2052	* *	1			
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Conversion Equipment

Steam Boiler	100%			2045	* *	1		\$6,500	
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : 1 Unit*

Distribution

Steam Piping/Pump	100%			2042	* *				
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Terminal Devices

Convactor/Radiator	100%	0-2	\$1,100	2037	* *	1		\$1,900	
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*Leak Evident, Extent : Moderate, Area Affected : 5%**Location : Front Of Apparatus Floor*

Air Conditioning

Energy Source

Electricity	100%			2040	* *	1			
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Conversion Equipment

Window/Wall Unit	60%	0-2	\$2,900	2027	\$14,600	1			
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*Not Energy Efficient, Extent : Moderate, Area Affected : 50%**Location : Various Locations*

No Component	40%								
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Ventilation

Distribution

Ductwork/Diffusers	20%			LIFE	* *	2-5		\$700	
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No Component	80%								
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FIRE DEPARTMENT - 057
ENGINE CO. 319
Asset # : 13204

Mechanical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
Exhaust Fans								
Roof	20%	0-2	\$700	2032	\$2,500	2		
	Not in Service, Extent : Moderate, Area Affected : 100%							
	Location : Roof							
Wall Unit	25%	0-2	\$300	2032	\$700	2		
	Other Observation, Extent : Moderate, Area Affected : 50%							
	Location : Apparatus Floor							
	Explanation : 1 Unit Is On Extended Life Time And Inefficient.							
No Component	55%							
	Other Observation, Extent : N/A, Area Affected : 0%							
	Location : Kitchen							
	Explanation : There Is No Exhaust For Stove							
Plumbing								
H/C Water Piping								
Brass/Copper	100%	0-2	\$1,700	2042	* *	1		
	Not Insulated, Extent : Moderate, Area Affected : 15%							
	Location : Basement							
Water Heater With Tanks								
Gas Fired	100%	0-2	\$300	2027	\$16,700	2		
	Other Observation, Extent : Moderate, Area Affected : 100%							
	Location : Basement							
	Explanation : 2 Units That Are 80 Gallons. 1 Unit Is Not In Service.							
Sanitary Piping								
Cast Iron	100%	0-2	\$1,600	LIFE	* *	1		
	Blockage /Clogged, Extent : Moderate, Area Affected : 5%							
	Location : Outside Parking Area.							
Storm Drain Piping								
Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)								
Submersible	100%			2025	\$200	4	\$200	
Fixtures								
Generic	100%							
	Leaking Faucets/Valves/Heads, Extent : Moderate, Area Affected : 10%							
	Location : 1st Floor Restroom And 2nd Floor Office Restroom Toilets							

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 320/LADDER CO. 167
Address : 36-18 FRANCIS LEWIS BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.320 / 13205 **Yr Built/Renovated** : 1931 / 2012
Area Sq Ft : 4,930 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Apr-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5319 **Lot** : 8 **BIN** : 4120143

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$51,000	
Electrical		\$63,500
Mechanical	\$373,300	
Total	\$424,300	\$63,500
Importance Code A	\$51,000	
Importance Code B	\$373,300	\$63,500
Total	\$424,300	\$63,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture		\$1,600		\$6,300
Interior Architecture	\$11,100	\$700		\$700
Electrical	\$10,200			\$1,100
Mechanical	\$23,200	\$6,200	\$5,900	\$28,400
Total	\$44,500	\$8,500	\$5,900	\$36,500
Importance Code A	\$200	\$1,900	\$200	\$6,500
Importance Code B	\$41,900	\$6,700	\$5,700	\$30,000
Importance Code C	\$2,300			
Total	\$44,500	\$8,500	\$5,900	\$36,500



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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. 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	5%			2043	**	10	\$300	
	Alum/Vinyl Siding	5%			2053	**	10	\$300	
	Masonry: Brick	70%	Now	\$51,000	LIFE	**	5	\$12,700	
	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%			2046	**	5	\$2,800	
Windows									
	Aluminum	95%			2049	**	5	\$400	
	Metal Louvers	5%			2042	**	10	\$100	
Parapets									
	Masonry: Brick	75%			LIFE	**	5	\$1,100	
	Painted Surfaces, Extent : Moderate, Area Affected : 50%								
	Location : Throughout								
	Masonry: Limestone	20%			LIFE	**	5	\$400	
	Pre-Cast Concrete	5%			LIFE	**	5	\$500	
Roof									
	Asphalt Shingle	15%			2036	**	10	\$200	
	Metal, Corrugated	5%			2046	**	1		
	Modified Bitumen	80%			2038	**	10	\$6,300	
Interior									
Floors									
	Cast in Place Concrete	55%			LIFE	**	5	\$10,000	
	Ceramic Tile	10%			2046	**	5	\$800	
	Quarry Tile	5%			2038	**	5	\$600	
	Vinyl Tile	30%			2038	**	3	\$900	
Interior Walls									
	Cast in Place Concrete	10%	Now	\$1,600	LIFE	**			
	Water Penetration, Extent : Severe, Area Affected : 5%								
	Location : Around Basement Dampers								
	Ceramic Tile	15%			2029	\$34,700	5	\$600	
	Gypsum Board	15%			LIFE	**	5	\$400	
	Plaster	35%	Now	\$700	LIFE	**	5	\$500	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : Roof Scuttle								
	SGFT/Glazed Masonry	25%			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. 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

Interior

Ceilings

AcousTileSusp.Lay-In	10%			2038	**	5	\$800	
Exposed Struc: Concrete	30%	Now	\$7,300	LIFE	**	5	\$400	

Exposed Reinforcement, Extent : Moderate, Area Affected : 5%

Location : Apparatus Floor Ceiling

Exposed Struc: Steel	30%			LIFE	**			
Plaster	30%	Now	\$1,500	LIFE	**	5	\$1,600	

Cracking/Crumbling, Extent : Moderate, Area Affected : 5%

Location : Roof Scuttle

Site Enclosure

Fence/Gates

Chain Link	100%			2053	**			
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Site Pavements

Public Sidewalk

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

Cast in Place Concrete	100%			2046	**			
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Electrical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2033		\$14,700	5	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : Main Service Disconnect Switch Rated At 200 Amperes.

Switchgear / Switchboard

Fused Disc Sw	100%			2033		\$63,500	5	
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Raceway

Conduit	100%			2053	**	1		
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Panelboards

Molded Case Bkrs	100%			2049	**	5	\$100	
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Wiring

Thermoplastic	100%			2053	**	1		
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Motor Controllers

Locally Mounted	100%			2046	**	5		
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Ground

Grounding Devices

Generic	100%	2-4	\$10,200	LIFE	**	5	\$100	
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Basement

Explanation : Corroded

Lighting

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

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FIRE DEPARTMENT - 057
ENGINE CO. 320/LADDER CO. 167
Asset # : 13205

Electrical		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%

2038

* *

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Throughout The Building**Explanation : LED Lights*

Egress Lighting

Emergency, Battery

50%

2038

* *

10

\$600

Exit, LED

50%

2061

* *

1

Exterior Lighting

Incandescent

2%

2028

\$500

2

LED

18%

2038

* *

No Component

80%

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

Heating

Energy Source

Natural Gas

100%

2053

* *

1

Conversion Equipment

Hot Water Boiler

100%

2046

* *

1

\$2,400

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : 1 Unit*

Distribution

Hot Wtr Piping/Pump

100%

2049

* *

4

\$400

Terminal Devices

Convactor/Radiator

80%

2046

* *

1

\$1,300

Unit Heater - Steam

20%

2033

\$5,500

4

\$100

Air Conditioning

Energy Source

Electricity

100%

2049

* *

1

Conversion Equipment

Split Unit

10%

0-2

\$1,100

2038

* *

*Controller Not Working, Extent : Moderate, Area Affected : 10%**Location : Kitchen*

Window/Wall Unit

50%

2031

\$9,100

1

No Component

40%

Terminal Devices

Fan Coil - 2 Pipe

10%

0-2

\$900

2038

* *

1

\$100

*Broken, Extent : Moderate, Area Affected : 50%**Location : House Watch*

No Component

90%

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

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FIRE DEPARTMENT - 057
ENGINE CO. 320/LADDER CO. 167
Asset # : 13205

Mechanical		Current Repair		Future Replacement		Maintenance			
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	10%			2038	* *	2	\$300	
	No Component	90%							
Ventilation									
Distribution									
	Ductwork/Diffusers	15%			LIFE	* *	2-5	\$400	
	No Component	85%							
Exhaust Fans									
	Roof	15%			2033	\$1,400	2		
	Wall Unit	20%			2038	* *	2		
	No Component	65%							
Plumbing									
H/C Water Piping									
	Brass/Copper	100%			2053	* *	1		
Water Heater With Tanks									
	Gas Fired	60%			2031	\$30,000	2		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Explanation : One 75 Gallon Unit								
	Solar	40%	0-2	\$7,500	2028	\$373,300	1		
	Not in Service, Extent : Moderate, Area Affected : 100%								
	Location : Roof								
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Explanation : One 150 Gallon Storage Tank								
Sanitary Piping									
	Cast Iron	100%	0-2	\$1,200	LIFE	* *	1		
	Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
	Location : Basement								
Storm Drain Piping									
	Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)									
	Submersible	100%			2026	\$100	4	\$200	
Fixtures									
	Generic	100%							
Fire Suppression									
Chemical System									
	Generic	100%			2028	\$15,900	1-3	\$80,900	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Kitchen								
	Explanation : One Set Covers 20 Square Feet								

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 321
Address : 2165 GERRITSEN AVENUE @ AVENUE U
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.321 / 13206 **Yr Built/Renovated** : 1930 / 2011
Area Sq Ft : 6,128 **Project Type** : FIRE DEPARTMENT
Date of Survey : 21-Dec-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 8817 **Lot** : 49 **BIN** : 3248186

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$453,200	
Interior Architecture	\$683,300	
Total	\$1,136,500	
Importance Code A	\$453,200	
Importance Code B	\$683,300	
Total	\$1,136,500	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$118,700			\$5,100
Interior Architecture	\$62,700	\$1,500	\$400	
Electrical	\$700	\$700	\$3,200	\$2,200
Mechanical	\$14,400	\$6,800	\$6,500	\$71,400
Site Enclosure	\$10,700			
Total	\$207,200	\$9,100	\$10,000	\$78,700
Importance Code A	\$119,300	\$600	\$600	\$5,700
Importance Code B	\$24,100	\$8,400	\$9,000	\$72,900
Importance Code C	\$63,700		\$400	
Total	\$207,200	\$9,100	\$10,000	\$78,700



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
Exterior									
Exterior Walls									
	Masonry: Brick	80%	Now	\$453,200	LIFE	* *	5	\$18,800	
	Cracking/Crumbling, Extent : Light, Area Affected : 10%								
	Location : Throughout								
	Spalling, Extent : Moderate, Area Affected : 50%								
	Location : Throughout								
	Masonry: Granite	2%	Now	\$1,800	LIFE	* *	5	\$400	
	Broken/Missing Elements, Extent : Light, Area Affected : 5%								
	Location : Base Of Front Facade								
	Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%								
	Location : Front Facade								
	Masonry: Limestone	5%	Now	\$18,100	LIFE	* *	5	\$900	
	Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%								
	Location : Front Facade								
	Metal Panel	4%	Now	\$3,000	2053	* *	5	\$1,800	
	Broken/Missing Elements, Extent : Light, Area Affected : 25%								
	Location : Southwest Elevation Of Bulkhead								
	Slate Panels	1%	Now	\$3,600	LIFE	* *	5	\$200	
	Spalling, Extent : Moderate, Area Affected : 25%								
	Location : Slate Window Sills								
	Wood Overhead Doors	8%			2038	* *	5	\$9,400	
Windows									
	Aluminum	98%	Now	\$8,900	2049	* *	5	\$1,000	
	Cttrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%								
	Location : Throughout								
	Wood	2%	0-2	\$1,500	2058	* *	5	\$200	
	On Extended Life, Extent : Moderate, Area Affected : 100%								
	Location : Tower Section								
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Hose Tower								
	Explanation : Boarded Over								
Parapets									
	Masonry: Brick	80%	Now	\$43,800	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	
	Metal Panel	10%			2053	* *	5	\$900	

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 321
Asset # : 13206

Architecture		Current Repair		Future Replacement		Maintenance		
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	\$21,900	2038		* *		
	Patching Evident, Extent : Moderate, Area Affected : 20%							
	Location : Throughout							
	Ponding, Extent : Light, Area Affected : 10%							
	Location : Roof							
	Water Penetration, Extent : Moderate, Area Affected : 10%							
	Location : 2nd Floor Toilets And Locker Room							
Skylight, Metal/Glass	2%	Now	\$16,100	2053		* *		
	Glazing Broken/Cracked, Extent : Moderate, Area Affected : 30%							
	Location : Throughout							
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$381,000	LIFE		* *	5	\$10,000
	Cracking/Crumbling, Extent : Light, Area Affected : 20%							
	Location : Basement And Apparatus Floor							
Ceramic Tile	30%			2046		* *	5	\$2,800
Terrazzo	5%			LIFE		* *	5	\$400
Vinyl Tile	15%			2038		* *	3	\$500
Interior Walls								
Cast in Place Concrete	15%	0-2	\$7,900	LIFE		* *		
	Cracking/Crumbling, Extent : Light, Area Affected : 10%							
	Location : Throughout							
Ceramic Tile	5%			2042		* *	5	\$700
Gypsum Board	20%			LIFE		* *	5	\$1,700
Masonry: Brick	15%	0-2	\$19,800	LIFE		* *		
	Cracking/Crumbling, Extent : Light, Area Affected : 10%							
	Location : Throughout							
Plaster	30%	Now	\$25,300	LIFE		* *	5	\$1,300
	Water Penetration, Extent : Severe, Area Affected : 100%							
	Location : Hose Tower							
	Worn/Eroded, Extent : Severe, Area Affected : 100%							
	Location : Hose Tower And Stair							
SGFT/Glazed Masonry	10%			LIFE		* *		
Wood	5%			LIFE		* *	5	\$2,800

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

FIRE DEPARTMENT - 057
ENGINE CO. 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%			2050	**	5	\$1,000	
Exposed Struc: Concrete	20%	Now	\$302,300	LIFE	**	5	\$300	

Cracking/Crumbling, Extent : Severe, Area Affected : 60%

Location : Basement

Exposed Reinforcement, Extent : Moderate, Area Affected : 20%

Location : Basement

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

Location : Basement

Explanation : Apparatus Floor Supported By Temporary Columns

Gypsum Board	10%			LIFE	**	5	\$1,300	
Plaster	60%	4+	\$9,200	LIFE	**	5	\$3,900	

Cracking/Crumbling, Extent : Moderate, Area Affected : 5%

Location : Hose Tower

Paint Peeling, Extent : Severe, Area Affected : 5%

Location : Hose Tower

Site Enclosure

Fence/Gates

Chain Link	100%	Now	\$10,700	2053	**			
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Impact Damage, Extent : Moderate, Area Affected : 10%

Location : Gate

Site Pavements

Public Sidewalk

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

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

Cast in Place Concrete	100%			2050	**			
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Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2043	**	5		
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : Main Service Disconnect Switch Rated At 200 Amperes.

Switchgear / Switchboard

Molded Case Bkrs	100%			2043	**	5	\$200	
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Raceway

Conduit	100%			2043	**	1		
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Panelboards

Molded Case Bkrs	100%			2041	**	5	\$200	
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Wiring

Thermoplastic	100%			2043	**	1		
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*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.*

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 321
Asset # : 13206

Electrical		Current Repair		Future Replacement		Maintenance			
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%			2038	**	5		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	**	5	\$100	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2046	**	1	\$1,900	
	Generators								
	Diesel	100%			2042	**	1	\$2,400	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Side Yard								
	Explanation : Emergency Generator Rated At 60 Kilowatts								
	Batteries								
	Lead/Acid	100%			2027	\$2,400	5	\$200	
	Fuel Storage								
	Main Tank	100%			2061	**	5		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Side Yard								
	Explanation : 120 Gallons Rated Capacity								
Lighting									
	Interior Lighting								
	Fluorescent	25%			2038	**	10	\$1,400	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Explanation : T-8 Lamps								
	LED	75%			2041	**			
	Egress Lighting								
	Emergency, Service	50%			2041	**	1		
	Exit, LED	50%			2068	**	1		
	Exterior Lighting								
	HID	30%			2033	\$8,400	10		
	No Component	70%							
Alarm									
	Security System								
	Generic	100%			2033	\$11,200	1	\$2,300	
	Other Observation, Extent : N/A, 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%			2053	* *	1		

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 321
Asset # : 13206

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Conversion Equipment								
	Steam Boiler	100%			2046	* *	1	\$6,100	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : One Boiler							
	Distribution								
	Steam Piping/Pump	100%			2043	* *			
	Terminal Devices								
	Convactor/Radiator	100%			2038	* *	1	\$2,000	
Air Conditioning									
	Energy Source								
	Electricity	100%			2049	* *	1		
	Conversion Equipment								
	Split Unit	20%			2038	* *			
		R-410a Refrigerant, Extent : Light, Area Affected : 100%							
		Location : 1 Unit On Roof							
	Window/Wall Unit	40%			2028	\$9,100	1		
	No Component	40%							
	Terminal Devices								
	Fan Coil - 2 Pipe	20%			2038	* *	1	\$400	
	No Component	80%							
	Heat Rejection								
	Air Cooled Condenser	20%			2038	* *	2	\$900	
	Unit								
	No Component	80%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	30%			LIFE	* *	2-5	\$1,000	
	No Component	70%							
	Exhaust Fans								
	Interior	20%			2038	* *	2		
	Roof	10%			2033	\$1,200	2		
	Wall Unit	10%			2033	\$300	2		
	No Component	60%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%	0-2	\$1,500	2043	* *	1		
		Not Insulated, Extent : Light, Area Affected : 20%							
		Location : Basement							
	Water Heater With Tanks								
	Gas Fired	100%			2028	\$33,400	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallons 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.

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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. 321
Asset # : 13206

Mechanical		Current Repair		Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
	Storm Drain Piping							
	Cast Iron	100%		LIFE	* *	1		
	Sump Pump(s)							
	Submersible	100%		2026	\$200	4	\$200	
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Generic	100%		2028	\$15,900	1-3	\$80,900	
		<i>Other Observation, Extent : N/A, Area Affected : 100%</i>						
		<i>Location : Kitchen</i>						
		<i>Explanation : 1 Set Covers 20 Square Feet</i>						

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 323
Address : 6405 AVENUE N
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.323 / 13207 **Yr Built/Renovated** : 1932 / 2007
Area Sq Ft : 6,802 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Nov-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 8364 **Lot** : 6 **BIN** : 3235919

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$79,200	
Interior Architecture	\$682,200	
Electrical		\$63,500
Mechanical		\$85,300
Total	\$761,400	\$148,800
Importance Code A	\$79,200	
Importance Code B	\$682,200	\$148,800
Total	\$761,400	\$148,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$11,500	\$1,300		
Interior Architecture	\$88,600	\$200	\$2,300	\$300
Electrical	\$700	\$3,300	\$800	\$19,900
Mechanical	\$28,000	\$6,100	\$14,200	\$33,900
Total	\$128,700	\$10,900	\$17,300	\$54,000
Importance Code A	\$12,100	\$2,000	\$700	\$700
Importance Code B	\$98,400	\$9,000	\$14,300	\$53,400
Importance Code C	\$18,200		\$2,300	
Total	\$128,700	\$10,900	\$17,300	\$54,000



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. 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	\$79,200	LIFE	* *	5	\$19,700	
	Paint Peeling, Extent : Moderate, Area Affected : 10%								
	Location : Side Facades And Rear Facades								
	Spalling, Extent : Moderate, Area Affected : 5%								
	Location : Side Facades And Rear Facades								
	Masonry: Granite	5%			LIFE	* *	5	\$800	
	Wood Overhead Doors	5%	Now	\$9,500	2038	* *	5	\$2,800	
	Paint Peeling, Extent : Severe, Area Affected : 10%								
	Location : Front Facade								
	Split/Cracked, Extent : Severe, Area Affected : 10%								
	Location : Front Of Building								
	Unit Inoperable, Extent : Moderate, Area Affected : 10%								
	Location : Front Of Building								
Windows									
	Aluminum	100%			2049	* *	5	\$2,000	
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%			2046	* *	5	\$2,600	
Roof									
	Modified Bitumen	100%	4+	\$1,900	2038	* *			
	Ponding, Extent : Moderate, Area Affected : 5%								
	Location : 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. 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									
Floors									
	Cast in Place Concrete	53%	Now	\$420,800	LIFE	* *	5	\$11,100	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
	Location : Apparatus Floor								
	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	\$700	2046	* *	5	\$100	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
	Location : Kitchen								
	Terrazzo	3%	Now	\$5,200	LIFE	* *	5	\$200	
	Cracking/Crumbling, Extent : Light, Area Affected : 10%								
	Location : Throughout								
	Vinyl Tile	20%	Now	\$51,600	2043	* *	3	\$700	
	Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
	Location : Kitchen, House Watch								
	Vinyl Tile	20%			2041	* *	3	\$700	
	Recent Installation, Extent : N/A, Area Affected : 100%								
	Location : 2nd Floor								
	Vinyl Tile 9" X 9"	2%	Now	\$14,900	2043	* *	3	\$100	
	Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
	Location : House Watch, Basement								
Interior Walls									
	Cast in Place Concrete	20%			LIFE	* *			
	Ceramic Tile	35%			2042	* *	5	\$4,600	
	Marble Panels	5%	Now	\$5,700	LIFE	* *			
	Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
	Location : Throughout								
	Plaster	40%	Now	\$12,500	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									
	AcousTileSusp.Lay-In	10%	Now	\$15,500	2053	* *	5	\$500	
	Worn/Eroded, Extent : Severe, Area Affected : 100%								
	Location : Kitchen, House Watch								
	Exposed Struc: Concrete	50%	Now	\$209,800	LIFE	* *	5	\$700	
	Exposed Reinforcement, Extent : Moderate, Area Affected : 20%								
	Location : Basement								
	Spalling, Extent : Moderate, Area Affected : 20%								
	Location : Basement								
	Plaster	40%	Now	\$34,100	LIFE	* *	5	\$2,400	
	Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
	Location : Ladder To 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. 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	

Site Enclosure

Fence/Gates

Chain Link

100%

2043

* *

Free Standing Walls

Concrete Masonry Unit

100%

2043

* *

Site Pavements

Public Sidewalk

Cast in Place Concrete

100%

2046

* *

On-Site Walkways

Cast in Place Concrete

100%

2053

* *

Parking/Driveway

Cast in Place Concrete

100%

2053

* *

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

Under 600 Volts

Service Equipment

Fused Disc Sw

100%

2033

\$14,700

5

*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%

2033

\$63,500

5

\$200

Raceway

Conduit

100%

2033

\$36,000

1

Panelboards

Fused Disc Sw

10%

2032

\$4,800

5

Molded Case Bkrs

90%

2032

\$43,600

5

\$200

Wiring

Thermoplastic

100%

2033

\$32,500

1

Motor Controllers

Locally Mounted

100%

2031

\$17,800

5

Ground

Grounding Devices

Generic

100%

LIFE

* *

5

\$100

Stand-by Power

Transfer Switches

Automatic

100%

2038

* *

1

\$2,100

Generators

Diesel

100%

2036

* *

1

\$2,600

*Other Observation, Extent : Light, Area Affected : 100%**Location : Side Yard**Explanation : Emergency Generator Rated At 40 Kilowatts*

Batteries

Lead/Acid

100%

2026

\$2,400

5

\$300

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 323
Asset # : 13207

Electrical		Current Repair		Future Replacement		Maintenance			
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%			2048	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Side Yard									
Explanation : 50 Gallons Rated Capacity									
Lighting									
	Interior Lighting								
	Fluorescent	25%			2028	\$14,400	10	\$1,600	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%									
Location : Basement									
	LED	75%			2038	* *			
Other Observation, Extent : N/A, Area Affected : 100%									
Location : 1st And 2nd Floor									
Explanation : LED Light Fixtures									
Egress Lighting									
	Emergency, Service	100%			2033	\$4,100	1		
Exterior Lighting									
	HID	10%			2028	\$3,100	10		
	LED	10%			2038	* *			
	No Component	80%							
Alarm									
	Security System								
	Generic	100%			2038	* *	1	\$2,500	
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%			2053	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2046	* *	1	\$6,700	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Unit							
	Distribution								
	Steam Piping/Pump	100%			2043	* *			
	Terminal Devices								
	Convactor/Radiator	100%			2046	* *	1	\$2,200	
Air Conditioning									
	Energy Source								
	Electricity	100%			2049	* *	1		

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

FIRE DEPARTMENT - 057
ENGINE CO. 323
Asset # : 13207

Mechanical		Current Repair			Future Replacement		Maintenance		
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	15%			2038	* *	1	\$500	
		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 : Roof Explanation : 1 Unit, R-410a							
	Window/Wall Unit	30%	0-2	\$3,800	2028	\$7,600	1		
		Malfunctioning, Extent : Moderate, Area Affected : 5% Location : 2nd Floor							
	No Component	50%							
Terminal Devices									
	Fan Coil - 2 Pipe	20%			2038	* *	1	\$400	
	No Component	80%							
Heat Rejection									
	Dry Cooler	20%			2038	* *	2	\$900	
	No Component	80%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	25%			LIFE	* *	2-5	\$900	
	No Component	75%							
Exhaust Fans									
	Interior	15%			2038	* *	2		
	Roof	10%			2033	\$1,300	2		
	Wall Unit	25%			2038	* *	2	\$100	
	No Component	50%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2033	\$85,300	1		
	Water Heater With Tanks								
	Gas Fired	100%			2031	\$33,400	2		
		Other Observation, Extent : N/A, Area Affected : 100% Location : Basement Explanation : 2 Units. 75 Gallons							
	Sanitary Piping								
	Cast Iron	100%	0-2	\$8,400	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 15% Location : Frequent Water Backs Up To Kitchen And Apparatus Floor							
	Sump Pump(s)								
	Submersible	100%	0-2	\$4,000	2027	\$8,100	4	\$100	
		Broken, Extent : Severe, Area Affected : 100% Location : Basement. Sump Pump Broken							
Fixtures									
	Generic	100%							

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

FIRE DEPARTMENT - 057
ENGINE CO. 323
Asset # : 13207

Mechanical		Current Repair		Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Fire Suppression	Chemical System							
	Generic	100%		2028	\$14,300	1-3	\$72,800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Kitchen Fire Suppression 18 Square Feet</i> <i>Explanation : 1 Set</i>								

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 324
Address : 108-01 HORACE HARDING EXP.
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.324 / 13208 **Yr Built/Renovated** : 1939 /
Area Sq Ft : 5,952 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Mar-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1964 **Lot** : 65 **BIN** : 4048310

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$124,400	
Interior Architecture		\$98,500
Electrical		\$127,000
Site Pavements	\$54,100	
Total	\$178,500	\$225,500
Importance Code A	\$124,400	\$63,500
Importance Code B		\$162,000
Importance Code C	\$54,100	
Total	\$178,500	\$225,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$50,100			
Interior Architecture	\$50,800		\$800	
Electrical	\$400	\$400	\$3,000	\$10,500
Mechanical	\$30,200	\$10,700	\$6,500	\$29,600
Site Enclosure	\$10,400			
Total	\$141,900	\$11,100	\$10,300	\$40,100
Importance Code A	\$50,700	\$600	\$600	\$700
Importance Code B	\$75,900	\$10,600	\$9,600	\$39,400
Importance Code C	\$15,400		\$100	
Total	\$141,900	\$11,100	\$10,300	\$40,100



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

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 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	\$124,400	LIFE	**	5	\$15,500	
	Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
	Location : Throughout								
	Water Penetration, Extent : Moderate, Area Affected : 10%								
	Location : Foundation, Exterior Wall Near Stairs								
	Masonry: Granite	3%			LIFE	**	5	\$400	
	Masonry: Limestone	5%	Now	\$14,500	LIFE	**	5	\$700	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : Throughout								
	Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
	Location : Throughout								
	Metal Sect. OHD	10%			2050	**	5	\$5,900	
	Recent Replace Evident, Extent : N/A, Area Affected : 100%								
	Location : Overhead Door								
Roof									
	Asphalt Shingle	100%	Now	\$28,400	2042	**			
	Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
	Location : Roof								
	Gut/DS Non Func/Miss, Extent : Severe, Area Affected : 25%								
	Location : Throughout								
	Water Penetration, Extent : Severe, Area Affected : 10%								
	Location : Bunker Room At Gutter Location								
Soffits									
	Wood	100%	4+	\$4,200	2046	**	5	\$9,900	
	Dry Rot/Decay, Extent : Moderate, Area Affected : 10%								
	Location : Cornice Overhang								
Interior									
Floors									
	Cast in Place Concrete	50%	4+	\$7,600	LIFE	**	5	\$10,000	
	Water Penetration, Extent : Moderate, Area Affected : 2%								
	Location : Basement Floor								
	Ceramic Tile	5%			2042	**	5	\$500	
	Terrazzo	5%			LIFE	**	5	\$400	
	Vinyl Tile	40%			2033	\$98,500	3	\$1,400	
Interior Walls									
	Ceramic Tile	5%			2042	**	5	\$200	
	Gypsum Board	5%			LIFE	**	5	\$100	
	Masonry: Brick	10%			LIFE	**			
	Plaster	45%	Now	\$5,000	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	**			

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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	\$3,000	2038	**	5	\$500
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*Staining/Discoloring, Extent : Moderate, Area Affected : 25%**Location : Kitchen, Throughout**Worn/Eroded, Extent : Severe, Area Affected : 100%**Location : Kitchen, Throughout*

Exposed Struc: Concrete	25%			LIFE	**	5	\$400
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*Other Observation, Extent : N/A, Area Affected : 10%**Location : Basement Floor**Explanation : Temporary Support Columns For Apparatus Floor*

Plaster	65%	0-2	\$35,200	LIFE	**	5	\$3,700
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 5%**Location : Bathroom, Apparatus Area***Site Enclosure****Fence/Gates**

Chain Link	10%			2059	**		
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Chain Link	90%	0-2	\$10,400	2053	**		
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*Broken/Missing Elements, Extent : Moderate, Area Affected : 10%**Location : Throughout**Corrosion/Rusting, Extent : Moderate, Area Affected : 80%**Location : Throughout***Site Pavements****Public Sidewalk**

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

Cast in Place Concrete	100%			2038	**		
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Parking/Driveway

Cast in Place Concrete	100%	Now	\$54,100	2046	**		
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*Cracking/Crumbling, Extent : Severe, Area Affected : 10%**Location : Rear Parking*

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

Under 600 Volts**Service Equipment**

Molded Case Bkrs	100%			2033	\$63,500	5	\$200
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room Basement**Explanation : Two 200 Ampere Main Disconnect Switches***Switchgear / Switchboard**

Molded Case Bkrs	100%			2033	\$63,500	5	\$200
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Raceway

Conduit	100%			2033	\$36,000	1	
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*** Replacement cost estimated to be beyond ten years is not included in this report.*

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
Under 600 Volts									
Panelboards									
	Fused Disc Sw	5%			2032	\$2,400	5		
	Molded Case Bkrs	95%			2032	\$46,000	5	\$100	
Wiring									
	Thermoplastic	100%			2033	\$32,500	1		
Motor Controllers									
	Locally Mounted	100%			2031	\$17,800	5		
Ground									
Grounding Devices									
	Generic	100%			LIFE	* *	5	\$100	
Stand-by Power									
Transfer Switches									
	Automatic	100%			2046	* *	1	\$1,800	
Generators									
	Diesel	100%			2042	* *	1	\$2,300	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Backyard								
	Explanation : One 40 Kilowatts								
Batteries									
	Lead/Acid	100%			2027	\$2,400	5	\$200	
Fuel Storage									
	Main Tank	100%			2061	* *	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Generator Room Outside								
	Explanation : One 50 Gallons Capacity								
Lighting									
Interior Lighting									
	Fluorescent	98%			2033	\$49,500	10	\$5,400	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Throughout The Building								
	Explanation : T-8 Lamps								
	LED	2%			2038	* *			
Egress Lighting									
	Emergency, Service	50%			2028	\$1,800	1		
	Exit, LED	50%			2061	* *	1		
Exterior Lighting									
	HID	30%			2028	\$8,100	10		
	No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Energy Source								
	Natural Gas	100%			2053	* *	1		

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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									
	Conversion Equipment								
	Steam Boiler	100%			2038	* *	1	\$5,900	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Unit							
Distribution									
	Steam Piping/Pump	100%	0-2	\$2,300	2033	\$46,600			
		Corroded, Extent : Moderate, Area Affected : 20%							
		Location : Return Line In Basement							
Terminal Devices									
	Convactor/Radiator	100%	0-2	\$1,000	2038	* *	1	\$1,700	
		Not in Service, Extent : Moderate, Area Affected : 10%							
		Location : 2nd Floor Bunker Room							
Air Conditioning									
	Energy Source								
	Electricity	100%			2041	* *	1		
	Conversion Equipment								
	Split Unit	15%			2033	\$20,700			
		R-22 Refrigerant, Extent : Light, Area Affected : 100%							
		Location : One Unit In Back Yard							
	Window/Wall Unit	20%	0-2	\$4,400	2033	\$4,400	1		
		Obsolete Equipment, Extent : Moderate, Area Affected : 100%							
		Location : Various Locations							
	Window/Wall Unit	20%			2026	\$4,400	1		
	No Component	45%							
Terminal Devices									
	Fan Coil - 2 Pipe	15%	0-2	\$1,500	2033	\$14,600	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%			2033	\$1,400	2	\$600	
	No Component	85%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	15%	0-2	\$1,900	LIFE	* *	2-5	\$500	
		Unbalanced System, Extent : Moderate, Area Affected : 100%							
		Location : Kitchen. Waiting And Television Room On 1st Floor.							
	No Component	85%							

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** 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
Ventilation									
	Exhaust Fans								
	Interior	15%			2033	\$3,900	2		
	Wall Unit	20%	0-2	\$500	2043	* *	2		
		Abandoned in Place, Extent : Moderate, Area Affected : 100%							
		Location : Apparatus Floor							
	No Component	65%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	3%	0-2	\$2,200	2063	* *	1		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Obsolete Water Main Valve							
	Brass/Copper	97%			2043	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2028	\$16,700	2		
	Sanitary Piping								
	Cast Iron	100%	0-2	\$3,700	LIFE	* *	1		
		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	2028	\$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%			2031	\$15,900	1-3	\$80,900	
		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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 325/LADDER 163
Address : 41-24 51st STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.325 / 13209 **Yr Built/Renovated** : 1939 / 2012
Area Sq Ft : 5,940 **Project Type** : FIRE DEPARTMENT
Date of Survey : 01-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 131 **Lot** : 31 **BIN** : 4000979

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$89,600	
Interior Architecture		\$109,500
Total	\$89,600	\$109,500
Importance Code A	\$89,600	
Importance Code B		\$109,500
Total	\$89,600	\$109,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$32,600		\$12,400	
Interior Architecture	\$20,000	\$200		\$200
Electrical	\$3,000	\$400	\$500	\$400
Mechanical	\$7,100	\$1,200	\$7,200	\$1,200
Site Pavements	\$13,100			
Total	\$75,800	\$1,800	\$20,200	\$1,800
Importance Code A	\$33,200	\$500	\$13,000	\$500
Importance Code B	\$23,100	\$1,300	\$7,100	\$1,400
Importance Code C	\$19,600			
Total	\$75,800	\$1,800	\$20,200	\$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. 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%			LIFE	**	5	\$25,000	
	Recent Repair Evident, Extent : N/A, Area Affected : 60%							
	Location : All Facades							
Masonry: Granite	3%			LIFE	**	5	\$700	
Masonry: Limestone	7%			LIFE	**	5	\$1,500	
Wood Overhead Doors	5%			2037	**	5	\$7,400	
Windows								
Aluminum	100%	Now	\$32,600	2054	**	5	\$700	
	Unit Inoperable, Extent : Severe, Area Affected : 50%							
	Location : Throughout							
Parapets								
Masonry: Brick	85%	Now	\$89,600	LIFE	**	5	\$2,400	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 40%							
	Location : Parapet Wall							
	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%			2037	**	10	\$8,800	
Interior								
Floors								
Cast in Place Concrete	65%			LIFE	**	5	\$13,300	
Vinyl Tile	20%			2037	**	3	\$900	
Vinyl Tile 9" X 9"	15%			2032	\$109,500	3	\$500	
Interior Walls								
Cast in Place Concrete	15%			LIFE	**			
Gypsum Board	10%			LIFE	**	5	\$800	
Plaster	35%	Now	\$10,700	LIFE	**	5	\$1,300	
	Water Penetration, Extent : Severe, Area Affected : 30%							
	Location : Roof Access And Bulkhead							
SGFT/Glazed Masonry	40%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	10%	Now	\$9,100	2052	**	5	\$500	
	Staining/Discoloring, Extent : Moderate, Area Affected : 25%							
	Location : Kitchen							
Exposed Struc: Steel	25%			LIFE	**			
Plaster	65%			LIFE	**	5	\$3,800	
	Recent Repair Evident, Extent : N/A, Area Affected : 30%							
	Location : Stair							
Site Enclosure								
Fence/Gates								
Chain Link	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. 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	

Site Enclosure

Free Standing Walls

Cast in Place Concrete	100%			2052		**			
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%	Now	\$4,300	2045		**			
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Cracking/Crumbling, Extent : Moderate, Area Affected : 10%

Location : Front Of Building 51st Street

On-Site Walkways

Cast in Place Concrete	100%	0-2	\$8,900	2037		**			
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Cracking/Crumbling, Extent : Moderate, Area Affected : 10%

Location : Side Yard

Misaligned/Bulging, Extent : Moderate, Area Affected : 30%

Location : Rear Of Building

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

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2042		**	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : One 200 Ampere Main Disconnect Switch

Switchgear / Switchboard

Molded Case Bkrs	100%			2042		**	5	\$200	
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Raceway

Conduit	100%			2042		**	1		
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Panelboards

Fused Disc Sw	5%			2040		**	5		
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Molded Case Bkrs	95%			2040		**	5	\$100	
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Wiring

Thermoplastic	100%			2042		**	1		
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Motor Controllers

Locally Mounted	100%			2037		**	5		
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Ground

Grounding Devices

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

Transfer Switches

Automatic	100%			2037		**	1	\$1,800	
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Generators

Diesel	100%			2035		**	1	\$2,300	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Rear Side Of The Building

Explanation : Emergency Generator Rated At 60 Kilowatts

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. 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
Stand-by Power									
Batteries									
	Lead/Acid	100%			2025	\$2,400	5	\$200	
Fuel Storage									
	Day Tank	50%			2040	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Generator Room Outside									
Explanation : One 125 Gallons									
	Main Tank	50%			2035	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : One 500 Gallons									
Lighting									
Interior Lighting									
	LED	100%			2040	* *			
Egress Lighting									
	Emergency, Service	60%			2040	* *	1		
	No Component	40%							
Exterior Lighting									
	LED	20%			2040	* *			
	No Component	80%							
Mechanical		Current Repair		Future 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%			2042	* *	1		
	Natural Gas	80%			2052	* *	1		
Conversion Equipment									
	Radiant Heater	20%			2037	* *	2	\$600	
	Steam Boiler	80%			2045	* *	1	\$4,700	
Distribution									
	Ductwork/Diffusers	20%			LIFE	* *	2-5	\$700	
	Steam Piping/Pump	80%	0-2	\$1,900	2042	* *			
Steam Traps Faulty, Extent : Light, Area Affected : 10%									
Location : Throughout									
Terminal Devices									
	Convactor/Radiator	60%			2037	* *	1	\$1,200	
	Fan Coil Unit/Heat	20%			2032	\$28,800	1	\$400	
	No Component	20%							
Air Conditioning									
Energy Source									
	Electricity	100%			2048	* *	1		

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** 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
Air Conditioning									
	Conversion Equipment								
	Exterior Pkg Unit - Cooling	30%			2040	* *	2	\$100	
		Other Observation, Extent : Light, Area Affected : 100% Location : Roof Explanation : 1 Unit. R-410a Refrigerant							
	Window/Wall Unit	20%			2027	\$4,400	1		
	No Component	50%							
Distribution									
	Ductwork/Diffusers	30%			LIFE	* *	2	\$2,300	
	No Component	70%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	40%			LIFE	* *	2-5	\$1,300	
	No Component	60%							
Exhaust Fans									
	Roof	40%			2037	* *	2	\$100	
	Wall Unit	10%			2032	\$300	2		
	No Component	50%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2052	* *	1		
Water Heater With Tanks									
	Gas Fired	100%			2030	\$16,700	2		
		Other Observation, Extent : N/A, Area Affected : 100% Location : Basement Explanation : Two Units							
Sanitary Piping									
	Cast Iron	100%	Now	\$3,700	LIFE	* *	1		
		Blockage /Clogged, Extent : Severe, Area Affected : 2% Location : Front Entrance Of Apparatus Floor Corroded, Extent : Moderate, Area Affected : 5% Location : Basement							
Storm Drain Piping									
	Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)									
	Submersible	100%			2025	\$200	4	\$200	
		On Extended Life, Extent : Light, Area Affected : 100% Location : Basement							
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. 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
Fire Suppression									
Chemical System									
	No Component	90%							
	Generic	10%			2030	\$1,600	1-3	\$7,400	
Other Observation, Extent : Light, Area Affected : 10%									
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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 326/LADDER 160
Address : 64-04 SPRINGFIELD BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.326 / 13210 **Yr Built/Renovated** : 1984 /
Area Sq Ft : 8,862 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Oct-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 7621 **Lot** : 12 **BIN** : 4162454

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$165,300	
Electrical	\$49,600	\$226,500
Mechanical		\$56,600
Total	\$214,900	\$283,100
Importance Code A		\$63,500
Importance Code B	\$214,900	\$219,600
Total	\$214,900	\$283,100

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$11,300			\$700
Interior Architecture	\$11,400	\$500	\$500	
Electrical	\$3,200	\$600	\$700	\$18,900
Mechanical	\$34,600	\$28,600	\$6,600	\$60,600
Site Enclosure		\$100		
Site Pavements	\$49,300			
Total	\$109,700	\$29,900	\$7,800	\$80,200
Importance Code A	\$11,700	\$400	\$400	\$1,200
Importance Code B	\$49,900	\$29,300	\$7,200	\$79,000
Importance Code C	\$48,100	\$100	\$100	
Total	\$109,700	\$29,900	\$7,800	\$80,200



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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
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FIRE DEPARTMENT - 057
ENGINE CO. 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									
	Masonry: Brick Cavity	80%			LIFE	**	5	\$9,500	
	Mosaic Tile	2%			2053	**	10	\$700	
	Window Wall	3%			2053	**	5	\$1,300	
	Wood Overhead Doors	15%	2-4	\$2,500	2046	**	5	\$4,500	
Deteriorated Finish, Extent : Light, Area Affected : 100%									
Location : All Overhead Door									
Windows									
	Aluminum	100%	Now	\$4,200	2041	**	5	\$200	
Glazing Broken/Cracked, Extent : Moderate, Area Affected : 5%									
Location : Blue Room And Locker Room									
Unit Inoperable, Extent : Moderate, Area Affected : 20%									
Location : Bunkroom									
Parapets									
	Cast Stone/Terra Cotta	20%	Now	\$2,300	LIFE	**	5	\$1,600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 1%									
Location : Parking Lot Side Parapet									
	Masonry: Brick	80%			LIFE	**	5	\$800	
Roof									
	Asphalt Shingle	10%			2042	**	10	\$200	
	Modified Bitumen	88%	0-2	\$2,300	2041	**			
Drains Clogged, Extent : Moderate, Area Affected : 5%									
Location : Lower Roof Drain									
Vegetation Growth, Extent : Moderate, Area Affected : 5%									
Location : Lower Roof									
	Skylight, Plastic	2%			2046	**	1		
Soffits									
	Gypsum Board: Exterior Grade	100%			LIFE	**			
Interior									
Floors									
	Cast in Place Concrete	50%	2-4	\$165,300	LIFE	**	5	\$14,500	
Cracking/Crumbling, Extent : Severe, Area Affected : 20%									
Location : Apparatus Room									
	Ceramic Tile	5%			2042	**	5	\$700	
	Panel/Paver: Cer/Brk	40%			2055	**	5	\$11,900	
	Quarry Tile	5%			2046	**	5	\$1,000	
Interior Walls									
	Cast in Place Concrete	10%			LIFE	**			
	Ceramic Tile	5%			2042	**	5	\$300	
	Concrete Masonry Unit	45%			LIFE	**	5	\$1,100	
	SGFT/Glazed Masonry	40%			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. 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	
Interior									
Ceilings									
AcousTileSusp.Lay-In	40%	Now	\$4,300	2046	* *	5	\$2,700		
	Staining/Discoloring, Extent : Moderate, Area Affected : 5%								
	Location : Around Air Vents Throughout								
	Water Penetration, Extent : Moderate, Area Affected : 5%								
	Location : Around Air Vents Throughout								
Exposed Struc: Steel	10%			LIFE	* *				
Gypsum Board	25%	Now	\$1,100	LIFE	* *	5	\$4,100		
	Broken/Missing Elements, Extent : Light, Area Affected : 5%								
	Location : Apparatus Floor Ceiling								
Plaster	25%			LIFE	* *	5	\$2,100		
Site Enclosure									
Fence/Gates									
Aluminum Rail	2%			2046	* *	5-10	\$200		
	Other Observation, Extent : Light, Area Affected : 2%								
	Location : Roof								
	Explanation : On Roof Adjacent To Parapet								
Chain Link	98%			2053	* *				
Retaining Walls									
Cast in Place Concrete	100%			2068	* *				
Site Pavements									
Public Sidewalk									
Cast in Place Concrete	100%	0-2	\$1,200	2046	* *				
	Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
	Location : By Driveway								
On-Site Walkways									
Cast in Place Concrete	100%			2046	* *				
Parking/Driveway									
Asphalt	90%	Now	\$48,100	2042	* *				
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : Parking Lot								
	Sinking/Subsiding, Extent : Moderate, Area Affected : 10%								
	Location : Parking Lot								
Cast in Place Concrete	10%			2046	* *				

Electrical		Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Under 600 Volts									
Service Equipment									
Molded Case Bkrs	100%			2033	\$63,500	5	\$200		
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.
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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
Under 600 Volts									
	Switchgear / Switchboard								
	Molded Case Bkrs	100%			2033	\$63,500	5	\$200	
	Raceway								
	Conduit	100%			2033	\$36,000	1		
	Panelboards								
	Fused Disc Sw	5%			2032	\$2,400	5		
	Molded Case Bkrs	95%			2032	\$46,000	5	\$200	
	Wiring								
	Thermoplastic	100%			2033	\$32,500	1		
	Motor Controllers								
	Locally Mounted	100%			2031	\$17,800	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2031	\$12,900	1	\$2,700	
	Generators								
	Diesel	100%			2029	\$99,500	1	\$3,400	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : One 30 Kilowatts								
	Batteries								
	Lead/Acid	100%			2025	\$2,400	5	\$300	
	Fuel Storage								
	Day Tank	50%			2032	\$12,500	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Generator Room Basement								
	Explanation : One 75 Gallons								
	Main Tank	50%			2036	* *	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : One 550 Gallons								
Lighting									

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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
Lighting								
Interior Lighting								
Fluorescent	66%			2028	\$49,600	10	\$5,400	
	Other Observation, Extent : Light, Area Affected : 100%							
	Location : Basement, 3rd Floor And Offices							
	Explanation : T-12 Lamps							
Fluorescent	30%			2038	* *	10	\$2,400	
	Other Observation, Extent : Light, Area Affected : 100%							
	Location : 3rd Floor And Locker Room							
	Explanation : T-8 Lamps							
Fluorescent	2%			2038	* *	10	\$200	
	Compact Fluorescent Light, Extent : Light, Area Affected : 100%							
	Location : Kitchen							
LED	2%			2041	* *			
Egress Lighting								
Emergency, Service	40%			2028	\$2,100	1		
Emergency, Service	20%			2038	* *	1		
Exit, Service	40%			2028	\$1,500	1		
Exterior Lighting								
HID	16%			2028	\$6,500	10		
HID	4%			2041	* *	10		
No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Energy Source								
	Natural Gas	100%			2053	* *	1		
Conversion Equipment									
	Hot Water Boiler	100%			2038	* *	1	\$4,400	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Unit							
Distribution									
	Hot Wtr Piping/Pump	100%	0-2	\$400	2041	* *	4	\$400	
		Insul. Deteriorating, Extent : Light, Area Affected : 10%							
		Location : On Top Of The Boiler, Basement							
Terminal Devices									
	Convactor/Radiator	80%			2031	\$56,600	1	\$2,300	
	Unit Heater - Hot Water	20%			2028	\$10,300			
Air Conditioning									
	Energy Source								
	Electricity	100%			2041	* *	1		

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** 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	45%	0-2	\$2,100	2033	\$42,700	2	\$200	
		R-134a Refrigerant, Extent : Light, Area Affected : 100% Location : 3 Units, Roof Other Observation, Extent : Moderate, Area Affected : 100% Location : Roof Explanation : Inefficient Units							
	Window/Wall Unit	30%			2028	\$9,800	1		
	No Component	25%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	50%	0-2	\$19,000	LIFE	* *	2-5	\$2,500	
		Insul. Deteriorating, Extent : Moderate, Area Affected : 70% Location : Inside The Ceiling, Various Locations.							
	No Component	50%							
	Exhaust Fans								
	Roof	50%			2038	* *	2	\$100	
	Wall Unit	25%			2028	\$900	2	\$100	
	No Component	25%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2043	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2028	\$33,400	2		
		Other Observation, Extent : N/A, Area Affected : 100% Location : Basement Explanation : Two 75 Gallon Units							
	Sanitary Piping								
	Cast Iron	10%	Now	\$6,500	LIFE	* *	1		
		Blockage /Clogged, Extent : Severe, Area Affected : 60% Location : Parking Lot To Street Sewage, Causing Water Backup In Basement And Parking Lot.							
	Cast Iron	90%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%			2025	\$300	4	\$300	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Sprinkler								
	No Component	90%							
	Generic	10%			2033	\$12,000	1-2	\$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. 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
Fire Suppression	Chemical System								
	Generic	100%			2026	\$15,900	1-3	\$74,400	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Kitchen, Covers 20 Square Feet.									
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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 329
Address : 402 BEACH 169th STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.329 / 13211 **Yr Built/Renovated** : 1961 /
Area Sq Ft : 7,076 **Project Type** : FIRE DEPARTMENT
Date of Survey : 09-Mar-2022 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 16325 **Lot** : 100 **BIN** : 4307098

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$133,100	
Interior Architecture	\$100,000	
Electrical		\$127,000
Mechanical	\$311,100	
Total	\$544,100	\$127,000
Importance Code A	\$133,100	\$63,500
Importance Code B	\$411,100	\$63,500
Total	\$544,100	\$127,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$66,400			\$6,100
Interior Architecture	\$108,900	\$500		\$700
Electrical	\$19,900			\$200
Mechanical	\$23,000	\$4,600	\$4,900	\$43,800
Site Enclosure	\$48,100			
Site Pavements	\$2,000			
Total	\$268,400	\$5,200	\$4,900	\$50,700
Importance Code A	\$66,800	\$400	\$400	\$6,600
Importance Code B	\$142,600	\$4,800	\$4,600	\$44,200
Importance Code C	\$59,000			
Total	\$268,400	\$5,200	\$4,900	\$50,700



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. 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	\$133,100	LIFE	**	5	\$16,500	
Water Penetration, Extent : Severe, Area Affected : 15%									
Location : 2nd Floor Veranda, East Facade, Stair Bulkhead And Above Windows									
	Metal Panel	2%			2043	**	5-10	\$2,600	
	Metal Sect. OHD	10%			2038	**	5	\$5,900	
Windows									
	Aluminum	100%	Now	\$4,400	2049	**	5	\$200	
Air Infiltration, Extent : Moderate, Area Affected : 20%									
Location : Throughout									
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	\$1,100	
	Masonry: Brick	90%	Now	\$46,200	LIFE	**	5	\$1,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%									
Location : Corners									
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%									
Location : Throughout									
Water Penetration, Extent : Moderate, Area Affected : 20%									
Location : Throughout Veranda									
Roof									
	IRMA/Protected Membrane	25%			2038	**	10	\$2,500	
Paver Block Ballast, Extent : Light, Area Affected : 100%									
Location : Over First Floor									
	Modified Bitumen	75%	Now	\$15,900	2038	**			
Water Penetration, Extent : Severe, Area Affected : 10%									
Location : 2nd Floor Front Over Officer Bunkroom									

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. 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									
Floors									
	Cast in Place Concrete	40%	4+	\$17,600	LIFE	* *	5	\$9,300	
	Cracking/Crumbling, Extent : Light, Area Affected : 5%								
	Location : Throughout								
	Ceramic Tile	5%			2036	* *	5	\$500	
	Quarry Tile	5%	2-4	\$800	2038	* *	5	\$400	
	Broken/Missing Elements, Extent : Light, Area Affected : 2%								
	Location : Kitchen								
	Vinyl Tile	35%	Now	\$20,000	2028	\$100,000	3	\$1,400	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
	Location : 2nd Floor								
	Vinyl Tile 9" X 9"	15%	2-4	\$12,400	2043	* *	3	\$600	
	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								
Interior Walls									
	Cast in Place Concrete	10%			LIFE	* *			
	Ceramic Tile	5%	Now	\$400	2036	* *	5	\$100	
	Vertical Cracks, Extent : Moderate, Area Affected : 5%								
	Location : 1st Floor Bathroom								
	Concrete Masonry Unit	10%			LIFE	* *	5	\$100	
	Plaster	45%	Now	\$10,500	LIFE	* *	5	\$400	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
	Location : 2nd Floor Throughout								
	Horizontal Cracks, Extent : Moderate, Area Affected : 5%								
	Location : 2nd Floor								
	Vertical Cracks, Extent : Moderate, Area Affected : 5%								
	Location : 1st Floor Bathroom								
	Water Penetration, Extent : Severe, Area Affected : 15%								
	Location : Stairwell, Officer Locker Room And Bunkroom And 2nd Floor Sitting Room								
	SGFT/Glazed Masonry	30%			LIFE	* *			
Ceilings									
	AcousTileSusp.Lay-In	5%			2046	* *	5	\$500	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
	Location : 1st Floor								
	Exposed Struc: Concrete	35%			LIFE	* *	5	\$600	
	Gypsum Board	10%			LIFE	* *	5	\$1,300	
	Plaster	50%	Now	\$47,200	LIFE	* *	5	\$3,300	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
	Location : Underside Of Basement Stair								
	Spalling, Extent : Severe, Area Affected : 15%								
	Location : Apparatus Room And 2nd Floor								

Site Enclosure

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

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FIRE DEPARTMENT - 057**ENGINE CO. 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	

Site Enclosure

Fence/Gates

Chain Link

100% 0-2 \$48,100 2053 * *

*Corrosion/Rusting, Extent : Moderate, Area Affected : 75%**Location : Throughout*

Site Pavements

Public Sidewalk

Cast in Place Concrete

100% 4+ \$2,000 2046 * *

*Cracking/Crumbling, Extent : Light, Area Affected : 5%**Location : Throughout*

On-Site Walkways

Cast in Place Concrete

100% 2046 * *

*Cracking/Crumbling, Extent : Light, Area Affected : 2%**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

Molded Case Bkrs

100% 2033 \$63,500 5 \$200

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Electrical Room**Explanation : No Available Nameplate Rating Capacity*

Switchgear / Switchboard

Molded Case Bkrs

100% 2033 \$63,500 5 \$200

Raceway

Conduit

100% 2033 \$36,000 1

Panelboards

Molded Case Bkrs

50% 2032 \$24,200 5 \$100

Molded Case Bkrs

50% 2041 * * 5 \$100

Wiring

Braided Cloth

30% 2-4 \$9,800 2058 * * 1

*Insulation Aged, Extent : Moderate, Area Affected : 100%**Location : Throughout The Building*

Thermoplastic

70% 2033 \$22,800 1

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% 2038 * *

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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	

Lighting

Exterior Lighting

LED	20%			2038		* *			
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%			2053		* *	1		
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Conversion Equipment

Furnace	20%			2038		* *	1	\$700	
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Roof

Explanation : 1 Unit

Hot Water Boiler	80%			2038		* *	1	\$2,800	
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : 1 Unit

Distribution

Hot Wtr Piping/Pump	80%	0-2		\$600	2041	* *	4	\$300	
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Insul. Deteriorating, Extent : Moderate, Area Affected : 30%

Location : Basement And Apparatus Floor

No Component	20%								
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Terminal Devices

Convactor/Radiator	50%			2031		\$28,300	1	\$1,100	
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Unit Heater - Steam	30%			2028		\$11,800	4	\$200	
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No Component	20%								
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Air Conditioning

Energy Source

Electricity	100%			2041		* *	1		
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Conversion Equipment

Window/Wall Unit	40%	0-2		\$5,200	2028	\$10,500	1		
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Not Energy Efficient, Extent : Moderate, Area Affected : 50%

Location : Various Locations

On Extended Life, Extent : Moderate, Area Affected : 50%

Location : Various Locations

No Component	60%								
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Ventilation

Distribution

Ductwork/Diffusers	50%			LIFE		* *	2-5	\$2,000	
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No Component	50%								
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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
Ventilation									
	Exhaust Fans								
	Roof	30%	Now	\$1,600	2033	\$4,000	2	\$100	
		Not in Service, Extent : Moderate, Area Affected : 100%							
		Location : Kitchen Hood And Others, Roof							
	Roof	20%			2038	**	2		
	Wall Unit	50%	0-2	\$1,500	2043	**	2	\$100	
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Apparatus Floor							
		Explanation : 2 Obsolete Units							
Plumbing									
	H/C Water Piping								
	Brass/Copper	10%	Now	\$1,800	2043	**	1		
		Other Observation, Extent : Severe, Area Affected : 20%							
		Location : Kitchen							
		Explanation : Drinking Water Filtration Needed Due To Bad Water Quality Complain By The End Users.							
	Brass/Copper	90%			2043	**	1		
	Water Heater With Tanks								
	Gas Fired	50%			2032	\$16,700	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Cellar Mechanical Room							
		Explanation : One 75 Gallon Heater							
	Solar	5%	0-2	\$3,100	2028	\$31,100	1		
		Broken/Missing Elements, Extent : Moderate, Area Affected : 20%							
		Location : Broken Tubes. Roof							
		Not in Service, Extent : Moderate, Area Affected : 100%							
		Location : Entire Solar System							
	Solar	45%			2028	\$279,900	1		
	Sanitary Piping								
	Cast Iron	100%			LIFE	**	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1		
	Sump Pump(s)								
	Submersible	100%			2025	\$200	4	\$200	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	10%	Now	\$400	2028	\$1,200	1-3	\$5,200	
		Not in Service, Extent : Moderate, Area Affected : 100%							
		Location : Kitchen Hood							
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Kitchen							
		Explanation : 1 Set Covers 15 Square Feet							
	Generic	90%			2028	\$10,800	1-3	\$54,600	

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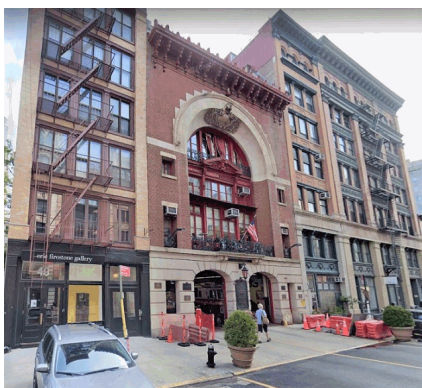
Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 29-Mar-2023 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 531 **Lot** : 49 **BIN** : 1008526

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$57,500	\$51,800
Interior Architecture	\$135,900	
Electrical		\$111,900
Total	\$193,500	\$163,700
Importance Code A	\$57,500	\$51,800
Importance Code B	\$135,900	\$111,900
Total	\$193,500	\$163,700

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$97,600		\$7,600	
Interior Architecture	\$63,100			\$1,700
Electrical	\$1,300	\$900	\$1,000	\$3,500
Mechanical	\$28,400	\$1,800	\$2,800	\$1,700
Total	\$190,500	\$2,700	\$11,400	\$6,900
Importance Code A	\$98,800	\$1,300	\$8,900	\$1,300
Importance Code B	\$70,300	\$1,400	\$2,500	\$5,000
Importance Code C	\$21,300			\$700
Total	\$190,500	\$2,700	\$11,400	\$6,900



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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	\$57,800		
Masonry: Granite	5%	4+	\$18,700	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	\$6,700		
Metal Panel	5%			2044	* *	5-10	\$15,300		
Metal Sect. OHD	10%			2047	* *	5	\$13,900		
Metal: Cage/Fence	5%			2039	* *	5	\$9,700		
Windows									
Aluminum	50%			2042	* *	5	\$1,300		
Wood	50%	Now	\$57,500	2059	* *	5	\$6,700		
Air Infiltration, Extent : Severe, Area Affected : 10%									
Location : 2nd Floor Front Office									
Unit Inoperable, Extent : Severe, Area Affected : 10%									
Location : 2nd Floor Front Office									
Other Observation, Extent : N/A, Area Affected : 20%									
Location : 2nd Floor Front Office									
Explanation : Wood Patio Door Window									
Parapets									
Masonry: Brick	65%	Now	\$23,200	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	\$17,900	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%			2049	* *	10	\$800		
Roof									
Asphalt Shingle	20%			2030	\$14,400	10	\$400		
Copper/Terne	20%			2049	* *	10	\$6,200		
Roll Roofing	60%	Now	\$5,200	2030	\$51,800	5	\$6,200		
Water Penetration, Extent : Moderate, Area Affected : 20%									
Location : 3rd Floor Ceiling									

Interior

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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	\$13,400	LIFE	**	5	\$16,100	
Other Observation, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Floor								
Explanation : Epoxy Paint Finish Is Cracking								
Ceramic Tile	5%			2043	**	5	\$900	
Quarry Tile	5%			2039	**	5	\$1,400	
Vinyl Tile	25%	Now	\$135,900	2044	**	3	\$1,700	
Broken/Missing Elements, Extent : Severe, Area Affected : 30%								
Location : 2nd And 3rd Floors								
Patching Evident, Extent : Severe, Area Affected : 30%								
Location : 2nd And 3rd Floors								
Uneven Substrate, Extent : Severe, Area Affected : 50%								
Location : 2nd And 3rd Floors								
Other Observation, Extent : Severe, Area Affected : 50%								
Location : 2nd And 3rd Floors								
Explanation : Vinyl Tiles Are Very Old, Deteriorated And Should Be Replaced.								
Wood	25%	0-2	\$14,700	2049	**	5	\$4,300	
Dry Rot/Decay, Extent : Severe, Area Affected : 10%								
Location : Attic								
Worn/Eroded, Extent : Severe, Area Affected : 20%								
Location : 3rd Floor Weight Room								
Interior Walls								
Ceramic Tile	5%			2043	**	5	\$1,400	
Concrete Masonry Unit	5%			LIFE	**	5	\$1,100	
Gypsum Board	5%			LIFE	**	5-10	\$2,300	
Masonry: Brick	20%			LIFE	**	10	\$1,600	
Plaster	40%	Now	\$14,200	LIFE	**	5	\$3,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
Location : 3rd Floor East And West Walls, 2nd Floor Locker Room								
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	**	10	\$3,400	
Ceilings								
Embossed Metal	75%	4+	\$9,600	LIFE	**	5	\$6,700	
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
Location : All Floors								
Paint Peeling, Extent : Moderate, Area Affected : 10%								
Location : 2nd Floor								
Gypsum Board	5%			LIFE	**	5-10	\$3,400	
Masonry: Infill Arch	20%			LIFE	**	10	\$2,000	
Site Enclosure								
Retaining Walls								
Masonry: Brick	100%			2044	**			

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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

Public Sidewalk

Cast in Place Concrete 100%

2047

* *

Parking/Driveway

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%

2044

* *

5

\$100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 400 Ampere Main Disconnect Switch Switch*

Switchgear / Switchboard

Fused Disc Sw

100%

2044

* *

5

\$100

Raceway

Conduit

100%

2044

* *

1

Panelboards

Molded Case Bkrs

75%

2042

* *

5

\$300

Molded Case Bkrs

25%

2050

* *

5

\$100

Wiring

Thermoplastic

70%

2044

* *

1

Thermoplastic

30%

2054

* *

1

Motor Controllers

Locally Mounted

100%

2039

* *

5

\$100

Ground

Grounding Devices

Generic

100%

LIFE

* *

5

\$400

Stand-by Power

Transfer Switches

Automatic

100%

2047

* *

1

\$3,900

Generators

Diesel

100%

2043

* *

1

\$4,900

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 62 Kilowatts*

Batteries

Lead/Acid

100%

2028

\$2,600

5

\$500

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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
Stand-by Power									
	Fuel Storage								
	Day Tank	30%			2050	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : One 75 Gallon Tank							
	Main Tank	70%			2074	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Recently Installed							
Lighting									
	Interior Lighting								
	Fluorescent	95%			2034	\$111,900	10	\$11,000	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Throughout The Building							
	Incandescent	5%			2029	\$8,400	2		
	Egress Lighting								
	Emergency, Service	70%			2034	\$5,800	1		
	Exit, Service	30%			2034	\$1,800	1		
	Exterior Lighting								
	HID	30%			2039	* *	10		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Outside Perimeter							
		Explanation : Operated Via Timer And Switches							
	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%			2044	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2039	* *	1	\$12,500	
	Distribution								
	Steam Piping/Pump	100%			2044	* *			
	Terminal Devices								
	Convactor/Radiator	90%			2039	* *	1	\$3,700	
	Unit Heater - Steam	10%	Now	\$1,500	2034	\$7,700	4	\$100	
		Other Observation, Extent : Moderate, Area Affected : 30%							
		Location : 1st Floor							
		Explanation : No Controls							
Air Conditioning									
	Energy Source								
	Electricity	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. 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
Air Conditioning									
	Conversion Equipment								
	Window/Wall Unit	30%			2029	\$15,400	1		
	No Component	70%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$11,200	
	Exhaust Fans								
	Roof	30%	2-4	\$3,900	2034	\$7,900	2	\$100	
		Not in Service, Extent : Severe, Area Affected : 100%							
		Location : Mens And Womens Bathroom On The 2nd Floor. No Ventilation In Bathrooms							
	Roof	60%			2039	* *	2	\$200	
	Roof	10%			2034	\$2,600	2		
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2044	* *	1		
		Booster Pump w/Tank, Extent : Light, Area Affected : 100%							
		Location : Basement							
	Water Heater With Tanks								
	Gas Fired	100%			2029	\$36,600	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon Units							
	Sanitary Piping								
	Cast Iron	100%	Now	\$17,100	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%			2032	\$300	1-3	\$1,100	
		Other Observation, Extent : Light, Area Affected : 10%							
		Location : Kitchen							
		Explanation : 1 Set Fire Suppression System Over The Hood Covers 30 Square Feet (6x5).							

*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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 09-Nov-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 6580 **Lot** : 6 **BIN** : 3173419

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture		\$127,200
Electrical		\$63,500
Mechanical		\$96,500
Total		\$287,200
Importance Code B		\$287,200
Total		\$287,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$29,100		\$5,300	
Interior Architecture	\$73,700		\$1,400	\$700
Electrical	\$5,400			\$100
Mechanical	\$8,600	\$800	\$700	\$600
Total	\$116,800	\$800	\$7,400	\$1,400
Importance Code A	\$29,500	\$400	\$5,700	\$400
Importance Code B	\$84,400	\$400	\$1,700	\$800
Importance Code C	\$2,900			\$200
Total	\$116,800	\$800	\$7,400	\$1,400



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

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 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%			2044	* *	10	\$2,000	
	Masonry: Brick	60%			LIFE	* *	5	\$25,500	
Broken/Missing Elements, Extent : Light, Area Affected : 2%									
Location : At Building Corner									
	Wood Overhead Doors	10%			2047	* *	5	\$10,600	
Windows									
	Aluminum	100%			2050	* *	5	\$500	
Parapets									
	Cast Stone/Terra Cotta	10%			LIFE	* *	5-10	\$3,500	
	Masonry: Brick	90%			LIFE	* *	5-10	\$7,600	
Roof									
	Asphalt Shingle	30%			2043	* *	10	\$500	
	Modified Bitumen	40%	Now	\$4,400	2034	\$44,100			
Water Penetration, Extent : Moderate, Area Affected : 5%									
Location : Over Locker Room Area									
Other Observation, Extent : Severe, Area Affected : 15%									
Location : Roof									
Explanation : Steel Bracing Support Penetration At Roof Possible Source Of Leaks During Heavy Rain.									
	Roll Roofing	30%			2030	\$19,600	5	\$5,200	
Soffits									
	Stucco Cement	100%			2047	* *	5		
Interior									
Floors									
	Cast in Place Concrete	40%	0-2	\$7,200	LIFE	* *	5	\$9,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%									
Location : Apparatus Room									
Paint Peeling, Extent : Moderate, Area Affected : 10%									
Location : Various Locations									
Other Observation, Extent : Moderate, Area Affected : 5%									
Location : Bollards At Front									
Explanation : Cracks And Crumbling Condition									
	Ceramic Tile	5%			2043	* *	5	\$500	
	Vinyl Tile	30%			2039	* *	3	\$1,200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%									
Location : Various Locations									
	Vinyl Tile 9" X 9"	15%	Now	\$2,500	2029	\$127,200	3	\$600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%									
Location : Various Locations									
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%									
Location : 2nd Floor Corridor And Bunk Room									
	Wood	10%			2062	* *	5	\$2,000	

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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									
Interior Walls									
	Cast in Place Concrete	5%			LIFE	**	10	\$600	
	Ceramic Tile	10%			2043	**	5	\$500	
	Concrete Masonry Unit	15%			LIFE	**	5	\$600	
	Gypsum Board	15%			LIFE	**	5-10	\$1,200	
	Plaster	10%			LIFE	**	5-10	\$400	
	SGFT/Glazed Masonry	45%			LIFE	**	10	\$1,000	
Ceilings									
	AcousTileSusp.Lay-In	20%	Now	\$1,800	2047	**	5	\$1,100	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : Throughout							
		Staining/Discoloring, Extent : Light, Area Affected : 5%							
		Location : Throughout							
	Exposed Struc: Concrete	15%	Now	\$47,700	LIFE	**	5	\$300	
		Water Penetration, Extent : Severe, Area Affected : 20%							
		Location : Basement							
		Other Observation, Extent : Severe, Area Affected : 20%							
		Location : Basement							
		Explanation : Above The Voice Alarm Panel Is A Crack On The Slab, Which Leaks During Heavy Rain							
	Gypsum Board	15%			LIFE	**	5-10	\$5,600	
	Plaster	50%	Now	\$8,100	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%			2060	**			
Site Pavements									
Public Sidewalk									
	Cast in Place Concrete	100%			2047	**			
		Cracking/Crumbling, Extent : Light, Area Affected : 5%							
		Location : Front Sidewalk							
On-Site Walkways									
	Cast in Place Concrete	100%			2047	**			
Parking/Driveway									
	Cast in Place Concrete	100%			2047	**			

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

Under 600 Volts

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. 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								
Service Equipment								
Not Accessible	100%							
Switchgear / Switchboard								
Fused Disc Sw	100%			2034	\$63,500	5		
Raceway								
Conduit	100%			2034	\$36,000	1		
Panelboards								
Molded Case Bkrs	100%			2033	\$48,500	5	\$200	
Wiring								
Thermoplastic	100%			2034	\$32,500	1		
Motor Controllers								
Locally Mounted	100%			2032	\$17,800	5	\$100	
Ground								
Grounding Devices								
Generic	100%			LIFE	**	5	\$200	
Other Observation, Extent : N/A, Area Affected : 100%								
Location : Basement								
Explanation : Water Main								
Lighting								
Interior Lighting								
Fluorescent	20%	0-2	\$5,300	2044	**			
Malfunctioning, Extent : Moderate, Area Affected : 100%								
Location : Apparatus Room								
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Apparatus Room								
LED	80%			2039	**			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout Building								
Explanation : LED Lighting Fixtures Installed.								
Exterior Lighting								
LED	20%			2034	\$8,100			
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%			2044	**	1		
Conversion Equipment								
Hot Water Boiler	100%			2047	**	1	\$3,800	
Distribution								
Hot Wtr Piping/Pump	100%			2050	**	4	\$600	
Terminal Devices								
Convactor/Radiator	30%			2047	**	1	\$800	
Convactor/Radiator	70%			2039	**	1	\$1,800	

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

FIRE DEPARTMENT - 057
ENGINE CO. 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
Air Conditioning									
	Energy Source								
	Electricity	100%			2042	* *	1		
	Conversion Equipment								
	Window/Wall Unit	100%			2032	\$28,600	1		
Ventilation									
	Exhaust Fans								
	Interior	40%			2029	\$13,400	2	\$100	
	Roof	30%			2029	\$4,400	2	\$100	
	Wall Unit	30%	0-2	\$1,000	2044	* *	2	\$100	
	Malfunctioning, Extent : Severe, Area Affected : 100%								
	Location : Apparatus Floor								
Plumbing									
	H/C Water Piping								
	Galvanized Steel	100%	0-2	\$4,800	2032	\$96,500	1		
	Broken, Extent : Severe, Area Affected : 10%								
	Location : Water Main Valve								
	Corroded, Extent : Moderate, Area Affected : 5%								
	Location : Shut Off Valve								
	Water Heater With Tanks								
	Electric	100%			2029	\$23,100	4		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : 2nd Floor Janitors Closet								
	Explanation : One Unit								
	Sanitary Piping								
	Cast Iron	100%	0-2	\$1,900	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%	2-4	\$200	2029	\$200	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								

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Estimates are rounded to the nearest hundred dollars.
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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 331/LADDER CO. 173
Address : 158-57 CROSS BAY BOULEVARD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSECO.331 / 13213 **Yr Built/Renovated** : 1966 / 2003
Area Sq Ft : 8,732 **Project Type** : FIRE DEPARTMENT
Date of Survey : 25-Feb-2022 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 14163 **Lot** : 101 **BIN** : 4295071

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$66,200	\$73,400
Electrical		\$51,900
Mechanical		\$311,100
Total	\$66,200	\$436,300
Importance Code A	\$66,200	\$73,400
Importance Code B		\$362,900
Total	\$66,200	\$436,300

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$20,800	\$500	\$9,600	\$9,200
Interior Architecture	\$82,500	\$1,200	\$500	\$400
Electrical	\$600	\$600	\$3,200	\$700
Mechanical	\$26,900	\$5,300	\$5,200	\$48,100
Total	\$130,900	\$7,600	\$18,500	\$58,500
Importance Code A	\$25,300	\$900	\$10,100	\$9,600
Importance Code B	\$45,400	\$6,700	\$8,000	\$48,900
Importance Code C	\$60,100		\$500	
Total	\$130,900	\$7,600	\$18,500	\$58,500



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

FIRE DEPARTMENT - 057
ENGINE CO. 331/LADDER CO. 173
Asset # : 13213

Architecture		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior									
Exterior Walls									
	Alum/Vinyl Siding	5%			2053	**	10	\$300	
	Masonry: Brick	85%	Now	\$66,200	LIFE	**	5	\$16,500	
	Cracking/Crumbling, Extent : Light, Area Affected : 5%								
	Location : Throughout								
	Water Penetration, Extent : Moderate, Area Affected : 5%								
	Location : Bunk Rooms And Stairs								
	Metal Sect. OHD	10%	Now	\$13,700	2038	**	5	\$3,000	
	Deformed/Dented, Extent : Moderate, Area Affected : 15%								
	Location : Base Of Overhead Door								
Windows									
	Aluminum	95%	Now	\$7,100	2041	**	5	\$800	
	Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 15%								
	Location : Shower Room And 2nd Floor Offices								
	Caulking Deteriorated, Extent : Severe, Area Affected : 15%								
	Location : Throughout								
	Unit Inoperable, Extent : Moderate, Area Affected : 10%								
	Location : Throughout								
	Metal Louvers	5%			2036	**	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%			2038	**	5-10	\$15,100	
Roof									
	Asphalt Shingle	10%			2042	**	10	\$200	
	Roll Roofing	85%			2032	\$73,400	5	\$19,300	
	Skylight, Metal/Glass	5%			2053	**	10	\$2,300	
Interior									
Floors									
	Cast in Place Concrete	40%	0-2	\$19,800	LIFE	**	5	\$10,400	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
	Location : Rear Apparatus Floor								
	Ceramic Tile	8%	Now	\$2,600	2046	**	5	\$500	
	Water Penetration, Extent : Moderate, Area Affected : 5%								
	Location : Shower Into Mechanical Room								
	Quarry Tile	5%			2038	**	5	\$900	
	Terrazzo	4%			LIFE	**	5	\$400	
	Vinyl Tile	43%			2041	**	3	\$1,900	

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Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
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%			2042	**	5	\$900	
Concrete Masonry Unit	40%	Now	\$33,800	LIFE	**	5	\$2,900	

Water Penetration, Extent : Severe, Area Affected : 10%

Location : Stairwell

Plaster	20%	0-2	\$26,300	LIFE	**	5	\$1,100	
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Cracking/Crumbling, Extent : Severe, Area Affected : 35%

Location : 2nd Floor

Water Penetration, Extent : Severe, Area Affected : 10%

Location : 2nd Floor

SGFT/Glazed Masonry	35%			LIFE	**			
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Ceilings

AcousTileSusp.Lay-In	10%			2046	**	5	\$1,100	
Exposed Struc: Concrete	35%			LIFE	**	5	\$600	
Gypsum Board	10%			LIFE	**	5	\$1,400	
Plaster	45%			LIFE	**	5	\$3,200	

Site Pavements

Public Sidewalk

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

Cast in Place Concrete	100%			2046	**			
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Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2053	**	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Electrical Room</i>								
<i>Explanation : Main Service Disconnect Switch Rated At 400 Amperes.</i>								

Switchgear / Switchboard

Molded Case Bkrs	100%			2053	**	5	\$200	
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Raceway

Conduit	80%			2053	**	1		
Conduit	20%			2033		1	\$7,200	

Panelboards

Molded Case Bkrs	20%			2032		5		
Molded Case Bkrs	80%			2049	**	5	\$200	

Wiring

Thermoplastic	80%			2053	**	1		
Thermoplastic	20%			2033		1	\$6,500	

Motor Controllers

Locally Mounted	100%			2031		5	\$17,800	\$100
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Ground

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Estimates are rounded to the nearest hundred dollars.

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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
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
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 Amperes								
	Batteries								
	Lead/Acid	100%			2027	\$2,400	5	\$300	
Lighting									
	Interior Lighting								
	Fluorescent	70%			2033	\$51,900	10	\$5,600	
	T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
	Location : Throughout The Building								
	LED	30%			2038	* *			
	Egress Lighting								
	Emergency, Service	50%			2038	* *	1		
	Exit, LED	50%			2061	* *	1		
	Exterior Lighting								
	LED	30%			2038	* *			
	No Component	70%							

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Energy Source								
	Natural Gas	100%			2043	* *	1		
	Conversion Equipment								
	Hot Water Boiler	100%	0-2	\$4,500	2046	* *	1	\$3,900	
	Not in Service, Extent : Moderate, Area Affected : 25%								
	Location : No.3 Unit, 1st Floor Mechanical Room								
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : 1st Floor Mechanical Room								
	Explanation : 4 Units								
	Distribution								
	Hot Wtr Piping/Pump	100%			2041	* *	4	\$600	
	Terminal Devices								
	Convector/Radiator	60%			2038	* *	1	\$1,700	
	Unit Heater - Steam	40%			2028	\$19,400	4	\$300	
Air Conditioning									
	Energy Source								
	Electricity	100%			2041	* *	1		

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

Mechanical		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%			2038	* *	1	\$1,200	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Roof							
		Explanation : 1 Unit. R-410a Refrigerant							
	Window/Wall Unit	20%			2028	\$6,500	1		
	Window/Wall Unit	10%	0-2	\$3,200	2033	\$3,200	1		
		Not in Service, Extent : Moderate, Area Affected : 100%							
		Location : 2nd Floor							
		On Extended Life, Extent : Moderate, Area Affected : 100%							
		Location : 2nd Floor							
	No Component	40%							
Terminal Devices									
	Fan Coil - 2 Pipe	30%			2041	* *	1	\$900	
	No Component	70%							
Heat Rejection									
	Air Cooled Condenser Unit	30%			2038	* *	2	\$1,800	
	No Component	70%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	40%			LIFE	* *	2-5	\$2,000	
	No Component	60%							
Exhaust Fans									
	Interior	30%	Now	\$1,100	2038	* *	2	\$100	
		Abandoned in Place, Extent : Severe, Area Affected : 5%							
		Location : Kitchen Hood							
	Roof	10%			2038	* *	2		
	No Component	60%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2043	* *	1		
Water Heater With Tanks									
	Gas Fired	50%			2031	\$16,700	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Mechanical Room							
		Explanation : One 75 Gallons Unit							
	Solar	10%	Now	\$3,100	2031	\$62,200	1		
		Broken/Missing Elements, Extent : Moderate, Area Affected : 5%							
		Location : Roof							
		Not in Service, Extent : Severe, Area Affected : 100%							
		Location : Roof							
	Solar	40%			2031	\$248,800	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 331/LADDER CO. 173
Asset # : 13213

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Plumbing	Sanitary Piping							
	Cast Iron	100%	0-2	\$5,400	LIFE	* *	1	
	<i>Blockage /Clogged, Extent : Moderate, Area Affected : 30%</i>							
	<i>Location : Water Backs Up To Apparatus Floor</i>							
	Storm Drain Piping							
	Cast Iron	100%			LIFE	* *	1	
	Fixtures							
	Generic	100%						
Fire Suppression	Chemical System							
	Generic	100%			2028	\$12,000	1-3	\$60,700
	<i>Other Observation, Extent : N/A, Area Affected : 100%</i>							
	<i>Location : Kitchen</i>							
		<i>Explanation : 1 Set Covers 15 Square Feet</i>						

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 332/LADDER CO. 175 / RAC 2
Address : 165 BRADFORD STREET
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.332 / 13214 **Yr Built/Renovated** : 1984 / 2009
Area Sq Ft : 7,789 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Nov-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3691 **Lot** : 1 **BIN** : 3083579

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$212,600	
Interior Architecture	\$53,300	\$94,400
Mechanical		\$188,600
Site Enclosure	\$59,300	
Site Pavements	\$178,200	
Total	\$503,400	\$283,000
Importance Code A	\$212,600	
Importance Code B	\$53,300	\$283,000
Importance Code C	\$237,600	
Total	\$503,400	\$283,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$15,800	\$14,500		\$1,700
Interior Architecture	\$50,300	\$700		\$900
Electrical	\$50,100	\$3,100	\$600	\$1,300
Mechanical	\$78,400	\$10,300	\$11,400	\$60,400
Total	\$194,600	\$28,600	\$12,000	\$64,200
Importance Code A	\$16,200	\$14,900	\$400	\$2,100
Importance Code B	\$151,600	\$13,600	\$11,600	\$62,100
Importance Code C	\$26,900	\$200		
Total	\$194,600	\$28,600	\$12,000	\$64,200



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. 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%			2053	* *	10	\$200	
	Concrete Masonry Unit	75%	Now	\$95,900	LIFE	* *	5	\$5,700	
	Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
	Location : Front Facade At Doors Impact Damage, Rear Facade								
	Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
	Location : Front Facade								
	Misaligned/Bulging, Extent : Severe, Area Affected : 5%								
	Location : Front Facade								
	Metal Sect. OHD	10%			2050	* *	5	\$3,800	
	Recent Replace Evident, Extent : N/A, Area Affected : 10%								
	Location : Front Facade								
	Metal Coiling Doors	10%	2-4	\$12,700	2038	* *	5	\$1,900	
	Corrosion/Rusting, Extent : Moderate, Area Affected : 10%								
	Location : Coiling Door Housing At Rear Of Building								
Windows									
	Aluminum	100%	Now	\$1,200	2032	\$23,700	5	\$300	
	Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 2%								
	Location : Front Office								
	Water Penetration, Extent : Moderate, Area Affected : 2%								
	Location : Weight Room								
Parapets									
	Metal Panel	40%			2043	* *	5	\$3,400	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : At Roof								
	Explanation : Metal Coping								
	Metal Rail	60%			2046	* *	5-10	\$24,000	
Roof									
	Modified Bitumen	100%	Now	\$116,700	2043	* *			
	Alligatoring, Extent : Severe, Area Affected : 10%								
	Location : At Seams								
	Debris Present, Extent : Moderate, Area Affected : 15%								
	Location : 2 Story Roof								
	Patching Evident, Extent : Severe, Area Affected : 5%								
	Location : Main Roof								
	Water Penetration, Extent : Moderate, Area Affected : 10%								
	Location : Low Roof								
Soffits									
	Alum/Vinyl Siding	100%			2053	* *	10		

Interior

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FIRE DEPARTMENT - 057
ENGINE CO. 332/LADDER CO. 175 / RAC 2
Asset # : 13214

Architecture		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Interior									
Floors									
Cast in Place Concrete	55%	Now	\$53,300	LIFE	* *	5	\$14,000		
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%									
Location : Apparatus Floor									
Ceramic Tile	10%			2036	* *	5	\$1,200		
Quarry Tile	5%			2038	* *	5	\$900		
Vinyl Tile	30%	Now	\$9,400	2033	\$94,400	3	\$1,300		
Worn/Eroded, Extent : Light, Area Affected : 20%									
Location : Throughout 2nd Floor And 1st Floor									
Interior Walls									
Cast in Place Concrete	10%			LIFE	* *				
Ceramic Tile	5%			2036	* *	5	\$300		
Concrete Masonry Unit	45%	Now	\$26,900	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	\$1,900	2038	* *	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	\$10,900	LIFE	* *				
Other Observation, Extent : Light, Area Affected : 10%									
Location : Basement									
Explanation : Missing Fireproofing									
Gypsum Board	30%	Now	\$1,200	LIFE	* *	5	\$4,400		
Cracking/Crumbling, Extent : Severe, Area Affected : 2%									
Location : Television Room At Window									
Site Enclosure									
Fence/Gates									
Chain Link	90%	Now	\$59,300	2043	* *				
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%			2068	* *				
Site Pavements									
Public Sidewalk									
Cast in Place Concrete	100%			2046	* *				

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FIRE DEPARTMENT - 057
ENGINE CO. 332/LADDER CO. 175 / RAC 2
Asset # : 13214

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

Site Pavements

Parking/Driveway

Asphalt

95% Now \$178,200 2036 * *

Cracking/Crumbling, Extent : Moderate, Area Affected : 50%
Location : Parking Lot Area

Cast in Place Concrete

5% 2046 * *

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

Under 600 Volts

Service Equipment

Fused Disc Sw

100% 2043 * * 5

Other Observation, Extent : Light, Area Affected : 100%
Location : Basement
Explanation : One 400 Ampere Main Disconnect Switch

Raceway

Conduit

80% 2043 * * 1

Conduit

20% 2053 * * 1

Panelboards

Fused Disc Sw

5% 2032 \$2,400 5

Molded Case Bkrs

80% 2032 \$38,800 5 \$200

Molded Case Bkrs

15% 2049 * * 5

Wiring

Thermoplastic

80% 2033 \$26,000 1

Thermoplastic

20% 2053 * * 1

Motor Controllers

Locally Mounted

100% 2031 \$17,800 5 \$100

Ground

Grounding Devices

Generic

100% LIFE * * 5 \$100

Stand-by Power

Transfer Switches

Automatic

100% 2046 * * 1 \$2,400

Generators

Diesel

50% 2042 * * 1 \$1,500

Other Observation, Extent : Light, Area Affected : 100%
Location : Outside
Explanation : 150 Kilowatts

Diesel

50% Now \$49,700 2048 * * 1 \$1,400

Abandoned In Place, Extent : Severe, Area Affected : 100%
Location : Basement

Batteries

Lead/Acid

100% 2026 \$2,400 5 \$300

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FIRE DEPARTMENT - 057
ENGINE CO. 332/LADDER CO. 175 / RAC 2
Asset # : 13214

Electrical		Current Repair			Future Replacement		Maintenance		
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%

2048

* *

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Backyard**Explanation : 500 Gallon Tank*

Lighting

Interior Lighting

Fluorescent

10%

2038

* *

10

\$700

*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : Basement*

LED

90%

2038

* *

Egress Lighting

Emergency, Service

60%

2038

* *

1

Exit, Service

40%

2038

* *

1

Exterior Lighting

LED

20%

2038

* *

No Component

80%

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

Heating

Energy Source

Natural Gas

100%

2053

* *

1

Conversion Equipment

Furnace

10%

2038

* *

1

\$400

*Other Observation, Extent : Light, Area Affected : 100%**Location : 1st Floor**Explanation : Gasoline Fire Unit Heaters Serve Air Bottle Fill Area*

Hot Water Boiler

90%

2046

* *

1

\$3,500

Distribution

Hot Wtr Piping/Pump

100%

0-2

\$1,700

2041

* *

4

\$400

*Broken, Extent : Moderate, Area Affected : 10%**Location : Basement. One Circulating Pump Broken Bearing*

Terminal Devices

Fan Coil Unit/Heat

100%

Now

\$37,700

2033

\$188,600

1

\$2,300

*Broken, Extent : Severe, Area Affected : 100%**Location : Throughout*

Air Conditioning

Energy Source

Electricity

100%

2049

* *

1

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FIRE DEPARTMENT - 057
ENGINE CO. 332/LADDER CO. 175 / RAC 2
Asset # : 13214

Mechanical		Current Repair			Future Replacement		Maintenance		
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%			2038	* *	2	\$100	
	Window/Wall Unit	40%			2031	\$11,500	1		
	Window/Wall Unit	20%	Now	\$5,800	2033	\$5,800	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%	0-2	\$1,700	2033	\$16,900	2	\$100	
		Malfunctioning, Extent : Moderate, Area Affected : 10%							
		Location : Kitchen Exhaust Is Not Working							
	Roof	50%			2038	* *	2	\$100	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2043	* *	1		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : 2 Booster Pumps							
Water Heater With Tanks									
	Gas Fired	100%			2028	\$33,400	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon Units							
Sanitary Piping									
	Cast Iron	100%	0-2	\$4,800	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 5%							
		Location : Apparatus Room Blockage, Clogged Drain							
Storm Drain Piping									
	Cast Iron	100%			LIFE	* *	1		
Backflow Preventer									
	No Component	95%							
	Generic	5%			2033	\$200	1		
Fixtures									
	Generic	100%							
Fire Suppression									

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Maintenance \$ are aggregated over a ten-year period. Site specific 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
Fire Suppression									
	Sprinkler								
	No Component	90%							
	Generic	10%			2043	* *	1-2	\$200	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : 1st And 2nd Floor							
		Explanation : Serves Stair And Corridor Only							
Chemical System									
	Wet	100%			2031	\$27,900	1-3	\$162,600	
		Other Observation, Extent : Light, Area Affected : 5%							
		Location : Kitchen Covers 35 Square Feet							
		Explanation : Kitchen Fire Suppression							

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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 34/ LADDER CO. 21
Address : 440 WEST 38th STREET BTWN: 9TH AVE. - 10TH AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.034 / 13022 **Yr Built/Renovated** : 1937 / 1998
Area Sq Ft : 9,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Nov-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 735 **Lot** : 61 **BIN** : 1012982

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$58,300	\$84,800
Mechanical		\$142,300
Total	\$58,300	\$227,000
Importance Code A	\$58,300	\$84,800
Importance Code B		\$142,300
Total	\$58,300	\$227,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$127,100			
Interior Architecture	\$72,500		\$200	\$500
Electrical	\$700	\$600	\$9,500	\$800
Mechanical	\$15,700	\$1,200	\$9,000	\$1,200
Site Pavements	\$700			
Total	\$216,900	\$1,800	\$18,600	\$2,500
Importance Code A	\$128,000	\$900	\$900	\$900
Importance Code B	\$44,500	\$900	\$17,700	\$1,600
Importance Code C	\$44,300			
Total	\$216,900	\$1,800	\$18,600	\$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. 34/ LADDER CO. 21
Asset # : 13022

Architecture		Current Repair		Future Replacement		Maintenance		Priority	
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)		
Exterior									
Exterior Walls									
	Cast in Place Concrete	20%	Now	\$58,300	LIFE	* *	5	\$24,900	
<i>Water Penetration, Extent : Severe, Area Affected : 35%</i>									
<i>Location : 38th Street And Side Yard</i>									
	Masonry: Brick	45%	0-2	\$18,100	LIFE	* *	5	\$11,200	
<i>Expansion Joint Failure, Extent : Moderate, Area Affected : 5%</i>									
<i>Location : West Property Line</i>									
<i>Staining/Discoloring, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : North Facade</i>									
	Masonry: Limestone	10%			LIFE	* *	5	\$1,900	
	Metal Sect. OHD	20%			2045	* *	5	\$15,600	
	Granite Panels	5%			LIFE	* *	5	\$900	
Windows									
	Aluminum	100%	Now	\$33,700	2048	* *	5	\$700	
<i>Air Infiltration, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Throughout</i>									
<i>Hardware Missing, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Throughout</i>									
<i>Caulking Deteriorated, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : Throughout</i>									
<i>Water Penetration, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Throughout</i>									
Parapets									
	Masonry: Brick	80%			LIFE	* *	5	\$1,900	
	Masonry: Limestone	20%			LIFE	* *	5	\$600	

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FIRE DEPARTMENT - 057
ENGINE CO. 34/ LADDER CO. 21
Asset # : 13022

Architecture		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior									
Roof									
	Modified Bitumen	65%	Now	\$25,400	2032	\$84,800			
	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%	4+	\$2,000	2037	* *			
	Worn/Eroded, Extent : Light, Area Affected : 15%								
	Location : Throughout								
	Skylight, Metal/Glass	2%	Now	\$40,200	2062	* *			
	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									
Floors									
	Cast in Place Concrete	40%			LIFE	* *	5	\$11,400	
	Ceramic Tile	20%	Now	\$2,900	2041	* *	5	\$1,300	
	Broken/Missing Elements, Extent : Light, Area Affected : 2%								
	Location : First Floor Bathroom								
	Quarry Tile	5%	4+	\$900	2037	* *	5	\$500	
	Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 2%								
	Location : Kitchen								
	Terrazzo	5%			LIFE	* *	5	\$500	
	Cracking/Crumbling, Extent : Light, Area Affected : 0%								
	Location : 2nd Floor								
	Vinyl Tile	30%	Now	\$5,300	2037	* *	3	\$1,500	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
	Location : Throughout								
	Worn/Eroded, Extent : Moderate, Area Affected : 10%								
	Location : Cellar								

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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
Interior									
Interior Walls									
	Ceramic Tile	5%	Now	\$23,300	2047	* *	5	\$400	
		Loose Units, Extent : Severe, Area Affected : 100%							
		Location : First Floor Bathroom							
	Concrete Masonry Unit	20%			LIFE	* *	5	\$1,200	
	Gypsum Board	20%			LIFE	* *	5	\$1,700	
	Plaster	30%	Now	\$5,200	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. Stairs							
	SGFT/Glazed Masonry	25%	Now	\$15,900	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%			2037	* *	5	\$300	
		Staining/Discoloring, Extent : Severe, Area Affected : 5%							
		Location : 2nd Floor Street Front, Kitchen							
	Exposed Struc: Concrete	35%	4+	\$15,500	LIFE	* *	5	\$300	
		Other Observation, Extent : Light, Area Affected : 10%							
		Location : Basement Ceiling							
		Explanation : Loose And Falling Fireproofing							
	Exposed Struc: Steel	20%			LIFE	* *			
	Plaster	40%	Now	\$3,600	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 Pavements									
Public Sidewalk									
	Cast in Place Concrete	100%	2-4	\$200	2045	* *			
		Cracking/Crumbling, Extent : Light, Area Affected : 5%							
		Location : Front At Bollard							
Parking/Driveway									
	Cast in Place Concrete	100%			2045	* *			
Activity Yard									
	Cast in Place Concrete	100%	4+	\$500	2045	* *			
		Cracking/Crumbling, Extent : Moderate, Area Affected : 50%							
		Location : Throughout							

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FIRE DEPARTMENT - 057
ENGINE CO. 34/ LADDER CO. 21
Asset # : 13022

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% 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%			2062	* *	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : One 400 Ampere Main Disconnect Switch							
	Switchgear / Switchboard								
	Fused Disc Sw	100%			2052	* *	5		
	Raceway								
	Conduit	100%			2052	* *	1		
	Panelboards								
	Fused Disc Sw	5%			2031	\$2,400	5		
	Molded Case Bkrs	75%			2048	* *	5	\$200	
	Molded Case Bkrs	20%			2031	\$9,700	5		
	Wiring								
	Thermoplastic	75%			2052	* *	1		
	Thermoplastic	25%			2032	\$8,100	1		
	Motor Controllers								
	Locally Mounted	100%			2045	* *	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Lighting									
	Interior Lighting								
	Fluorescent	95%			2037	* *	10	\$7,800	
		Other Observation, Extent : N/A, Area Affected : 95%							
		Location : Throughout The Building							
		Explanation : T-8 Lamps							
	LED	5%			2040	* *			
		Recent Installation, Extent : N/A, Area Affected : 5%							
		Location : Aparatus Floor							
	Egress Lighting								
	Emergency, Battery	50%			2037	* *	10	\$1,100	
	Exit, Service	50%			2037	* *	1		
	Exterior Lighting								
	HID	100%			2037	* *	10		
Alarm									
	Security System								
	No Component	90%							
	Generic	10%			2037	* *	1	\$300	
	Fire/Smoke Detection								
	Generic, Analog	100%			2040	* *	1-3	\$5,700	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Aparatus Floor							
		Explanation : Fire Alarm Control Panel And Smoke, Heat Detectors On The Apparatus Floor.							

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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%			2052	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2045	* *	1	\$8,900	
	Distribution								
	Steam Piping/Pump	100%			2032	\$70,400			
				On Extended Life, Extent : Moderate, Area Affected : 100%					
				Location : Steam Supply And Condensate Return Piping Are Beyond Their Useful Life Rating					
				Other Observation, Extent : Light, Area Affected : 100%					
				Location : Throughout					
				Explanation : Gravity Condensate Return Piping Observed					
	Terminal Devices								
	Convector/Radiator	100%			2030	\$71,900	1	\$2,900	
				On Extended Life, Extent : Moderate, Area Affected : 100%					
				Location : Throughout, Terminal Heating Equipment Are Beyond Their Useful Life Rating					
Air Conditioning									
	Energy Source								
	Electricity	100%			2048	* *	1		
	Conversion Equipment								
	Window/Wall Unit	25%			2025	\$8,300	1		
	Window/Wall Unit	25%	Now	\$5,000	2032	\$8,300	1		
				Malfunctioning, Extent : Moderate, Area Affected : 30%					
				Location : Various Spaces On The Second Floor, Multiple Mechanical, Electrical Defects					
	No Component	50%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	10%			LIFE	* *	2-5	\$500	
	No Component	90%							
	Exhaust Fans								
	Interior	10%			2032	\$3,900	2		
	Roof	5%	Now	\$900	2042	* *	2		
				Malfunctioning, Extent : Moderate, Area Affected : 100%					
				Location : Roof					
	Roof	45%			2027	\$7,700	2	\$100	
	No Component	40%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2042	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2030	\$16,700	2		
				Other Observation, Extent : Light, Area Affected : 100%					
				Location : Basement Mechanical Room					
				Explanation : Two 75 Gallon Tanks					

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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									
	Sanitary Piping								
	Cast Iron	25%			LIFE	* *	1		
	Cast Iron	75%			LIFE	* *	1		
On Extended Life, Extent : Light, Area Affected : 75%									
Location : Throughout, The Sanitary Piping Are Beyond Their Useful Life Cycle Rating									
Storm Drain Piping									
	Cast Iron	100%			LIFE	* *	1		
On Extended Life, Extent : Light, Area Affected : 100%									
Location : Throughout, The Storm Piping Are Beyond Their Useful Life Cycle Rating									
Sump Pump(s)									
	Submersible	100%			2025	\$300	4	\$300	
Other Observation, Extent : Moderate, Area Affected : 100%									
Location : Basement									
Explanation : The Pumps Lack Sufficient Capacity To Keep Up Whenever There Is A Storm Event.									
Backflow Preventer									
	No Component	95%							
	Generic	5%			2032	\$200	1		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement Mechanical Room									
Explanation : Serves Boiler Water Makeup Feed Only									
Fixtures									
	Generic	100%							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$140,400	
Interior Architecture	\$41,000	\$175,700
Electrical		\$219,500
Mechanical		\$113,100
Total	\$181,500	\$508,300
Importance Code A	\$140,400	\$176,600
Importance Code B	\$41,000	\$276,600
Importance Code C		\$55,100
Total	\$181,500	\$508,300

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$36,600	\$800		\$3,300
Interior Architecture	\$62,000	\$1,100	\$1,100	\$600
Electrical	\$200	\$15,900	\$100	\$100
Mechanical	\$19,100	\$47,700	\$7,100	\$7,800
Total	\$117,900	\$65,500	\$8,300	\$11,800
Importance Code A	\$37,200	\$1,500	\$500	\$3,800
Importance Code B	\$78,000	\$64,100	\$7,800	\$8,000
Importance Code C	\$2,800			
Total	\$117,900	\$65,500	\$8,300	\$11,800



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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	\$5,900	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Split Faced Finish								
Masonry: Brick Cavity	43%	0-2	\$15,300	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	\$55,000	2056	* *	5	\$600	1
Broken/Missing Elements, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Ctwt/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	\$9,300	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	\$1,100	
Pre-Cast Concrete	10%			LIFE	* *	5	\$1,700	
Stucco Cement	5%	2-4	\$800	2044	* *	5	\$200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%								
Location : Throughout Parapet								
Roof								
Modified Bitumen	20%			2039	* *	10	\$3,400	
Recent Installation, Extent : N/A, Area Affected : 100%								
Location : Roof Areas								
Roll Roofing	80%			2025	\$85,400	5	\$22,500	

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FIRE DEPARTMENT - 057
ENGINE CO. 35/ LADDER CO. 14/ BATTALION 12
Asset # : 13023

Architecture		Current Repair			Future Replacement		Maintenance		
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	\$25,800	3	\$2,200	
	Cast in Place Concrete	20%	Now	\$24,800	LIFE	* *	5	\$6,500	
Cracking/Crumbling, Extent : Severe, Area Affected : 20%									
Location : Apparatus Room									
	Cast in Place Concrete	20%			LIFE	* *	5	\$6,500	
	Ceramic Tile	5%			2027	\$41,000	5	\$700	
	Ceramic Tile	5%			2040	* *	5	\$700	
	Quarry Tile	10%			2036	* *	5	\$2,200	
	Vinyl Tile	30%	Now	\$2,400	2031	\$120,700	3	\$1,700	
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	\$2,800	2034	\$55,100	5	\$500	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%									
Location : First And Second Floor Bathrooms									
	Concrete Masonry Unit	35%			LIFE	* *	5	\$2,900	
	Gypsum Board	30%			LIFE	* *	5	\$3,700	
	SGFT/Glazed Masonry	30%			LIFE	* *			
Ceilings									
	AcousTileSusp.Lay-In	15%	0-2	\$700	2036	* *	5	\$1,100	
Worn/Eroded, Extent : Severe, Area Affected : 5%									
Location : 1st Floor Office									
	Exposed Struc: Concrete	15%			LIFE	* *	5	\$300	
	Plaster	70%	0-2	\$31,000	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

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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	\$63,500	5	\$300	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : One 400 Ampere Main Disconnect Switch							
	Switchgear / Switchboard								
	Molded Case Bkrs	100%			2031	\$63,500	5	\$300	
	Raceway								
	Conduit	95%			2031	\$34,200	1		
	Conduit	5%			2051	* *	1		
	Panelboards								
	Fused Disc Sw	5%			2030	\$2,400	5		
	Molded Case Bkrs	75%			2030	\$36,400	5	\$200	
	Molded Case Bkrs	20%			2039	* *	5	\$100	
	Wiring								
	Thermoplastic	90%			2031	\$29,300	1		
	Thermoplastic	10%			2041	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2029	\$17,800	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$200	
Lighting									
	Interior Lighting								
	Fluorescent	95%			2031	\$87,800	10	\$9,500	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Throughout The Building							
	Fluorescent	5%			2031	\$4,600	10	\$500	
		Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%							
		Location : Uniforms Room							
	Egress Lighting								
	Emergency, Battery	50%			2031	\$8,900	10	\$1,300	
	Exit, Service	50%			2031	\$2,300	1		
	Exterior Lighting								
	HID	20%			2026	\$9,900	10		
	No Component	80%							
Alarm									
	Fire/Smoke Detection								
	No Component	80%							
	Generic, Analog	20%			2026	\$5,500	1-3	\$1,300	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Throughout The Building							
		Explanation : Strobes, Bell, Horn, Fire Alarm Panel And Pull Box Station							

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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	\$113,100	1	\$5,400	
	Distribution								
	Hot Wtr Piping/Pump	100%			2039	**	4	\$500	
	Terminal Devices								
	Convactor/Radiator	75%			2036	**	1	\$2,600	
	Unit Heater - Steam	25%			2026	\$15,100	4	\$400	
Air Conditioning									
	Energy Source								
	Electricity	100%			2039	**	1		
	Conversion Equipment								
	Exterior Pkg Unit - Cooling	10%			2031	\$11,700	2	\$100	
		R-22 Refrigerant, Extent : Light, Area Affected : 10%							
		Location : Roof							
	Split Unit	10%			2036	**			
	Window/Wall Unit	40%	Now	\$9,700	2031	\$16,100	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	\$6,000	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	\$3,000	
	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	\$500	2031	\$4,700	2		
	Malfunctioning, Extent : Moderate, Area Affected : 100%							
	Location : Basement. Defective Blower Motor And Broken Belt							
Interior	40%	0-2	\$1,900	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 With Tanks								
Gas Fired	100%			2030	\$16,700	2		
	Recent Replace Evident, Extent : N/A, 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	\$300	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	\$2,100	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	\$7,400	1-2	\$200	
Chemical System								
Generic	100%			2026	\$15,900	1-3	\$74,400	
	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$270,700	\$80,400
Interior Architecture		\$338,900
Mechanical		\$178,700
Total	\$270,700	\$597,900
Importance Code A	\$270,700	\$202,600
Importance Code B		\$283,200
Importance Code C		\$112,100
Total	\$270,700	\$597,900

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$80,900	\$4,300		
Interior Architecture	\$56,400	\$600		\$700
Electrical		\$12,200	\$200	
Mechanical	\$43,600	\$33,700	\$8,100	\$12,800
Total	\$181,000	\$50,800	\$8,300	\$13,500
Importance Code A	\$93,200	\$4,900	\$600	\$600
Importance Code B	\$48,100	\$45,900	\$7,700	\$12,900
Importance Code C	\$39,700			
Total	\$181,000	\$50,800	\$8,300	\$13,500



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

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 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	\$87,600	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	\$2,600	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	\$3,200	LIFE	**	5	\$2,800	
	Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%								
	Location : Coping								
	Pre-Cast Concrete	80%	Now	\$45,900	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	\$10,900	2051	**	5	\$500	
	Cracking/Crumbling, Extent : Severe, Area Affected : 100%								
	Location : Inside Face Of Parapet Wall								
Roof									
	Built-Up (BUR)	100%	Now	\$18,300	2026	\$183,100			
	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								

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

FIRE DEPARTMENT - 057
ENGINE CO. 37
Asset # : 13025

Architecture		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior									
Floors									
	Cast in Place Concrete	50%	Now	\$12,600	LIFE	* *	5	\$16,600	
	Cracking/Crumbling, Extent : Severe, Area Affected : 15%								
	Location : Apparatus Floor								
	Misaligned/Bulging, Extent : Severe, Area Affected : 10%								
	Location : Apparatus Room								
	Ceramic Tile	10%			2034	\$83,500	5	\$1,500	
	Quarry Tile	5%			2036	* *	5	\$1,100	
	Vinyl Tile	35%	Now	\$2,900	2031	\$143,200	3	\$2,000	
	Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
	Location : Gymnasium Area								
Interior Walls									
	Cast in Place Concrete	10%	0-2	\$3,100	LIFE	* *			
	Paint Peeling, Extent : Moderate, Area Affected : 40%								
	Location : Basement								
	Ceramic Tile	10%			2034	\$112,100	5	\$2,100	
	Concrete Masonry Unit	40%			LIFE	* *	5	\$3,300	
	SGFT/Glazed Masonry	40%	0-2	\$36,600	LIFE	* *			
	Worn/Eroded, Extent : Moderate, Area Affected : 20%								
	Location : Base Of Wall. Stairs And Hallways								
Ceilings									
	AcousTileSusp.Lay-In	10%	4+	\$1,200	2036	* *	5	\$800	
	Staining/Discoloring, Extent : Moderate, Area Affected : 25%								
	Location : Kitchen								
	Exposed Struc: Concrete	20%			LIFE	* *	5	\$500	
	Gypsum Board	70%			LIFE	* *	5	\$13,300	
Site Enclosure									
	Fence/Gates								
	Chain Link	100%			2051	* *			
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%			2044	* *			
	On-Site Walkways								
	Cast in Place Concrete	100%			2044	* *			

Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts									
	Service Equipment								
	Fused Disc Sw	100%			2051	* *	5	\$100	
		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	

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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. 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	\$200	
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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** 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	\$12,200	2029	\$122,200	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	\$600	
	Terminal Devices								
	Convector/Radiator	60%			2029	\$56,400	1	\$2,300	
	Unit Heater - Steam	40%			2026	\$26,100	4	\$600	
Air Conditioning									
	Energy Source								
	Electricity	100%			2039	* *	1		
	Conversion Equipment								
	Exterior Pkg Unit - Cooling	10%			2031	\$12,600	2	\$100	
		R-22 Refrigerant, Extent : Light, Area Affected : 10%							
		Location : Lower Roof							
	Window/Wall Unit	20%			2029	\$8,700	1		
	No Component	70%							
	Heat Rejection								
	Air Cooled Condenser Unit	60%			2031	\$6,000	2	\$4,900	
	No Component	40%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	40%			LIFE	* *	2-5	\$2,600	
	No Component	60%							
	Exhaust Fans								
	Interior	20%			2031	\$10,200	2	\$100	
	Roof	20%	0-2	\$900	2036	* *	2	\$100	
		Malfunctioning, Extent : Moderate, Area Affected : 20%							
		Location : 2nd Floor Bathroom Defective Exhaust Fan							
	Wall Unit	20%			2026	\$1,000	2	\$100	
	Wall Unit	10%	Now	\$100	2031	\$500	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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*** 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 With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
		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	\$1,200	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	\$2,300	4	\$200	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2025	\$15,900	1-3	\$80,900	
		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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$318,500	
Interior Architecture		\$71,200
Total	\$318,500	\$71,200
Importance Code A	\$318,500	
Importance Code B		\$71,200
Total	\$318,500	\$71,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$21,500	\$9,500	\$900	
Interior Architecture	\$10,700	\$1,400		\$300
Electrical	\$7,500			
Mechanical	\$2,500	\$2,000	\$1,400	\$1,300
Site Pavements	\$5,400			
Total	\$47,600	\$12,900	\$2,300	\$1,700
Importance Code A	\$22,000	\$10,100	\$1,500	\$600
Importance Code B	\$22,400	\$2,800	\$800	\$1,100
Importance Code C	\$3,200			
Total	\$47,600	\$12,900	\$2,300	\$1,700



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 Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
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+	\$255,100	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	\$1,700	LIFE	**	5	\$900	
Broken/Missing Elements, Extent : Severe, Area Affected : 2%								
Location : Front Facade At Apparatus Entry								
Masonry: Limestone	5%	Now	\$17,400	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	\$63,400	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	\$2,300	LIFE	**	5	\$100	
Spalling, Extent : Moderate, Area Affected : 25%								
Location : Front Of Building								
Pre-Cast Concrete	5%			LIFE	**	5	\$600	
Roof								
Asphalt Shingle	10%			2040	**	10	\$200	
Modified Bitumen	87%			2036	**	10	\$8,100	
Skylight, Metal/Glass	3%			2041	**	10	\$900	
Interior								
Floors								
Cast in Place Concrete	48%	4+	\$7,000	LIFE	**	5	\$9,200	
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	\$100	
Vinyl Tile	30%			2031	\$71,200	3	\$1,300	
Wood	15%			2046	**	5	\$2,500	

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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. 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	* *			
Plaster	45%	Now	\$2,900	LIFE	* *	5	\$1,800	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
Location : Main Stair								
SGFT/Glazed Masonry	40%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	5%			2044	* *	5	\$500	
Exposed Struc: Concrete	25%			LIFE	* *	5	\$400	
Exposed Struc: Steel	10%			LIFE	* *			
Plaster	60%			LIFE	* *	5	\$3,700	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	Now	\$5,400	2044	* *			
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		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Under 600 Volts									
Service Equipment									
Fused Disc Sw	100%			2031	\$14,700	5			
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>									
Raceway									
Conduit	100%			2031	\$36,000	1			

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

Electrical		Current Repair			Future 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	\$1,500	5		
	Fused Disc Sw	2%	0-2	\$1,000	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	\$33,900	5	\$100	
	Molded Case Bkrs	25%			2030	\$12,100	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : Operational But Missing Cover									
Wiring									
	Braided Cloth	20%	2-4	\$6,500	2056	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%									
Location : Throughout The Building									
	Thermoplastic	80%			2031	\$26,000	1		
Motor Controllers									
	Locally Mounted	100%			2029	\$17,800	5		
Ground									
Grounding Devices									
	Generic	100%			LIFE	* *	5	\$100	
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		

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

FIRE DEPARTMENT - 057
ENGINE CO. 38/ LADDER CO. 51
Asset # : 13026

Mechanical		Current Repair			Future Replacement		Maintenance		
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								
	Convactor/Radiator	100%			2036	* *	1	\$1,900	
Air Conditioning									
	Energy Source								
	Electricity	100%			2047	* *	1		
	Conversion Equipment								
	Split Unit	25%			2036	* *			
	Window/Wall Unit	50%			2029	\$10,900	1		
	No Component	25%							
	Terminal Devices								
	Fan Coil - 2 Pipe	25%			2036	* *	1	\$500	
	No Component	75%							
Ventilation									
	Exhaust Fans								
	Roof	20%	0-2	\$200	2036	* *	2		
		Malfunctioning, Extent : Moderate, Area Affected : 50%							
		Location : Roof. Two Bathroom Exhaust Fan Malfunctioning Due To Defective Motor And Belt							
	Wall Unit	20%	0-2	\$500	2031	\$500	2		
		Malfunctioning, Extent : Severe, Area Affected : 100%							
		Location : Kitchen Exhaust Fan Malfunctioning							
	No Component	60%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2041	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon							
	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. 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	\$1,600	1-3	\$7,400	

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 01-Sep-2022 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Floors 1,2,3
Block : 1402 **Lot** : 29 **BIN** : 1072190

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture		\$143,600
Electrical		\$77,300
Mechanical	\$139,900	\$56,800
Total	\$139,900	\$277,700
Importance Code B	\$139,900	\$277,700
Total	\$139,900	\$277,700

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$12,900		\$6,100	
Interior Architecture	\$78,500		\$3,400	\$2,200
Electrical	\$200			\$200
Mechanical	\$19,300	\$500	\$5,800	\$700
Total	\$110,900	\$500	\$15,400	\$3,000
Importance Code A	\$12,900		\$6,100	
Importance Code B	\$77,400	\$500	\$9,200	\$1,900
Importance Code C	\$20,600			\$1,100
Total	\$110,900	\$500	\$15,400	\$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. 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	\$18,400	
	Efflorescence, Extent : Light, Area Affected : 5%							
	Location : Front Facade							
Masonry: Brownstone	25%			LIFE	* *	5	\$6,300	
	Staining/Discoloring, Extent : Light, Area Affected : 5%							
	Location : Front Facade							
Masonry: Granite	5%			LIFE	* *	5	\$1,300	
Metal Sect. OHD	10%			2047	* *	5	\$5,200	
Wood Overhead Doors	5%			2047	* *	5	\$4,200	
Windows								
Aluminum	50%			2042	* *	5	\$300	
Wood	50%			2042	* *	5	\$2,600	
Roof								
Under Construction	100%							
	Other Observation, Extent : N/A, 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	\$38,200	
Ceramic Tile	5%			2043	* *	5	\$1,000	
Panel/Paver: Cer/Brk	10%			2050	* *	5	\$4,400	
Quarry Tile	5%			2039	* *	5	\$1,500	
Terrazzo	10%			LIFE	* *	5	\$3,000	
Vinyl Tile	25%	Now	\$2,900	2034	\$143,600	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	* *	10	\$5,500	
Ceramic Tile	10%			2043	* *	5	\$2,200	
Concrete Masonry Unit	15%	4+	\$6,600	LIFE	* *	5	\$1,300	
	Broken/Missing Elements, Extent : Severe, Area Affected : 2%							
	Location : Basement Corridor							
Glass: Single Pane	5%			LIFE	* *	5	\$1,600	
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	* *	10	\$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.

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%			2047	**	5	\$6,800	
Exposed Struc: Concrete	50%	4+	\$31,200	LIFE	**	5	\$1,500	

Paint Peeling, Extent : Moderate, Area Affected : 2%

Location : Apparatus Area

Spalling, Extent : Light, Area Affected : 2%

Location : Apparatus Area

Gypsum Board	15%	Now	\$1,100	LIFE	**	5	\$3,600	
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Broken/Missing Elements, Extent : Moderate, Area Affected : 25%

Location : Lounge And Gymnasium

Cracking/Crumbling, Extent : Moderate, Area Affected : 25%

Location : Lounge And Gymnasium

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2039	**			
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Parking/Driveway

Cast in Place Concrete	100%			2039	**			
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Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Not Accessible 100%

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

Location : In Police Precinct

Explanation : Main Service

Raceway

Conduit	100%			2044	**	1		
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Panelboards

Molded Case Bkrs	100%			2033		\$53,200	5	\$300
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Wiring

Thermoplastic	100%			2044	**	1		
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Motor Controllers

Locally Mounted	100%			2039	**	5		\$100
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Ground

Grounding Devices

Generic	100%			LIFE	**	5		\$400
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Lighting

Interior Lighting

Fluorescent	20%			2034		\$24,100	10	\$2,400
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T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%

Location : Throughout

Fluorescent	80%			2039	**	10		\$9,500
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T-8 Lamps And Fixtures, 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. 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

Egress Lighting

Emergency, Battery	50%		2034	\$11,700	10	\$1,600
Exit, Battery	50%		2034	\$9,800	10	\$400

Exterior Lighting

LED	20%		2042	* *		
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

Not Accessible	100%					
<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
<i>Location : Throughout</i>						
<i>Explanation : Located In Adjacent Building</i>						

Conversion Equipment

Not Accessible	100%					
<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
<i>Location : Throughout</i>						
<i>Explanation : Located In Adjacent Building</i>						

Distribution

Not Accessible	100%					
<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
<i>Location : Throughout</i>						
<i>Explanation : Located In Adjacent Building</i>						

Terminal Devices

Convactor/Radiator	50%		2032	\$56,800	1	\$2,100
Fan Coil Unit/Heat	50%		2039	* *	1	\$2,100

Air Conditioning

Energy Source

Electricity	100%		2050	* *	1	
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Conversion Equipment

Window/Wall Unit	20%	0-2	\$2,100	2032	\$10,500	1
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Malfunctioning, Extent : Moderate, Area Affected : 10%
Location : Window Unit At Garage Floor Is Not Working
On Extended Life, Extent : Light, Area Affected : 20%
Location : Various Locations Throughout

Not Accessible

80%						
<i>Other Observation, Extent : Light, Area Affected : 0%</i>						
<i>Location : Throughout</i>						
<i>Explanation : Located In Adjacent Building</i>						

Distribution

Ductwork/Diffusers	100%		LIFE	* *	2	\$21,100
<i>Abandoned in Place, Extent : Light, Area Affected : 100%</i>						
<i>Location : Various Locations Throughout</i>						

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

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

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

FIRE DEPARTMENT - 057
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
Air Conditioning									
	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	\$11,400	
	Exhaust Fans								
	Roof	100%	Now	\$8,100	2034	\$27,000	2	\$300	
				Broken, Extent : Severe, Area Affected : 30%					
				Location : Serves Locker Room					
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%	0-2	\$89,200	2044	* *	1		
				Booster Pump w/Tank, Extent : Moderate, Area Affected : 100%					
				Location : Basement. Leaking Booster Pump					
	Water Heater With Tanks								
	Electric	100%			2027	\$50,700	4		
				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		
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	98%							
	Generic	2%			2029	\$400	1-3	\$1,600	
				Other Observation, Extent : Light, Area Affected : 10%					
				Location : Kitchen					
				Explanation : Kitchen Hood					

*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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 30-Dec-2022 **Landmark Status** : NONE
Areas Surveyed : Floors 1,2,3
Block : 35 **Lot** : 1 **BIN** : 1000867

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$107,500	\$89,600
Electrical		\$99,500
Mechanical	\$60,800	\$510,000
Total	\$168,300	\$699,100
Importance Code B	\$168,300	\$699,100
Total	\$168,300	\$699,100

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$22,400	\$36,000	\$200	
Interior Architecture	\$129,900			\$3,900
Electrical	\$1,400	\$1,100	\$3,700	\$1,100
Mechanical	\$24,800	\$1,900	\$7,900	\$1,700
Total	\$178,600	\$39,000	\$11,700	\$6,600
Importance Code A	\$23,200	\$36,700	\$1,000	\$800
Importance Code B	\$105,100	\$2,200	\$10,800	\$4,100
Importance Code C	\$50,300			\$1,800
Total	\$178,600	\$39,000	\$11,700	\$6,600



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

FIRE DEPARTMENT - 057
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	\$43,200	
	Metal Panel	10%			2054	**	5-10	\$39,600	
	Metal Sect. OHD	40%			2051	**	5	\$71,900	
Recent Replace Evident, Extent : N/A, Area Affected : 100%									
Location : Fire Engine Doors									
Windows									
	Aluminum	55%			2042	**	5	\$400	
	Metal Louvers	45%	Now	\$800	2043	**			
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%			2054	**	5-10		
	Granite Panels	35%			LIFE	**	5		
Interior									
Floors									
	Cast in Place Concrete	55%	2-4	\$107,500	LIFE	**	5	\$28,300	
Cracking/Crumbling, Extent : Severe, Area Affected : 10%									
Location : Apparatus Floor									
	Ceramic Tile	10%			2043	**	5	\$2,400	
	Quarry Tile	5%			2039	**	5	\$1,800	
Worn/Eroded, Extent : Light, Area Affected : 10%									
Location : Kitchen									
	Vinyl Tile	30%	Now	\$38,100	2039	**	3	\$2,600	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%									
Location : Locker Room And Corridors, 2nd Floor									
Worn/Eroded, Extent : Severe, Area Affected : 25%									
Location : Locker Room And Corridors, 2nd Floor									
Interior Walls									
	Ceramic Tile	10%			2043	**	5	\$3,600	
	Gypsum Board	45%			LIFE	**	5-10	\$27,500	
	SGFT/Glazed Masonry	40%	Now	\$25,300	LIFE	**			
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%									
Location : Back Wall Of Apparatus Area									
	Wood	5%			LIFE	**	5	\$14,400	

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

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 4/ LADDER CO. 15 (COMBINED FACILITY) HIGH RISE
Asset # : 13003

Architecture		Current Repair			Future Replacement		Maintenance		
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% 0-2 \$15,300 2039 * * 5 \$4,700

Broken/Missing Elements, Extent : Moderate, Area Affected : 5%

Location : 2nd Floor Kitchen

Staining/Discoloring, Extent : Moderate, Area Affected : 5%

Location : 2nd Floor Kitchen, Corridors And Offices

Exposed Struc: Steel 15% LIFE * * 10 \$7,100

Fiber Board

25% Now \$9,000 2034 \$89,600

Other Observation, Extent : Light, Area Affected : 20%

Location : 3rd Floor Mechanical Spaces

Explanation : Exposed Silver, Foil Insulation Delaminated And Punctured.

Gypsum Board 20% LIFE * * 5-10 \$16,200

Site Pavements

Public Sidewalk

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% 2044 * * 5 \$100

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

Location : Electrical Room

Explanation : 800 Amperes 480 volts 3 Phase

Switchgear / Switchboard

Fused Disc Sw 100% 2044 * * 5 \$100

Raceway

Conduit 80% 2034 \$28,800 1

Conduit 20% 2044 * * 1

Panelboards

Molded Case Bkrs 25% 2042 * * 5 \$100

Molded Case Bkrs 75% 2042 * * 5 \$300

Wiring

Thermoplastic 100% 2044 * * 1

Motor Controllers

Locally Mounted 100% 2039 * * 5 \$100

Ground

Grounding Devices

Not Accessible 100%

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

Location : Main Building Basement

Explanation : Connected To Main Building Water Main

Stand-by Power

Transfer Switches

Automatic 100% 2039 * * 1 \$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. 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
Stand-by Power									
Generators									
	Diesel	100%			2030	\$99,500	1	\$6,100	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Third Floor Mechanical Room									
Explanation : 313 Kilovolt Ampere, 250 Kilowatt,									
Batteries									
	Lead/Acid	100%			2027	\$2,400	5	\$600	
Fuel Storage									
	Day Tank	100%			2042	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Third Floor Mechanical Room									
Explanation : 75 Gallons									
Lighting									
Interior Lighting									
	LED	100%			2042	* *			
Egress Lighting									
	Emergency, Service	50%			2034	\$4,700	1		
	Exit, Service	50%			2034	\$3,300	1		
Exterior Lighting									
	HID	20%			2034	\$14,400	10		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Outside Perimeter									
Explanation : Controlled Via Photocell									
	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%			2044	* *	1		
	Conversion Equipment								
	Hot Water Boiler	100%			2039	* *	1	\$7,800	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : 3rd Floor								
	Explanation : Direct Vent Boiler								
	Distribution								
	Hot Wtr Piping/Pump	100%			2042	* *	4	\$1,200	
	Terminal Devices								
	Convactor/Radiator	40%			2039	* *	1	\$2,000	
	Fan Coil Unit/Heat	60%	Now	\$4,600	2034	\$228,800	1	\$2,700	
	Malfunctioning, Extent : Severe, Area Affected : 30%								
	Location : Controls For 1st Floor Units								
Air Conditioning									
	Energy Source								
	Electricity	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. 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									
	Conversion Equipment								
	Interior Pkg Unit - Cooling	50%	0-2	\$60,800	2032	\$121,600	2	\$400	
		Malfunctioning, Extent : Moderate, Area Affected : 100%							
		Location : 3rd Floor. Units Are Not Reliable And Constantly Breaking Down							
	Split Unit	25%			2034	\$91,300			
	Window/Wall Unit	25%	Now	\$8,700	2034	\$14,600	1		
		Broken, Extent : Severe, Area Affected : 30%							
		Location : 2nd Floor							
	Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2	\$25,600	
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$13,900	
	Exhaust Fans								
	Interior	100%			2034	\$68,200	2	\$500	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2044	* *	1		
	Water Heater With Tanks								
	Electric	100%			2029	\$23,100	4		
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Backflow Preventer								
	Not Accessible	100%							
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	99%							
	Generic	1%			2029	\$400	1-3	\$2,000	
		Other Observation, Extent : Light, Area Affected : 5%							
		Location : Kitchen							
		Explanation : 1 Set Fire Suppression System Covers 50 Square Feet (10x5).							

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

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

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 40/ LADDER CO. 35
Address : 131 AMSTERDAM AVENUE @ W. 66 ST.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.040 / 13028 **Yr Built/Renovated** : 1961 /
Area Sq Ft : 7,060 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-May-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Floors 1,2,3
Block : 1137 **Lot** : 7501 **BIN** : 1077844

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture		\$118,500
Electrical		\$63,500
Mechanical		\$101,100
Total		\$283,100
Importance Code B		\$283,100
Total		\$283,100

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$2,400			
Interior Architecture	\$22,700	\$400	\$1,100	\$1,400
Electrical		\$100	\$4,200	
Mechanical	\$5,400	\$1,400	\$5,200	\$1,700
Site Pavements	\$900			
Total	\$31,400	\$1,900	\$10,500	\$3,100
Importance Code A	\$2,400	\$200		
Importance Code B	\$24,900	\$1,700	\$10,500	\$3,100
Importance Code C	\$4,200			
Total	\$31,400	\$1,900	\$10,500	\$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. 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%			2045	* *	5	\$4,000	
	Granite Panels	25%			LIFE	* *	5	\$1,600	
Windows									
	Aluminum	100%	4+	\$300	2048	* *	5	\$200	
Other Observation, Extent : Moderate, Area Affected : 2%									
Location : Bunk Room									
Explanation : Difficult To Open And Close									
Soffits									
	Masonry: Limestone	100%			LIFE	* *	5		
Interior									
Floors									
	Cast in Place Concrete	45%	4+	\$10,900	LIFE	* *	5	\$14,400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%									
Location : Basement, Apparatus Floor									
Paint Peeling, Extent : Moderate, Area Affected : 5%									
Location : Basement									
	Ceramic Tile	6%			2041	* *	5	\$900	
	Panel/Paver: Cer/Brk	5%			2048	* *	5	\$1,600	
	Quarry Tile	4%	Now	\$4,200	2045	* *	5	\$400	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%									
Location : Kitchen									
	Sheet Vinyl/Rubber	10%			2037	* *	5	\$2,200	
	Vinyl Tile	30%	Now	\$2,400	2032	\$118,500	3	\$1,600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%									
Location : Kitchen									
Cracking/Crumbling, Extent : Severe, Area Affected : 10%									
Location : Kitchen									
Worn/Eroded, Extent : Severe, 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	\$3,300	2035	* *	5	\$1,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%									
Location : Kitchen									
	Concrete Masonry Unit	10%			LIFE	* *	5	\$200	
	Gypsum Board	20%			LIFE	* *	5	\$700	
	Plaster	10%			LIFE	* *	5	\$200	

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 40/ LADDER CO. 35
Asset # : 13028

Architecture		Current Repair		Future Replacement		Maintenance		
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%	4+	\$1,900	2045	* *	5	\$2,900	
	Staining/Discoloring, Extent : Moderate, Area Affected : 2%							
	Location : Third Floor Gymnasium, Kitchen							
Exposed Struc: Concrete	30%			LIFE	* *	5	\$700	
Exposed Struc: Steel	20%			LIFE	* *			
Gypsum Board	10%			LIFE	* *	5	\$1,800	
Site Enclosure								
Free Standing Walls								
Masonry: Brick	100%			2052	* *			
	Other Observation, Extent : Light, Area Affected : 100%							
	Location : Front							
	Explanation : Planter							
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2045	* *			
Parking/Driveway								
Cast in Place Concrete	100%	4+	\$900	2045	* *			
	Cracking/Crumbling, Extent : Light, Area Affected : 2%							
	Location : Truck 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%			2032	\$14,700	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 400 Ampere Main Disconnect Switch								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2032	\$63,500	5	\$200	
Raceway								
Conduit	80%			2032	\$28,800	1		
Conduit	20%			2052	* *	1		
Panelboards								
Fused Disc Sw	5%			2031	\$2,400	5		
Molded Case Bkrs	65%			2031	\$31,500	5	\$100	
Molded Case Bkrs	30%			2048	* *	5	\$100	
Wiring								
Thermoplastic	70%			2032	\$22,800	1		
Thermoplastic	30%			2052	* *	1		
Motor Controllers								
Locally Mounted	40%			2030	\$7,100	5		
Locally Mounted	60%			2045	* *	5		

Ground

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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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. 40/ LADDER CO. 35
Asset # : 13028

Electrical		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

LED

100%

2040

* *

Egress Lighting

Emergency, Battery

50%

2037

* *

10

\$900

No Component

50%

Exterior Lighting

HID

10%

2027

\$3,200

10

LED

10%

2040

* *

No Component

80%

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

Heating

Energy Source

Electricity

100%

2058

* *

1

Conversion Equipment

Pres. Reducing Valve/LP

100%

2041

* *

5

\$400

Steam

Distribution

Central Plant Steam

100%

Now

\$3,900

2052

* *

4

\$300

Piping/Pmp

*Steam Traps Faulty, Extent : Moderate, Area Affected : 5%**Location : Basement*

Terminal Devices

Air Handler

100%

2037

* *

1

\$4,400

Air Conditioning

Energy Source

Electricity

100%

2054

* *

1

Conversion Equipment

Int Pkg Unit -

90%

2033

\$101,100

2

\$400

Heating/Cooling

Split Unit

10%

2037

* *

Distribution

Ductwork/Diffusers

100%

LIFE

* *

2

\$9,200

Terminal Devices

Air Handler/Cool/Ht

100%

2037

* *

1

\$4,400

Ventilation

Distribution

Ductwork/Diffusers

100%

LIFE

* *

2-5

\$3,900

Exhaust Fans

Interior

100%

2037

* *

2

\$200

Plumbing

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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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. 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
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2052	* *	1		
	Water Heater With Tanks								
	Electric	100%			2030	\$23,100	4		
	HW Heat Exchanger								
	Steam Fired	100%			2052	* *	4	\$700	
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%	Now	\$200	2027	\$200	4	\$200	
		Broken, Extent : Severe, Area Affected : 100%							
		Location : Basement							
	Fixtures								
	Generic	100%							
Fire Suppression									
	Standpipe								
	Generic	100%			2052	* *	1-5	\$3,700	
	Sprinkler								
	No Component	25%							
	Generic	75%			2052	* *	1-2	\$1,500	

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$278,100	
Interior Architecture	\$160,000	
Total	\$438,100	
Importance Code A	\$278,100	
Importance Code B	\$160,000	
Total	\$438,100	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$62,300			
Interior Architecture	\$39,800			\$100
Electrical		\$7,100		
Mechanical	\$3,200	\$23,400	\$1,100	\$1,100
Site Enclosure	\$3,000			
Site Pavements	\$6,100			
Total	\$114,500	\$30,500	\$1,100	\$1,100
Importance Code A	\$63,100	\$800	\$800	\$800
Importance Code B	\$40,500	\$29,700	\$300	\$300
Importance Code C	\$10,800			
Total	\$114,500	\$30,500	\$1,100	\$1,100



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

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 42/ LADDER CO. 56
Asset # : 13030

Architecture		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior									
Exterior Walls									
	Masonry: Brick	70%	Now	\$60,000	LIFE	* *	5	\$14,900	
		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	\$1,600	LIFE	* *	5	\$800	
		Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%							
		Location : Building Base							
	Masonry: Limestone	10%	Now	\$16,400	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	\$9,000	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	\$24,800	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	\$1,500	
	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	\$147,600	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	\$70,400	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	\$17,000	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+	\$2,200	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	\$2,400	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	\$400		
Masonry: Brick	20%			LIFE	**				
Plaster	20%	0-2	\$1,500	LIFE	**	5	\$400		
	Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
	Location : Various Locations Due To Water Infiltration								
SGFT/Glazed Masonry	40%			LIFE	**				
Wood	5%			LIFE	**	5	\$1,300		

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 42/ LADDER CO. 56
Asset # : 13030

Architecture		Current Repair			Future Replacement		Maintenance		
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 Struc: Concrete	20%			LIFE	**	5	\$500	
Exposed Struc: Steel	15%	Now	\$160,000	LIFE	**			

Corrosion/Rusting, Extent : Severe, Area Affected : 20%

Location : Basement Areas At Metal Deck And Support Steel

Gypsum Board	5%	Now	\$3,900	LIFE	**	5	\$900	
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Water Penetration, Extent : Moderate, Area Affected : 30%

Location : 2nd Floor Rear Of Building

Plaster	55%	0-2	\$12,400	LIFE	**	5	\$5,200	
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Cracking/Crumbling, Extent : Moderate, Area Affected : 20%

Location : Various Locations At Water Penetration

Site Enclosure

Fence/Gates

Chain Link	100%			2041	**			
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Free Standing Walls

Concrete Masonry Unit	100%	0-2	\$3,000	2051	**			
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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	\$6,100	2044	**			
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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		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : One 200 Ampere Main Disconnect Switch

Raceway

Conduit	100%			2041	**	1		
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Panelboards

Fused Disc Sw	5%			2039	**	5		
Molded Case Bkrs	95%			2039	**	5	\$200	

Wiring

Thermoplastic	100%			2041	**	1		
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Motor Controllers

Locally Mounted	100%			2036	**	5	\$100	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100	
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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

Electrical		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 \$4,900 2

Exterior Lighting

HID

20% 2031 \$7,400 10

Incandescent

10% 2031 \$4,200 2

No Component

70%

Mechanical		Current Repair			Future Replacement		Maintenance		
System	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

Convactor/Radiator

100% 0-2 \$1,300 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 \$1,100 2026 \$22,400 1
Malfunctioning, Extent : Moderate, Area Affected : 30%
Location : Various. 30 Percent Of The Window Units Are 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 With Tanks

Gas Fired

100% 2029 \$16,700 2
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%							

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$127,500	
Total	\$127,500	
Importance Code A	\$127,500	
Total	\$127,500	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$15,600	\$1,200	\$11,100	
Interior Architecture	\$83,000	\$2,700	\$100	\$400
Electrical	\$200	\$2,500	\$200	\$200
Mechanical	\$10,500	\$15,800	\$2,200	\$1,100
Site Enclosure	\$900			
Total	\$110,200	\$22,200	\$13,700	\$1,800
Importance Code A	\$16,300	\$2,000	\$11,900	\$800
Importance Code B	\$80,900	\$20,100	\$1,800	\$1,000
Importance Code C	\$12,900			
Total	\$110,200	\$22,200	\$13,700	\$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. 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	\$3,800	2041	* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 2%								
Location : South Elevation At Shed Addition								
Masonry: Brick	80%	4+	\$63,300	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	\$100	
Masonry: Limestone	5%			LIFE	* *	5	\$700	
Metal Sect. OHD	4%			2036	* *	5	\$2,500	
Windows								
Aluminum	98%	Now	\$9,000	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	\$1,000	
Masonry: Brick	90%	0-2	\$2,800	LIFE	* *	5	\$1,100	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : North Parapet Wall Exhibits Cracking								
Roof								
Modified Bitumen	78%	Now	\$64,300	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	\$9,800	5	\$2,600	
Skylight, Metal/Glass	2%			2051	* *	10	\$500	

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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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
Interior									
Floors									
	Cast in Place Concrete	30%			LIFE	**	5	\$7,200	
	Ceramic Tile	3%			2040	**	5	\$300	
	Ceramic Tile	2%	Now	\$4,800	2046	**	5	\$100	
Water Penetration, Extent : Severe, Area Affected : 100%									
Location : 2nd Floor Shower Room, Engine Office									
	Quarry Tile	20%	Now	\$31,400	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	\$26,500	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	\$100	
	Gypsum Board	10%			LIFE	**	5	\$400	
	Masonry: Brick	2%			LIFE	**			
	Plaster	40%	Now	\$2,800	LIFE	**	5	\$700	
Cracking/Crumbling, Extent : Severe, Area Affected : 15%									
Location : Engine Office At Window									
	Plywood/Hardboard	3%			LIFE	**			
	SGFT/Glazed Masonry	35%	0-2	\$9,100	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	\$8,000	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	**			
Site Enclosure									
Fence/Gates									
	Chain Link	100%	4+	\$900	2051	**			
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%									
Location : Side Yard Walkway									
Retaining Walls									
	Cast in Place Concrete	100%			2066	**			
Site Pavements									

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

Estimates are rounded to the nearest hundred dollars.

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

FIRE DEPARTMENT - 057
ENGINE CO. 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

\$100

Stand-by Power

Transfer Switches

Automatic

100%

2036

* *

1

\$2,500

Lighting

Interior Lighting

LED

100%

2036

* *

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Throughout The Building**Explanation : LED Light Fixtures*

Exterior Lighting

HID

25%

2031

\$9,100

10

Incandescent

5%

2026

\$2,100

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

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

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FIRE DEPARTMENT - 057
ENGINE CO. 43/ LADDER CO. 59
Asset # : 13031

Mechanical		Current Repair		Future Replacement		Maintenance			
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 : N/A, Area Affected : 99%							
		Location : Basement							
		Explanation : 2 Units Gas Fired Boilers							
Distribution									
	Central Plant Steam Piping/Pmp	100%			2041	* *	4	\$600	
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	\$24,600	2	\$100	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : 1st Floor							
		Explanation : Serves Sitting Room And Racquetball Court							
	Split Unit	10%	0-2	\$9,200	2031	\$18,500			
		Not in Service, Extent : Light, Area Affected : 50%							
		Location : Defective Unit							
	Window/Wall Unit	50%			2026	\$14,700	1		
	No Component	20%							
Distribution									
	Ductwork/Diffusers	20%			LIFE	* *	2	\$2,100	
		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	\$19,000	1	\$300	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : 1st Floor							
		Explanation : Members Room							
	No Component	90%							

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. 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	\$4,400	
	Exhaust Fans								
	Interior	90%			2031	\$31,000	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 With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
		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 Locations							
		Explanation : 2 Broken Sinks, 1 Broken Urinal							
		1 Low Water Pressure							
		2/3 Of Mens Bathroom In Need Of Repair							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 29-Aug-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1430 **Lot** : 10 **BIN** : 1044059

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture		\$74,400
Total		\$74,400
Importance Code B		\$74,400
Total		\$74,400

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$32,300		\$300	
Interior Architecture	\$24,500		\$600	\$800
Electrical	\$900	\$700	\$700	\$700
Mechanical	\$18,400	\$800	\$19,200	\$1,000
Total	\$76,100	\$1,500	\$20,700	\$2,500
Importance Code A	\$32,600	\$300	\$600	\$300
Importance Code B	\$39,200	\$1,200	\$20,100	\$1,900
Importance Code C	\$4,300			\$200
Total	\$76,100	\$1,500	\$20,700	\$2,500



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

FIRE DEPARTMENT - 057
ENGINE CO. 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	\$23,500	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	\$4,700	
	Metal Panel	5%			2044	**	5-10	\$7,200	
	Wood Overhead Doors	10%			2039	**	5	\$10,400	
Windows									
	Aluminum	100%			2042	**	5	\$500	
	Air Infiltration, Extent : Severe, Area Affected : 2%								
	Location : 2nd Floor Front Office								
Parapets									
	Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$2,200	
	Masonry: Brick	70%			LIFE	**	5-10	\$3,700	
	Efflorescence, Extent : Light, Area Affected : 15%								
	Location : Various Areas On All Elevations								
	Metal Cornice	20%			2049	**	10	\$500	
Roof									
	Asphalt Shingle	5%			2043	**	10	\$100	
	Modified Bitumen	90%			2039	**	10	\$5,700	
	Skylight, Metal/Glass	5%	4+	\$1,700	2044	**			
	Air Infiltration, Extent : Severe, 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	\$12,100	
	Ceramic Tile	5%			2043	**	5	\$500	
	Quarry Tile	5%			2047	**	5	\$700	
	Vinyl Tile	30%			2034	\$74,400	3	\$1,400	
	Wood	30%	4+	\$8,000	2049	**	5	\$2,600	
	Deteriorated Finish, Extent : Moderate, Area Affected : 20%								
	Location : Throughout								
Interior Walls									
	Ceramic Tile	5%			2043	**	5	\$500	
	Concrete Masonry Unit	5%			LIFE	**	5	\$400	
	Masonry: Brick	10%			LIFE	**	10	\$300	
	Plaster	60%			LIFE	**	5-10	\$4,600	
	SGFT/Glazed Masonry	20%			LIFE	**	10	\$900	

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Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
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	

Interior

Ceilings

AcousTileSusp.Lay-In	5%		2047	**	5	\$500		
Embossed Metal	68%		LIFE	**	5	\$5,600		
Exposed Struc: Concrete	20%		LIFE	**	5-10	\$2,300		
Exposed Struc: Wood	5%		LIFE	**	10	\$700		
Gypsum Board	1%		LIFE	**	5-10	\$300		
Plaster	1%		LIFE	**	5-10	\$200		

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%		2047	**				
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Parking/Driveway

Cast in Place Concrete	100%		2047	**				
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Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%		2060	**	5			
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Other Observation, Extent : Moderate, Area Affected : 100%

Location : Basement

Explanation : 400 Ampere Main Switch

Switchgear / Switchboard

Fused Disc Sw	80%		2060	**	5			
Molded Case Bkrs	20%		2060	**	5			

Raceway

Conduit	100%		2060	**	1			
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Panelboards

Molded Case Bkrs	100%		2056	**	5	\$200		
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Wiring

Thermoplastic	100%		2060	**	1			
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Ground

Grounding Devices

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

Transfer Switches

Automatic	100%		2051	**	1	\$1,900		
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Generators

Diesel	100%		2047	**	1	\$2,400		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : 51.25 Kilovolt Amperes, 41 kilowatts

Batteries

Lead/Acid	100%		2029		5	\$200		
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057**ENGINE CO. 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%

2056

* *

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 26 Gallons*

Lighting

Interior Lighting

LED

100%

2042

* *

Egress Lighting

Emergency, Service

50%

2039

* *

1

Exit, Service

50%

2039

* *

1

Exterior Lighting

LED

20%

2042

* *

No Component

80%

Alarm

Security System

Generic

100%

2042

* *

1

\$2,300

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Exterior Only**Explanation : Cameras Security 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%

2054

* *

1

Conversion Equipment

Hot Water Boiler

100%

2051

* *

1

\$3,100

Distribution

Hot Wtr Piping/Pump

100%

2056

* *

4

\$300

Terminal Devices

Convactor/Radiator

100%

Now

\$1,000

2039

* *

1

\$1,800

*Corroded, Extent : Moderate, Area Affected : 10%**Location : Gymnasium Area. Corroded Radiator**Leak Evident, Extent : Moderate, Area Affected : 10%**Location : 3rd Floor Television Room And Gymnasium Radiator**Other Observation, Extent : Light, Area Affected : 20%**Location : 1st Floor**Explanation : Underfloor Radiant Heat*

Air Conditioning

Energy Source

Electricity

100%

2042

* *

1

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

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 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
Air Conditioning									
	Conversion Equipment Split Unit	20%	Now	\$14,500	2034	\$29,000			
		Other Observation, Extent : Severe, Area Affected : 20%							
		Location : Kitchen And Bunk Room							
		Explanation : Bunk Room Undersized So Temporary Floor Mounted Unit Is Used							
	Window/Wall Unit	80%			2027	\$18,500	1		
Ventilation									
	Exhaust Fans								
	Roof	100%	Now	\$2,400	2039	* *	2	\$200	
		Other Observation, Extent : Severe, Area Affected : 30%							
		Location : 1st Floor							
		Explanation : Undersized							
Plumbing									
	H/C Water Piping								
	Galvanized Steel	100%			2047	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2033	\$33,400	2		
		Other Observation, Extent : N/A, 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%			2028	\$200	4	\$200	
	Backflow Preventer								
	Generic	100%			2039	* *	1	\$400	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	98%							
	Generic	2%			2032	\$300	1-3	\$1,500	

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$240,800	
Interior Architecture		\$121,200
Mechanical		\$166,600
Total	\$240,800	\$287,800
Importance Code A	\$240,800	
Importance Code B		\$287,800
Total	\$240,800	\$287,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$29,700	\$2,900		
Interior Architecture	\$17,400			\$600
Electrical	\$100	\$12,800		
Mechanical	\$58,000	\$2,700	\$5,300	\$2,000
Site Pavements	\$9,100			
Total	\$114,400	\$18,400	\$5,300	\$2,600
Importance Code A	\$29,700	\$2,900		
Importance Code B	\$81,300	\$15,500	\$5,300	\$2,600
Importance Code C	\$3,400			
Total	\$114,400	\$18,400	\$5,300	\$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. 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	\$103,600	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	\$400	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	\$14,100	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	\$137,200	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

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

FIRE DEPARTMENT - 057
ENGINE CO. 46/ LADDER CO. 27 COMBINED FACILITY/ 48TH PCT.
Asset # : 13034

Architecture		Current Repair			Future Replacement		Maintenance		
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	\$12,800	
	Ceramic Tile	15%			2034	\$121,200	5	\$2,200	
	Terrazzo	10%			LIFE	**	5	\$1,100	
	Vinyl Tile	15%	0-2	\$1,200	2036	**	3	\$800	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%									
Location : 2nd Floor									
	Vinyl Tile 9" X 9"	20%	Now	\$11,500	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	\$47,100	5	\$900	
	Concrete Masonry Unit	20%			LIFE	**	5	\$700	
	Gypsum Board	10%			LIFE	**	5	\$500	
	Plaster	33%	Now	\$3,400	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	**			
	SGFT/Glazed Masonry	25%			LIFE	**			
Ceilings									
	AcousTileSusp.Lay-In	30%	0-2	\$1,300	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 Struc: Concrete	35%			LIFE	**	5	\$800	
	Plaster	35%			LIFE	**	5	\$3,000	
Site Pavements									
Public Sidewalk									
	Cast in Place Concrete	100%	Now	\$9,100	2044	**			
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	\$36,000	1		
Panelboards									
	Fused Disc Sw	5%			2030	\$2,400	5		
	Molded Case Bkrs	95%			2030	\$46,000	5	\$200	
Wiring									
	Thermoplastic	100%			2031	\$32,500	1		

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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. 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	\$12,500	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	\$12,000	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%			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	\$700	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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** 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
Air Conditioning									
	Conversion Equipment								
	Centrifugal, Elec Chiller	50%	Now	\$4,400	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%			2025	\$13,000	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	\$7,500	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	\$8,300	2031	\$166,600	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	\$4,900	
Exhaust Fans									
	Interior	10%	Now	\$3,800	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 With Tanks									
	Gas Fired	100%			2025	\$16,700	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Police Precinct Next Door							
		Explanation : Two 75 Gallon Water Heaters							

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

FIRE DEPARTMENT - 057
ENGINE CO. 46/ LADDER CO. 27 COMBINED FACILITY/ 48TH PCT.
Asset # : 13034

Mechanical		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	\$3,000	LIFE	* *	1		
			Blockage /Clogged, Extent : Severe, Area Affected : 40%						
			Location : 1st Floor Drain						
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Wet	10%			2029	\$1,600	1-3	\$8,300	
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Kitchen						
			Explanation : System						
	No Component	90%							

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 47
Address : 502 WEST 113TH STREET @ AMSTERDAM AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.047 / 13035 **Yr Built/Renovated** : 1889 /
Area Sq Ft : 5,244 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-May-2021 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1884 **Lot** : 39 **BIN** : 1057000

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Electrical		\$29,300
Total		\$29,300
Importance Code B		\$29,300
Total		\$29,300

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$73,200		\$1,800	\$36,100
Interior Architecture	\$78,400		\$500	\$900
Electrical				
Mechanical	\$1,900	\$1,900	\$30,200	\$1,800
Site Pavements	\$1,100			
Total	\$154,700	\$2,000	\$32,500	\$38,800
Importance Code A	\$73,800	\$500	\$2,300	\$36,600
Importance Code B	\$37,500	\$1,500	\$30,100	\$2,200
Importance Code C	\$43,400			
Total	\$154,700	\$2,000	\$32,500	\$38,800



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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. 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	78%	Now	\$32,200	LIFE	* *	5	\$18,200	
	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%	Now	\$14,500	LIFE	* *	5	\$1,800	
	Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
	Location : Exterior Window Sills On East Side Of Building								
	Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%								
	Location : Throughout								
	Water Penetration, Extent : Light, Area Affected : 20%								
	Location : Throughout								
	Wood	2%			2037	* *	5	\$2,300	
	Wood Overhead Doors	5%	Now	\$700	2037	* *	5	\$2,900	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
	Location : Glazing In Overhead Sectional Door Front Facade								
Windows									
	Aluminum	100%	Now	\$9,400	2040	* *	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	\$4,300	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%			2042	* *	5	\$1,200	

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

FIRE DEPARTMENT - 057
ENGINE CO. 47
Asset # : 13035

Architecture		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior									
Roof									
	Asphalt Shingle	10%	Now	\$1,300	2035	**			
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%									
Location : Throughout									
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%									
Location : Throughout									
	Roll Roofing	90%	Now	\$10,800	2028	\$36,100	5	\$4,300	
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 20%									
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									
Soffits									
	Masonry: Brownstone	100%			LIFE	**	5		
Interior									
Floors									
	Cast in Place Concrete	10%	2-4	\$2,200	LIFE	**	5	\$2,700	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%									
Location : Throughout									
	Ceramic Tile	5%			2035	**	5	\$600	
	Mosaic Tile	2%	Now	\$14,600	2052	**	5	\$300	
Broken/Missing Elements, Extent : Severe, Area Affected : 100%									
Location : Laundry Room									
	Quarry Tile	5%			2045	**	5	\$900	
	Vinyl Tile	58%			2037	**	3	\$3,500	
	Wood	20%	Now	\$7,800	2047	**	5	\$2,300	
Uneven Surface, Extent : Moderate, Area Affected : 25%									
Location : 3rd Floor									
Worn/Eroded, Extent : Moderate, Area Affected : 25%									
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. 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

Interior

Interior Walls

Ceramic Tile	5%	Now	\$23,800	2047	**	5	\$300
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Broken/Missing Elements, Extent : Severe, Area Affected : 20%

Location : Officers Bathroom

Concrete Masonry Unit	5%			LIFE	**	5	\$300
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Glass: Single Pane	5%			LIFE	**	5	\$500
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Gypsum Board	10%			LIFE	**	5	\$800
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Masonry: Brick	10%	Now	\$13,700	LIFE	**		
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Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%

Location : Basement Towards Front

Water Penetration, Extent : Moderate, Area Affected : 30%

Location : Basement

Metal Panel	10%	Now	\$1,500	LIFE	**		
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Corrosion/Rusting, Extent : Light, Area Affected : 50%

Location : Throughout

Plaster	55%	Now	\$3,900	LIFE	**	5	\$2,200
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Cracking/Crumbling, Extent : Moderate, Area Affected : 10%

Location : Throughout, Gymnasium

Ceilings

AcousTileSusp.Lay-In	10%			2037	**	5	\$900
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Embossed Metal	90%	4+	\$9,400	LIFE	**	5	\$3,700
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Bent/Warped Elements, Extent : Moderate, Area Affected : 5%

Location : Throughout

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%	4+	\$500	2045	**		
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Cracking/Crumbling, Extent : Light, Area Affected : 10%

Location : Throughout

On-Site Walkways

Cast in Place Concrete	100%	0-2	\$300	2045	**		
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Cracking/Crumbling, Extent : Light, Area Affected : 5%

Location : Throughout

Parking/Driveway

Cast in Place Concrete	100%	0-2	\$400	2045	**		
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Cracking/Crumbling, Extent : Light, Area Affected : 10%

Location : Throughout

Activity Yard

Pavers/Stone	100%			2035	**		
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Electrical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 47
Asset # : 13035

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts									
	Service Equipment								
	Fused Disc Sw	100%			2032	\$16,200	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : One 400 Ampere Main Disconnect Switch							
Raceway									
	Conduit	85%			2032	\$33,500	1		
	Conduit	15%			2052	* *	1		
Panelboards									
	Fused Disc Sw	5%			2031	\$2,700	5		
	Molded Case Bkrs	40%			2048	* *	5	\$100	
	Molded Case Bkrs	55%			2031	\$29,300	5	\$100	
		Obsolete Equipment, Extent : Moderate, Area Affected : 50%							
		Location : First Floor							
Wiring									
	Thermoplastic	40%			2052	* *	1		
	Thermoplastic	60%			2032	\$21,400	1		
Motor Controllers									
	Locally Mounted	100%			2030	\$19,500	5		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Lighting									
	Interior Lighting								
	LED	100%			2040	* *			
	Exterior Lighting								
	LED	20%			2040	* *			
	No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Energy Source								
	Natural Gas	100%			2058	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2049	* *	1	\$5,200	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : One Unit							
	Distribution								
	Central Plant Steam	100%			2042	* *	4	\$400	
	Piping/Pmp								
	Terminal Devices								
	Convactor/Radiator	90%			2037	* *	1	\$1,500	
	Unit Heater - Steam	10%			2032	\$3,200	4		

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. 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
Air Conditioning									
	Energy Source								
	Electricity	100%			2054	* *	1		
	Conversion Equipment								
	Window/Wall Unit	40%	0-2	\$200	2027	\$8,500	1		
		Broken, Extent : Moderate, Area Affected : 10%							
		Location : Various Location. Broken Front Cover							
	No Component	60%							
Ventilation									
	Exhaust Fans								
	Interior	100%			2032	\$24,900	2	\$200	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2052	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2027	\$18,300	2		
		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%			2030	\$1,700	1-3	\$8,300	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Kitchen							
		Explanation : Ansul-102							
	No Component	80%							
	Generic	10%			2030	\$1,700	1-3	\$7,400	
		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.
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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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$166,800	
Interior Architecture	\$62,300	
Electrical	\$99,500	\$127,000
Mechanical	\$10,100	
Total	\$338,700	\$127,000
Importance Code A	\$166,800	\$63,500
Importance Code B	\$171,900	\$63,500
Total	\$338,700	\$127,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$39,400	\$3,300	\$800	
Interior Architecture	\$19,700	\$2,500		\$300
Electrical	\$13,600	\$14,900	\$800	\$800
Mechanical	\$15,800	\$35,900	\$6,900	\$7,400
Site Pavements	\$1,900			
Total	\$90,400	\$56,600	\$8,600	\$8,500
Importance Code A	\$39,900	\$4,000	\$1,400	\$600
Importance Code B	\$42,700	\$52,500	\$7,200	\$7,900
Importance Code C	\$7,700			
Total	\$90,400	\$56,600	\$8,600	\$8,500



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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.

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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	\$11,300	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	\$1,300	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 : N/A, Area Affected : 100%								
	Location : Facade								
	Explanation : Replacement Windows In 2017								
	Metal Louvers	3%			2034	\$2,700	10	\$300	
Parapets									
	Masonry: Brick	90%	4+	\$3,500	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	\$166,800	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

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. 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	\$62,300	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	\$4,600	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	\$1,300	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	\$1,200	2040	**	5	\$600	
Water Penetration, Extent : Moderate, Area Affected : 10%								
Location : First Floor Bathroom								
Ceramic Tile	5%	Now	\$3,100	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	\$2,800	
Gypsum Board	20%	Now	\$1,600	LIFE	**	5	\$2,800	
Paint Peeling, Extent : Moderate, Area Affected : 15%								
Location : 2nd Floor Room								
SGFT/Glazed Masonry	40%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	55%	Now	\$7,400	2044	**	5	\$4,600	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Second Floor								
Exposed Struc: Concrete	40%			LIFE	**	5	\$1,000	
Gypsum Board	5%			LIFE	**	5	\$1,000	
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

\$1,900

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

\$63,500

5

\$300

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Electrical Room 1st Floor**Explanation : One 400 Ampere Main Disconnect Switch*

Switchgear / Switchboard

Molded Case Bkrs

100%

2031

\$63,500

5

\$300

Raceway

Conduit

70%

2031

\$25,200

1

Conduit

30%

2051

* *

1

Panelboards

Fused Disc Sw

5%

2030

\$2,400

5

Molded Case Bkrs

30%

2047

* *

5

\$100

Molded Case Bkrs

65%

2030

\$31,500

5

\$200

Wiring

Thermoplastic

70%

2031

\$22,800

1

Thermoplastic

30%

2051

* *

1

Motor Controllers

Locally Mounted

100%

2029

\$17,800

5

\$100

Ground

Grounding Devices

Generic

100%

0-2

\$10,200

LIFE

* *

5

\$200

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : 1st Floor**Explanation : Corroded*

Stand-by Power

Transfer Switches

Automatic

100%

2029

\$12,900

1

\$3,500

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

FIRE DEPARTMENT - 057
ENGINE CO. 48 DIVISION 7 COMMAND CENTER
Asset # : 13036

Electrical		Current Repair		Future Replacement		Maintenance			
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	\$99,500	1	\$4,400	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Generator Room									
Explanation : One 17.5 Kilowatts									
Batteries									
	Lead/Acid	100%			2025	\$2,400	5	\$400	
Fuel Storage									
	Day Tank	50%			2030	\$12,500	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Generator Room									
Explanation : One 30 Gallons									
	Main Tank	50%			2034	\$37,500	5		
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	\$5,200	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	\$1,200	2039	* *	4	\$600	
		Malfunctioning, Extent : Moderate, Area Affected : 10%							
		Location : Temperature Controler							

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. 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	\$1,100	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	\$6,300	1		
	No Component	40%							
	Terminal Devices								
	Fan Coil - 2 Pipe	40%			2036	* *	1	\$1,500	
	Fan Coil - 2 Pipe	5%			2026	\$10,100	1	\$200	
	No Component	55%							
	Heat Rejection								
	Dry Cooler	45%			2036	* *	2	\$3,500	
	No Component	55%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	40%	Now	\$3,900	LIFE	* *	2-5	\$2,500	
		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	\$5,400	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 With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
		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.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 48 DIVISION 7 COMMAND CENTER
Asset # : 13036

Mechanical		Current Repair		Future Replacement		Maintenance			
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	\$2,800	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	\$15,900	1-3	\$74,400	
				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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$9,200	\$6,600		
Interior Architecture	\$800		\$300	
Electrical	\$400	\$2,900	\$500	\$500
Mechanical	\$6,400	\$32,300	\$6,500	\$6,800
Total	\$16,700	\$41,800	\$7,300	\$7,300
Importance Code A	\$9,400	\$6,900	\$300	\$300
Importance Code B	\$6,900	\$34,900	\$7,000	\$7,000
Importance Code C	\$400			
Total	\$16,700	\$41,800	\$7,300	\$7,300



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 Estimates are rounded to the nearest hundred dollars.

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

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FIRE DEPARTMENT - 057
ENGINE CO. 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		**		
	Other Observation, Extent : Light, Area Affected : 100%							
	Location : Lower Section Of Front Elevation							
	Explanation : Painted Surface							
Masonry: Brick	95%			LIFE		**	5	\$24,900
Wood Overhead Doors	2%			2044		**	5	\$2,600
Windows								
Aluminum	100%	Now	\$9,200	2047		**	5	\$300
	Crtrwt/Balnc Not Funct, Extent : Severe, Area Affected : 50%							
	Location : 2nd Floor Bunk Room							
Parapets								
Cast Stone/Terra Cotta	10%			LIFE		**	5	\$700
Masonry: Brick	80%			LIFE		**	5	\$800
Metal Cornice	10%			2059		**	10	\$300
Roof								
Modified Bitumen	100%			2036		**	10	\$6,600
Interior								
Floors								
Cast in Place Concrete	20%			LIFE		**	5	\$3,700
Ceramic Tile	10%			2040		**	5	\$800
Terrazzo	5%			LIFE		**	5	\$300
Vinyl Tile	25%			2036		**	3	\$800
Wood	40%			2059		**	5	\$6,300
Interior Walls								
Ceramic Tile	5%			2040		**	5	\$700
Concrete Masonry Unit	30%			LIFE		**	5	\$1,700
Gypsum Board	30%			LIFE		**	5	\$2,600
Masonry: Brick	10%			LIFE		**		
Plaster	15%			LIFE		**	5	\$600
Wood	10%			LIFE		**	5	\$5,800
Ceilings								
AcousTileSusp.Lay-In	60%			2044		**	5	\$1,400
Embossed Metal	20%			LIFE		**	5	\$200
Exposed Struc: Steel	20%			LIFE		**		
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044		**		

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

Under 600 Volts

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

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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	\$3,600	1		
	Panelboards								
	Fused Disc Sw	5%			2053	**	5		
	Molded Case Bkrs	95%			2053	**	5	\$100	
	Wiring								
	Thermoplastic	100%			2057	**	1		
	Motor Controllers								
	Locally Mounted	100%			2048	**	5		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	**	5	\$100	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2048	**	1	\$1,800	
	Generators								
	Diesel	100%			2044	**	1	\$2,200	
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Basement						
			Explanation : One 80 Kilowatts						
	Batteries								
	Lead/Acid	100%			2026	\$2,400	5	\$200	
	Fuel Storage								
	Day Tank	50%			2053	**	5		
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Basement						
			Explanation : One 100 Gallons						
	Main Tank	50%			2034	\$37,500	5		
			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		

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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 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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Conversion Equipment

Hot Water Boiler	100%			2044		* *	1	\$2,800	
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Distribution

Hot Wtr Piping/Pump	100%			2047		* *	4	\$300	
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Terminal Devices

Convactor/Radiator	100%			2044		* *	1	\$1,900	
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Air Conditioning

Energy Source

Electricity	100%			2047		* *	1		
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Conversion Equipment

Exterior Pkg Unit - Cooling	60%			2036		* *	2	\$200	
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Window/Wall Unit	30%			2029		\$6,400	1		
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Window/Wall Unit	10%	0-2	\$400	2029		\$2,100	1		
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Malfunctioning, Extent : Moderate, Area Affected : 100%

Location : Television Room. Window, Wall Unit Not Working

Heat Rejection

Air Cooled Condenser Unit	100%			2036		* *	2	\$4,000	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Roof

Explanation : R-410a

Ventilation

Distribution

Ductwork/Diffusers	100%			LIFE		* *	2-5	\$3,200	
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Exhaust Fans

Roof	20%			2031		\$2,200	2		
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Wall Unit	20%			2031		\$500	2		
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No Component	60%								
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FIRE DEPARTMENT - 057
ENGINE CO. 5
Asset # : 13004

Mechanical		Current Repair		Future Replacement		Maintenance			
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 With Tanks								
	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	\$15,900	1-3	\$83,300	

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$123,600	
Interior Architecture		\$68,000
Electrical	\$99,500	\$127,000
Mechanical	\$82,400	
Total	\$305,500	\$195,000
Importance Code A	\$123,600	\$63,500
Importance Code B	\$181,900	\$131,500
Total	\$305,500	\$195,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$54,800			
Interior Architecture	\$37,500	\$1,300	\$300	\$300
Electrical	\$3,500	\$14,600	\$800	\$800
Mechanical	\$88,100	\$47,700	\$7,600	\$6,600
Site Enclosure	\$15,700			
Site Pavements	\$33,400			
Total	\$233,000	\$63,600	\$8,700	\$7,700
Importance Code A	\$90,100	\$700	\$600	\$600
Importance Code B	\$96,100	\$62,800	\$8,100	\$7,100
Importance Code C	\$46,800			
Total	\$233,000	\$63,600	\$8,700	\$7,700



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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	\$64,000	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+	\$5,000	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	\$59,600	2056	* *	5	\$600	
		Broken/Missing Elements, Extent : Moderate, Area Affected : 50% Location : Basement And At House Watch Cttrwt/Balnc Not Funct, Extent : Severe, Area Affected : 100% Location : Throughout							
	Aluminum	28%			2039	* *	5	\$500	
Parapets									
	Masonry: Brick	90%			LIFE	* *	5	\$1,600	
	Pre-Cast Concrete	10%	Now	\$7,000	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	\$25,200	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	\$11,200	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+	\$3,000	2044	* *	5	\$1,800	
		Staining/Discoloring, Extent : Light, Area Affected : 80% Location : At Corner Of Washington Avenue And 167th Street							

Interior

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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	\$14,000	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	\$9,300	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	\$6,800	2031	\$68,000	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 : N/A, Area Affected : 100%								
Location : 2nd Floor								
Interior Walls								
Ceramic Tile	5%			2034	\$16,900	5	\$300	
Ceramic Tile	5%			2040	**	5	\$300	
Concrete Masonry Unit	50%			LIFE	**	5	\$1,300	
Gypsum Board	5%			LIFE	**	5	\$200	
Plaster	10%			LIFE	**	5	\$200	
SGFT/Glazed Masonry	20%			LIFE	**			
Wood	5%			LIFE	**	5	\$1,300	
Ceilings								
AcousTileSusp.Lay-In	55%	4+	\$3,000	2044	**	5	\$4,600	
Staining/Discoloring, Extent : Moderate, Area Affected : 20%								
Location : Kitchen Area, Bunk Room, And Gymnasium								
Exposed Struc: Concrete	15%			LIFE	**	5	\$400	
Gypsum Board	30%	4+	\$4,300	LIFE	**	5	\$6,300	
Worn/Eroded, Extent : Moderate, Area Affected : 25%								
Location : Apparatus Room								
Site Enclosure								
Fence/Gates								
Chain Link	100%	0-2	\$14,500	2041	**			
Broken/Missing Elements, Extent : Severe, Area Affected : 50%								
Location : Side Yard And Driveway								

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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+	\$1,200	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	\$28,900	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+	\$3,300	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	\$63,500	5	\$300	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Electrical Room Basement							
		Explanation : One 400 Ampere Main Disconnect Switch							
	Switchgear / Switchboard								
	Molded Case Bkrs	100%			2031	\$63,500	5	\$300	
	Raceway								
	Conduit	100%			2031	\$36,000	1		
	Panelboards								
	Fused Disc Sw	5%			2030	\$2,400	5		
	Molded Case Bkrs	95%			2030	\$46,000	5	\$300	
	Wiring								
	Thermoplastic	100%			2031	\$32,500	1		
	Motor Controllers								
	Locally Mounted	100%			2029	\$17,800	5	\$100	

Ground

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FIRE DEPARTMENT - 057
ENGINE CO. 50/ LADDER CO. 19
Asset # : 13037

Electrical		Current Repair		Future Replacement		Maintenance			
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%			2029	\$12,900	1	\$3,500	
	Generators								
	Diesel	100%			2027	\$99,500	1	\$4,400	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Generator Room Basement								
	Explanation : One 17.5 Kilowatts								
	Batteries								
	Lead/Acid	100%			2025	\$2,400	5	\$400	
	Fuel Storage								
	Day Tank	50%			2030	\$12,500	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Generator Room Basement								
	Explanation : One 10 Gallons								
	Main Tank	50%			2034	\$37,500	5		
	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	\$10,300	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%			2051	* *	1		
	Conversion Equipment								
	Hot Water Boiler	100%	Now	\$35,300	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.

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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	\$600	
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Throughout							
		Explanation : There Is Only One Thermostat In The Building							
	Terminal Devices								
	Convactor/Radiator	70%			2036	* *	1	\$2,600	
	Fan Coil Unit/Heat	30%			2026	\$82,400	1	\$1,100	
Air Conditioning									
	Energy Source								
	Electricity	100%			2039	* *	1		
	Conversion Equipment								
	Exterior Pkg Unit - Cooling	20%			2039	* *	2	\$100	
		Other Observation, Extent : Light, Area Affected : 20%							
		Location : Roof							
		Explanation : 1 Unit. R-410a							
	Split Unit	10%	0-2	\$26,300	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	\$12,600	1		
	No Component	40%							
	Heat Rejection								
	Dry Cooler	10%			2026	\$3,100	2	\$800	
	No Component	90%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	70%			LIFE	* *	2-5	\$4,400	
	No Component	30%							
	Exhaust Fans								
	Interior	40%	0-2	\$19,700	2041	* *	2	\$100	
		Other Observation, Extent : Severe, Area Affected : 100%							
		Location : Throughout							
		Explanation : No Ventilation In The Bathroom Area.							
		Mold Infestation Evident							
	Roof	40%	Now	\$900	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 With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
			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	\$2,200	4	\$200	
	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	\$15,900	1-3	\$83,300	

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Site Enclosure		\$80,700
Total		\$80,700
Importance Code C		\$80,700
Total		\$80,700

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$69,900		\$7,500	
Interior Architecture	\$82,000			\$2,200
Electrical	\$500	\$3,200	\$600	\$500
Mechanical	\$1,500	\$51,300	\$1,600	\$1,200
Site Pavements	\$11,000			
Total	\$164,900	\$54,500	\$9,600	\$3,900
Importance Code A	\$70,600	\$800	\$8,200	\$700
Importance Code B	\$30,900	\$53,700	\$1,500	\$3,200
Importance Code C	\$63,400			
Total	\$164,900	\$54,500	\$9,600	\$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. 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	\$33,500	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	\$10,400	
	Masonry: Limestone	5%			LIFE	* *	5	\$1,300	
	Wood Overhead Doors	5%	Now	\$2,400	2029	\$48,600	5	\$4,300	
Other Observation, Extent : Severe, Area Affected : 5%									
Location : Within Overhead Door									
Explanation : Access Door Inoperable									
Windows									
	Aluminum	100%	Now	\$13,200	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		
	Masonry: Limestone	95%			LIFE	* *	5		
Spalling, Extent : Light, Area Affected : 2%									
Location : Left Side Facade At Cornice									
Roof									
	Copper/Terne	90%	4+	\$20,400	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	\$400	2027	\$7,500	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	\$13,100		
Ceramic Tile	9%			2040	**	5	\$1,100		
Quarry Tile	1%			2044	**	5	\$200		
Terrazzo	5%	4+	\$2,700	LIFE	**	5	\$500		
Cracking/Crumbling, Extent : Light, Area Affected : 10%									
Location : Cracks In Bathroom Floor									
Vinyl Tile	25%	0-2	\$8,100	2036	**	3	\$1,100		
Worn/Eroded, Extent : Severe, Area Affected : 30%									
Location : 2nd Floor Throughout									
Vinyl Tile 9" X 9"	10%	2-4	\$4,700	2041	**	3	\$500		
Worn/Eroded, Extent : Moderate, Area Affected : 100%									
Location : Second Floor									
Interior Walls									
Cast in Place Concrete	10%	Now	\$7,400	LIFE	**				
Water Penetration, Extent : Severe, Area Affected : 3%									
Location : Side Wall And Exercise Area At Cellar									
Ceramic Tile	2%	Now	\$1,100	2040	**	5	\$200		
Cracking/Crumbling, Extent : Severe, Area Affected : 10%									
Location : 2nd Floor Womens Toilet									
Gypsum Board	2%			LIFE	**	5	\$200		
Masonry: Brick	10%	0-2	\$18,400	LIFE	**				
Paint Peeling, Extent : Moderate, Area Affected : 50%									
Location : Cellar									
Spalling, Extent : Moderate, Area Affected : 50%									
Location : Cellar									
Plaster	5%	4+	\$1,200	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	**				
SGFT/Glazed Masonry	70%	Now	\$24,400	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.
** 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

Ceilings

AcousTileSusp.Lay-In 30% 2048 * * 5 \$3,400

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

Location : 1st Floor

Exposed Struc: Steel 30% LIFE * *
 Plaster 40% Now \$13,600 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 \$80,700

Free Standing Walls

Concrete Masonry Unit 100% 2051 * *

Site Pavements

Public Sidewalk

Cast in Place Concrete 100% 2044 * *

Parking/Driveway

Asphalt 80% Now \$11,000 2040 * *

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.

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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

Electrical		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%

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

\$2,400

5

\$300

Fuel Storage

Main Tank

100%

2071

* *

5

*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

\$500

Terminal Devices

Convactor/Radiator

100%

2036

* *

1

\$2,400

Air Conditioning

Energy Source

Electricity

100%

2047

* *

1

Conversion Equipment

Window/Wall Unit

80%

2026

\$21,700

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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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	\$4,100	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : Includes Make Up Air									
Exhaust Fans									
	Interior	90%			2026	\$28,600	2	\$200	
	Roof	10%			2031	\$1,400	2		
Plumbing									
H/C Water Piping									
	Brass/Copper	100%			2051	* *	1		
Water Heater With Tanks									
	Electric	100%			2029	\$23,100	4		
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%							

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$79,200	
Interior Architecture		\$23,100
Total	\$79,200	\$23,100
Importance Code A	\$79,200	
Importance Code C		\$23,100
Total	\$79,200	\$23,100

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$5,300	\$12,700		
Interior Architecture	\$29,900	\$3,100	\$900	
Electrical	\$100			
Mechanical	\$16,600	\$95,200	\$3,400	\$1,900
Total	\$51,900	\$111,100	\$4,300	\$1,900
Importance Code A	\$6,400	\$13,800	\$1,100	\$1,100
Importance Code B	\$45,500	\$97,300	\$3,300	\$900
Importance Code C				
Total	\$51,900	\$111,100	\$4,300	\$1,900



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

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

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

FIRE DEPARTMENT - 057
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	\$8,800	
	Pre-Cast Concrete	10%	2-4	\$1,600	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	\$79,200	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	\$3,800	LIFE	**	5	\$1,500	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%									
Location : South East Corner									
	Pre-Cast Concrete	15%			LIFE	**	5	\$1,700	
Roof									
	Modified Bitumen	100%			2036	**	10	\$12,700	
Soffits									
	Stucco Cement	100%			2044	**	5	\$4,100	
Interior									
Floors									
	Cast in Place Concrete	45%			LIFE	**	5	\$15,700	
	Ceramic Tile	2%	Now	\$7,000	2046	**	5	\$200	
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 : N/A, Area Affected : 3%									
Location : 1st Floor									
	Quarry Tile	5%			2044	**	5	\$1,200	
	Vinyl Tile	45%			2039	**	3	\$2,700	
Recent Replace Evident, Extent : N/A, 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	
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Recent Construction, Extent : N/A, Area Affected : 100%

Location : 1st Floor

Ceramic Tile	2%			2034	\$23,100	5		\$400	
Concrete Masonry Unit	20%			LIFE	**	5		\$1,700	
Gypsum Board	15%			LIFE	**	5		\$1,900	
Plaster	25%			LIFE	**	5		\$1,600	
SGFT/Glazed Masonry	35%			LIFE	**				

Ceilings

AcousTileConcealSpLn	10%			2044	**	5		\$2,000	
AcousTileSusp.Lay-In	40%			2036	**	5		\$6,300	
Exposed Struc: Concrete	50%	4+	\$22,900	LIFE	**	5		\$1,200	

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	\$28,800	1			
Conduit	20%			2051	**	1			

Panelboards

Fused Disc Sw	5%			2030	\$2,400	5			
Molded Case Bkrs	30%			2053	**	5		\$100	
Molded Case Bkrs	65%			2030	\$31,500	5		\$200	

Wiring

Thermoplastic	70%			2031	\$22,800	1			
Thermoplastic	30%			2057	**	1			

Motor Controllers

Locally Mounted	100%			2029	\$17,800	5		\$100	
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Lighting

Interior Lighting

LED	100%			2039	**				
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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	\$300	
	Hot Wtr Piping/Pump	50%	0-2	\$2,300	2039	* *	4	\$300	
		Controller Not Working, Extent : Severe, Area Affected : 100%							
		Location : Throughout. No Zoning And Seperate Temperature Control							
Terminal Devices									
	Convactor/Radiator	40%			2036	* *	1	\$1,400	
	Unit Heater - Steam	40%			2026	\$23,600	4	\$600	
	No Component	20%							
Air Conditioning									
	Energy Source								
	Electricity	100%			2039	* *	1		
	Conversion Equipment								
	Reciprocating Compr/Chiller	30%			2031	\$46,000	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%			2025	\$11,800	1		
	No Component	40%							
Terminal Devices									
	Air Handler/Cool/Ht	30%			2026	\$36,300	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 : N/A, Area Affected : 100%							
		Location : Roof Of Adjacent Building							
	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. 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	\$5,900	
Exhaust Fans									
	Roof	50%		2026		\$10,100	2	\$200	
	Roof	10%		2036		* *	2		
	No Component	40%							
Plumbing									
H/C Water Piping									
	Brass/Copper	100%		2041		* *	1		
Water Heater With Tanks									
	Electric	100%		2026		\$23,100	4		
	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		\$4,600	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		\$9,900	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.*

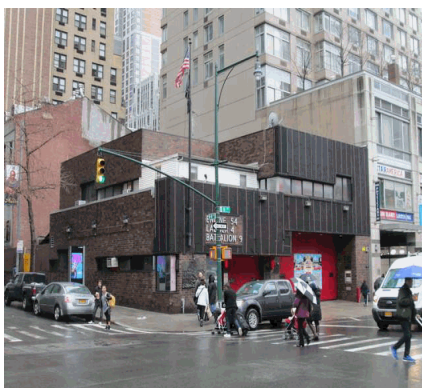
Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 54/ LADDER CO 4/ BATTALION 9
Address : 782 EIGHTH AVENUE
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.054 / 13044 **Yr Built/Renovated** : 1974 /
Area Sq Ft : 9,448 **Project Type** : FIRE DEPARTMENT
Date of Survey : 29-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1019 **Lot** : 61 **BIN** : 1024767

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$194,400	\$101,600
Interior Architecture	\$58,200	\$91,000
Electrical		\$63,500
Total	\$252,500	\$256,100
Importance Code A	\$194,400	\$101,600
Importance Code B	\$58,200	\$154,500
Total	\$252,500	\$256,100

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$20,600		\$100	
Interior Architecture	\$28,300	\$1,000	\$500	\$600
Electrical	\$3,300	\$700	\$800	\$700
Mechanical	\$16,900	\$6,300	\$33,000	\$6,500
Site Enclosure	\$6,200			
Total	\$75,300	\$8,000	\$34,400	\$7,900
Importance Code A	\$21,100	\$500	\$500	\$500
Importance Code B	\$48,000	\$7,300	\$33,800	\$7,400
Importance Code C	\$6,200	\$300		
Total	\$75,300	\$8,000	\$34,400	\$7,900



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

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 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%			2042	**	10	\$500	
	Masonry: Brick	80%	Now	\$194,400	LIFE	**	5	\$12,100	
	Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 30%								
	Location : Throughout								
	Loose Units, Extent : Severe, Area Affected : 15%								
	Location : Front Facade								
	Caulking Deteriorated, Extent : Severe, Area Affected : 10%								
	Location : Front And Side Facades								
	Water Penetration, Extent : Severe, Area Affected : 5%								
	Location : Stair To Basement, Kitchen Area								
	Other Observation, Extent : Severe, Area Affected : 50%								
	Location : Front Facade								
	Explanation : Protective Netting In Place								
	Metal Sect. OHD	10%			2045	**	5	\$4,700	
Windows									
	Aluminum	90%	Now	\$2,000	2040	**	5	\$200	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
	Location : Throughout								
	Glazing Clouded, Extent : Moderate, Area Affected : 50%								
	Location : Throughout								
	Water Penetration, Extent : Severe, Area Affected : 20%								
	Location : Windows Sills								
	Worn/Eroded, Extent : Severe, Area Affected : 20%								
	Location : Mortar Joints Of Window Sills								
	Other Observation, Extent : Severe, Area Affected : 20%								
	Location : Windows								
	Explanation : Rusting Lintels And Damaged Window Sills								
	Aluminum	10%			2048	**	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : 2nd Floor Battalion Office								
	Explanation : Three Windows Are Vinyl Replacement 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.
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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

Architecture		Current 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	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	8%	Now	\$1,500	LIFE	* *	5	\$300	
	Misaligned/Bulging, Extent : Severe, Area Affected : 15%							
	Location : Front Facade Coping Stones							
	Caulking Deteriorated, Extent : Severe, Area Affected : 50%							
	Location : Throughout							
	Water Penetration, Extent : Severe, Area Affected : 10%							
	Location : Open Joints Of Coping Stones							
Metal Panel	2%			2052	* *	5	\$100	
Roof								
Modified Bitumen	100%			2032	\$101,600	10	\$9,500	
	Ponding, Extent : Light, Area Affected : 10%							
	Location : Throughout							
	Water Penetration, Extent : Severe, Area Affected : 5%							
	Location : Truck Office On 1st Floor							
Soffits								
Metal Panel	100%			2052	* *	5-10		
Interior								
Floors								
Cast in Place Concrete	50%	Now	\$58,200	LIFE	* *	5	\$15,300	
	Cracking/Crumbling, Extent : Severe, Area Affected : 10%							
	Location : Apparatus Floor							
Ceramic Tile	10%			2041	* *	5	\$1,400	
Quarry Tile	5%			2037	* *	5	\$1,100	
Vinyl Tile	35%	Now	\$13,200	2037	* *	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%			2041	* *	5	\$500	
Concrete Masonry Unit	47%			LIFE	* *	5	\$2,000	
Gypsum Board	3%			LIFE	* *	5	\$200	
Plaster	10%			LIFE	* *	5	\$300	
SGFT/Glazed Masonry	35%			LIFE	* *			

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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									
	Ceilings								
	AcousTileSusp.Lay-In	40%			2030	\$91,000	5	\$5,600	
	Exposed Struc: Concrete	30%	0-2	\$12,300	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%	Now	\$3,700	2037	* *			
		Dry Rot/Decay, Extent : Severe, Area Affected : 100%							
		Location : Side Yard							
	Free Standing Walls								
	Masonry: Brick	100%	Now	\$2,500	2052	* *			
		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%			2052	* *			
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%			2045	* *			
	Parking/Driveway								
	Cast in Place Concrete	100%			2045	* *			
	Activity Yard								
	Cast in Place Concrete	100%			2045	* *			
Electrical									
		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts									
	Service Equipment								
	Fused Disc Sw	100%			2032	\$14,700	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Electrical Room								
	Explanation : One 400 Ampere Main Disconnect Switch								
Switchgear / Switchboard									
	Molded Case Bkrs	100%			2032	\$63,500	5	\$200	
Raceway									
	Conduit	90%			2032	\$32,400	1		
	Conduit	10%			2052	* *	1		
Panelboards									
	Fused Disc Sw	4%			2031	\$1,900	5		
	Fused Disc Sw	1%			2048	* *	5		
	Molded Case Bkrs	65%			2031	\$31,500	5	\$200	
	Molded Case Bkrs	30%			2048	* *	5	\$100	

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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									
Wiring									
	Thermoplastic	70%			2032	\$22,800	1		
	Thermoplastic	30%			2052	* *	1		
Motor Controllers									
	Locally Mounted	30%			2030	\$5,300	5		
	Locally Mounted	70%			2045	* *	5		
Ground									
Grounding Devices									
	Generic	100%			LIFE	* *	5	\$100	
Stand-by Power									
Transfer Switches									
	Automatic	100%			2037	* *	1	\$2,900	
Generators									
	Diesel	100%			2035	* *	1	\$3,700	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Generator Room Outside									
Explanation : One 80 Kilovolt Ampere									
Batteries									
	Lead/Acid	100%			2025	\$2,400	5	\$400	
Fuel Storage									
	Day Tank	50%			2040	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Generator Room Outside									
Explanation : One 60 Galllons									
	Main Tank	50%			2047	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Underground									
Explanation : One 1,000 Gallons									
Lighting									
Interior Lighting									
	LED	100%			2040	* *			
Egress Lighting									
	Emergency, Service	50%			2040	* *	1		
	No Component	50%							
Exterior Lighting									
	LED	20%			2040	* *			
	No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Energy Source								
	Natural Gas	100%			2052	* *	1		
	Conversion Equipment								
	Hot Water Boiler	100%			2045	* *	1	\$4,700	

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.

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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

Mechanical		Current Repair		Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
	Distribution							
	Hot Wtr Piping/Pump	100%		2048	**	4	\$500	
	Terminal Devices							
	Convactor/Radiator	80%		2037	**	1	\$2,400	
	Fan Coil Unit/Heat	20%		2032	\$45,800	1	\$600	
Air Conditioning								
	Energy Source							
	Electricity	100%		2048	**	1		
	Conversion Equipment							
	Exterior Pkg Unit - Cooling	25%		2037	**	2	\$100	
	Exterior Pkg Unit - Cooling	25%		2037	**	2	\$100	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Lower Roof</i> <i>Explanation : Unit Serves Kitchen And Member Room</i>						
	Split Unit	10%		2037	**			
		<i>Other Observation, Extent : Light, Area Affected : 10%</i> <i>Location : 2nd Floor</i> <i>Explanation : 1 Unit</i>						
	Window/Wall Unit	30%		2025	\$10,500	1		
	No Component	10%						
	Distribution							
	Ductwork/Diffusers	25%		LIFE	**	2	\$3,100	
	No Component	75%						
Ventilation								
	Distribution							
	Ductwork/Diffusers	100%		LIFE	**	2-5	\$5,300	
	Exhaust Fans							
	Roof	100%		2037	**	2	\$300	
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%		2042	**	1		
	Water Heater With Tanks							
	Gas Fired	100%		2027	\$16,700	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Basement</i> <i>Explanation : Two 75 Gallon Units</i>						
	Sanitary Piping							
	Cast Iron	100%		LIFE	**	1		
	Storm Drain Piping							
	Cast Iron	100%		LIFE	**	1		
	Sump Pump(s)							
	Non-Submersible	100%		2027	\$1,800	4	\$200	
		<i>Other Observation, Extent : Light, Area Affected : 100%</i> <i>Location : Basement</i> <i>Explanation : Duplex Unit</i>						

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. 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									
	Backflow Preventer								
	No Component	95%							
	Generic	5%			2037	* *	1		
Fixtures									
	Generic	100%							
Fire Suppression									
	Sprinkler								
	No Component	95%							
	Generic	5%			2052	* *	1-2	\$100	
Chemical System									
	Generic	100%			2030	\$15,900	1-3	\$74,400	

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 55
Address : 363 BROOME STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.055 / 13045 **Yr Built/Renovated** : 1898 / 1998
Area Sq Ft : 7,363 **Project Type** : FIRE DEPARTMENT
Date of Survey : 12-Oct-2021 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3,Ph
Block : 470 **Lot** : 12 **BIN** : 1066722

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$126,100	
Total	\$126,100	
Importance Code B	\$70,300	
Importance Code C	\$55,800	
Total	\$126,100	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$4,600	\$3,600		\$800
Interior Architecture	\$10,800	\$6,500		
Electrical	\$800	\$3,600	\$800	\$1,300
Mechanical	\$6,100	\$5,900	\$15,900	\$5,900
Total	\$22,300	\$19,700	\$16,700	\$8,000
Importance Code A	\$5,400	\$4,300	\$700	\$1,600
Importance Code B	\$12,200	\$15,300	\$15,900	\$6,500
Importance Code C	\$4,800			
Total	\$22,300	\$19,700	\$16,700	\$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.

** 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	20%			LIFE	**	5	\$6,600	
	Masonry: Limestone	73%			LIFE	**	5	\$18,100	
Staining/Discoloring, Extent : Moderate, Area Affected : 10%									
Location : Front Facade									
	Metal Sect. OHD	7%			2046	**	5	\$7,200	
Windows									
	Aluminum	50%			2055	**	5	\$800	
	Wood	50%			2055	**	5	\$8,400	
Parapets									
	Masonry: Brick	90%			LIFE	**	5	\$2,300	
	Masonry: Sandstone	10%			LIFE	**	5	\$300	
Roof									
	Copper/Terne	5%			2068	**	10	\$800	
	Modified Bitumen	90%			2041	**	10	\$6,100	
	Skylight, Metal/Glass	5%			2059	**	10	\$1,100	
Water Penetration, Extent : Moderate, Area Affected : 50%									
Location : First Story Skylight At Rear Of Building. When It Rains Only.									
Interior									
Floors									
	Cast in Place Concrete	35%	Now	\$70,300	LIFE	**	5	\$8,400	
Cracking/Crumbling, Extent : Severe, Area Affected : 25%									
Location : Basement									
	Ceramic Tile	5%			2046	**	5	\$600	
	Wood	60%			2061	**	5	\$12,400	
Interior Walls									
	Concrete Masonry Unit	5%			LIFE	**	5	\$400	
	Gypsum Board	45%			LIFE	**	5	\$4,900	
	Masonry: Brick	15%	Now	\$55,800	LIFE	**			
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%									
Location : Basement									
Water Penetration, Extent : Light, Area Affected : 10%									
Location : Basement									
	Plaster	10%	Now	\$4,800	LIFE	**	5	\$500	
Water Penetration, Extent : Severe, Area Affected : 5%									
Location : Third Floor Facade Window At Stairway									
	SGFT/Glazed Masonry	20%			LIFE	**			
	Wood	5%			LIFE	**	5	\$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. 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

Ceilings

AcousTileSusp.Lay-In	45%			2050		**	5	\$5,000	
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%	Now	\$3,600	LIFE		**	5	\$500	
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Corrosion/Rusting, Extent : Severe, Area Affected : 5%

Location : Stairway Leading Up To Fourth Floor

Water Penetration, Extent : Severe, Area Affected : 5%

Location : Stairway Leading Up To Fourth Floor

Exposed Struc: Steel	15%			LIFE		**			
Gypsum Board	5%			LIFE		**	5	\$700	

Site Pavements

Public Sidewalk

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

Cast in Place Concrete	100%			2046		**			
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Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2043		**	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement 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%			2043		**	1		
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Panelboards

Molded Case Bkrs	100%			2041		**	5	\$200	
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Wiring

Thermoplastic	100%			2043		**	1		
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Motor Controllers

Locally Mounted	100%			2038		**	5	\$100	
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Ground

Grounding Devices

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

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

Estimates are rounded to the nearest hundred dollars.

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 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%			2038	* *	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%			2036	* *	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%			2026	\$2,600	5	\$300	
Fuel Storage								
Day Tank	15%			2041	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : The Day Tank Is A 75 Gallon Stand Alone Tank.								
Main Tank	85%			2048	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : The Main Tank Is A 550 Gallon Diesel Main Fuel Tank.								
Lighting								
Interior Lighting								
LED	100%			2041	* *			
Egress Lighting								
Emergency, Service	25%			2041	* *	1		
Emergency, Battery	25%			2038	* *	10	\$400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Path Of Egress. Stairs And Hallways								
Explanation : The Emergency Lights Are Battery Operated Emergency Lights.								
Exit, LED	50%			2068	* *	1		
Exterior Lighting								
LED	20%			2041	* *			
No Component	80%							
Alarm								
Security System								
Generic	100%			2041	* *	1	\$2,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Exterior And One Interior At The Entrance Gate								
Explanation : Surveillance Cameras 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

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific 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
Heating									
	Energy Source								
	Natural Gas	100%			2053	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2046	* *	1	\$7,300	
	Distribution								
	Central Plant Steam Piping/Pmp	100%			2053	* *	4	\$500	
	Terminal Devices								
	Convactor/Radiator	100%			2046	* *	1	\$2,400	
Air Conditioning									
	Energy Source								
	Electricity	100%			2049	* *	1		
	Conversion Equipment								
	Exterior Pkg Unit - Cooling	20%			2038	* *	2	\$100	
		R-410a Refrigerant, Extent : Light, Area Affected : 100%							
		Location : Roof							
	Split Unit	70%			2041	* *			
	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%			2033	\$8,800	2	\$100	
	Roof	70%			2038	* *	2	\$200	
		Other Observation, Extent : Light, Area Affected : 70%							
		Location : Kitchen							
		Explanation : Kitchen Exhaust							
	No Component	5%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2053	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2031	\$36,600	2		
		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%			2027	\$200	4	\$200	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Units In 2 Locations							
	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%							
Fire Suppression									
	Chemical System								
	Wet	100%			2033	\$15,700	1-3	\$75,000	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : 1st Floor Kitchen							
		Explanation : Ansul System, Kitchen Hood Covers 18 Square Feet (3x6).							

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

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

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 58/ LADDER CO. 26
Address : 1367 FIFTH AVENUE
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.058 / 13046 **Yr Built/Renovated** : 1960 /
Area Sq Ft : 8,100 **Project Type** : FIRE DEPARTMENT
Date of Survey : 30-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1618 **Lot** : 1 **BIN** : 1080501

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Electrical		\$63,500
Total		\$63,500
Importance Code B		\$63,500
Total		\$63,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$37,800		\$3,900	
Interior Architecture	\$44,200		\$2,700	
Electrical	\$6,500		\$23,800	\$100
Mechanical	\$6,500	\$6,200	\$37,200	\$6,400
Site Enclosure	\$2,600			
Site Pavements	\$1,900			
Total	\$99,500	\$6,200	\$67,700	\$6,500
Importance Code A	\$38,200	\$400	\$4,400	\$400
Importance Code B	\$43,300	\$5,800	\$63,300	\$6,100
Importance Code C	\$18,000			
Total	\$99,500	\$6,200	\$67,700	\$6,500



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

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

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

FIRE DEPARTMENT - 057
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	80%	4+	\$27,000	LIFE	**	5	\$16,800	
	Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%							
	Location : Facades							
Metal Panel	10%			2052	**	5-10	\$14,400	
Metal Sect. OHD	10%			2045	**	5	\$6,600	
Windows								
Aluminum	100%	Now	\$2,500	2048	**	5	\$300	
	Air Infiltration, Extent : Moderate, Area Affected : 10%							
	Location : First Floor Watch Room, Stair Tower							
	Water Penetration, Extent : Moderate, Area Affected : 10%							
	Location : First Floor Watch Room							
Parapets								
Masonry: Brick	80%			LIFE	**	5	\$1,700	
Metal Rail	10%			2045	**	5-10	\$3,800	
Pre-Cast Concrete	10%			LIFE	**	5	\$1,300	
Roof								
Modified Bitumen	95%	Now	\$2,700	2037	**			
	Seams Open/Split, Extent : Severe, Area Affected : 2%							
	Location : Near Base Of Parapet Wall							
Plaza Roof: Stone Panels	5%			2042	**			
Soffits								
Cast in Place Concrete	100%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	53%	4+	\$10,700	LIFE	**	5	\$14,100	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 5%							
	Location : 1st Floor Apparatus Area							
Ceramic Tile	10%	Now	\$13,400	2041	**	5	\$600	
	Worn/Eroded, Extent : Severe, Area Affected : 40%							
	Location : 2nd Floor Bathrooms And Shower							
	Other Observation, Extent : Moderate, Area Affected : 5%							
	Location : 2nd Floor Shower							
	Explanation : Shower Leaks Causing Mold							
Quarry Tile	5%			2045	**	5	\$900	
Sheet Vinyl/Rubber	30%			2037	**	5	\$5,500	
Wood	2%			2060	**	5	\$500	

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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

Architecture		Current 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	\$6,500	2041	**	5	\$200	
	Broken/Missing Elements, Extent : Severe, Area Affected : 5%								
	Location : Bathrooms And Showers 2nd Floor								
	Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
	Location : Toilets And Showers 2nd Floor								
	Worn/Eroded, Extent : Severe, Area Affected : 20%								
	Location : 2nd Floor Bathrooms And Shower								
	Concrete Masonry Unit	15%	Now	\$2,200	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	\$1,200	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	\$5,000	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%	4+	\$600	2045	**	5	\$900	
	Staining/Discoloring, Extent : Light, Area Affected : 5%								
	Location : Kitchen, Dining Area								
	Exposed Struc: Concrete	30%			LIFE	**	5	\$600	
	Plaster	55%	4+	\$4,000	LIFE	**	5	\$4,200	
	Paint Peeling, Extent : Light, Area Affected : 5%								
	Location : 2nd Floor Showers								
Site Enclosure									
	Fence/Gates								
	Chain Link	100%	4+	\$2,600	2052	**			
	Corrosion/Rusting, Extent : Light, Area Affected : 10%								
	Location : Rear Yard								
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%	4+	\$1,400	2045	**			
	Cracking/Crumbling, Extent : Moderate, 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%	Now	\$500	2045	* *			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 10%</i>								
<i>Location : Rear Yard And Side Walkways</i>								

Parking/Driveway

Cast in Place Concrete	100%			2045	* *			
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Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2032	\$14,700	5		
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Basement</i>								
<i>Explanation : One 400 Ampere Main Disconnect Switch</i>								

Switchgear / Switchboard

Fused Disc Sw	100%			2032	\$63,500	5		
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Raceway

Conduit	80%			2032	\$28,800	1		
Conduit	20%			2052	* *	1		

Panelboards

Fused Disc Sw	5%			2031	\$2,400	5		
Molded Case Bkrs	85%			2048	* *	5		\$200
Molded Case Bkrs	10%			2031	\$4,800	5		

Wiring

Braided Cloth	20%	2-4	\$6,500	2057	* *	1		
<i>Insulation Aged, Extent : Moderate, Area Affected : 100%</i>								
<i>Location : Basement</i>								

Thermoplastic	60%			2052	* *	1		
Thermoplastic	20%			2032	\$6,500	1		

Motor Controllers

Locally Mounted	100%			2030	\$17,800	5		\$100
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Ground

Grounding Devices

Generic	100%			LIFE	* *	5		\$100
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Lighting

Interior Lighting

Fluorescent	95%			2037	* *	10		\$7,100
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								

Incandescent	5%			2032	\$4,900	2		
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Egress Lighting

Emergency, Battery	50%			2027	\$6,600	10		\$1,000
Exit, Service	50%			2027	\$1,700	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 58/ LADDER CO. 26
Asset # : 13046

Electrical		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%			2027	\$7,400	10	
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No Component	80%						
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Mechanical		Current Repair		Future 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%			2052	* *	1	
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Conversion Equipment

Hot Water Boiler	100%			2045	* *	1	\$4,000
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Distribution

Hot Wtr Piping/Pump	100%			2040	* *	4	\$400
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Terminal Devices

Convactor/Radiator	90%			2037	* *	1	\$2,400
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Unit Heater - Hot Water	10%			2032	\$4,700		
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Air Conditioning

Energy Source

Electricity	100%			2040	* *	1	
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Conversion Equipment

Window/Wall Unit	80%			2027	\$24,000	1	
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No Component	20%						
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Ventilation

Distribution

Ductwork/Diffusers	100%			LIFE	* *	2-5	\$4,500
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Exhaust Fans

Roof	90%			2032	\$13,800	2	\$200
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Wall Unit	10%			2032	\$300	2	
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Plumbing

H/C Water Piping

Brass/Copper	100%			2042	* *	1	
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Water Heater With Tanks

Gas Fired	100%			2030	\$16,700	2	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Two 75 Gallon Units*

Sanitary Piping

Cast Iron	100%			LIFE	* *	1	
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Storm Drain Piping

Cast Iron	100%			LIFE	* *	1	
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Sump Pump(s)

Submersible	100%			2025	\$200	4	\$300
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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
Plumbing									
	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								
	Generic	100%			2030	\$15,900	1-3	\$74,400	

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 59/ LADDER CO. 30
Address : 111 WEST 133rd STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.059 / 13047 **Yr Built/Renovated** : 1962 /
Area Sq Ft : 8,480 **Project Type** : FIRE DEPARTMENT
Date of Survey : 12-Jan-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 1918 **Lot** : 24 **BIN** : 1058225

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$200,500	\$120,700
Total	\$200,500	\$120,700
Importance Code A	\$200,500	\$120,700
Total	\$200,500	\$120,700

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$9,900		\$1,900	
Interior Architecture	\$54,200	\$900	\$3,300	\$100
Electrical	\$3,300	\$600	\$600	\$600
Mechanical	\$9,700	\$6,200	\$41,500	\$6,400
Site Enclosure	\$27,700			
Site Pavements	\$19,300			
Total	\$124,200	\$7,600	\$47,400	\$7,000
Importance Code A	\$10,400	\$400	\$2,300	\$400
Importance Code B	\$35,200	\$6,300	\$45,100	\$6,600
Importance Code C	\$78,600	\$900		
Total	\$124,200	\$7,600	\$47,400	\$7,000



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
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	\$2,600	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	\$128,100	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%			2042	**	5-10	\$6,800	
	Metal Sect. OHD	10%	2-4	\$3,500	2045	**	5	\$3,100	
	Deformed/Dented, Extent : Light, Area Affected : 5%								
	Location : South Side								
Windows									
	Aluminum	100%	Now	\$2,300	2048	**	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	2060	**			
	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	\$1,200	2045	**	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									
	Asphalt Shingle	5%			2041	**	10	\$100	
	Modified Bitumen	95%	Now	\$72,400	2032	\$120,700			
	Blisters, Extent : Moderate, Area Affected : 20%								
	Location : 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	\$8,400	LIFE	**	5	\$11,100	
	Cracking/Crumbling, Extent : Light, Area Affected : 5%								
	Location : Basement								
	Ceramic Tile	10%	0-2	\$1,400	2041	**	5	\$600	
	Worn/Eroded, Extent : Moderate, Area Affected : 10%								
	Location : Upper Level Toilet								
	Quarry Tile	5%			2045	**	5	\$1,000	
	Worn/Eroded, Extent : Light, Area Affected : 10%								
	Location : Kitchen								
	Sheet Vinyl/Rubber	35%			2037	**	5	\$6,700	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : 2nd Floor								
	Explanation : Rubber Tile								
	Vinyl Tile	5%	Now	\$1,700	2037	**	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	\$700	2060	**	5	\$600	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
	Location : Television Room								
Interior Walls									
	Ceramic Tile	10%			2041	**	5	\$1,700	
	Gypsum Board	5%			LIFE	**	5	\$500	
	Plaster	45%	Now	\$9,300	LIFE	**	5	\$2,400	
	Spalling, Extent : Severe, Area Affected : 15%								
	Location : 2nd Floor And Janitor Closet								
	Water Penetration, Extent : Severe, Area Affected : 15%								
	Location : Janitors Closet								
	Plywood/Hardboard	5%			LIFE	**			
	SGFT/Glazed Masonry	35%	4+	\$26,800	LIFE	**			
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : First Floor Main 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
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	\$400	2037	* *	5	\$600	
		Broken/Missing Elements, Extent : Moderate, Area Affected : 5%							
		Location : Kitchen							
		Staining/Discoloring, Extent : Light, Area Affected : 10%							
		Location : Kitchen							
	Exposed Struc: Concrete	25%			LIFE	* *	5	\$500	
		Paint Peeling, Extent : Light, Area Affected : 10%							
		Location : Throughout							
	Plaster	65%	Now	\$4,900	LIFE	* *	5	\$5,200	
		Broken/Missing Elements, Extent : Severe, Area Affected : 20%							
		Location : 2nd Floor							
		Water Penetration, Extent : Severe, Area Affected : 5%							
		Location : Throughout 2nd Floor							
Site Enclosure									
	Fence/Gates								
	Chain Link	98%	Now	\$26,600	2062	* *			
		Broken/Missing Elements, Extent : Severe, Area Affected : 5%							
		Location : Side Yard							
		Corrosion/Rusting, Extent : Moderate, Area Affected : 25%							
		Location : Side Yard, Rear Yard							
		Impact Damage, Extent : Severe, Area Affected : 10%							
		Location : Side Yard							
	Iron Picket	2%			2052	* *			
		Deteriorated Finish, Extent : Light, Area Affected : 25%							
		Location : Throughout							
	Free Standing Walls								
	Masonry: Brick	100%	4+	\$1,100	2042	* *			
		Joint Mortar Miss/Erod, Extent : Light, Area Affected : 15%							
		Location : Throughout							
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%	4+	\$3,400	2045	* *			
		Cracking/Crumbling, Extent : Light, Area Affected : 10%							
		Location : Front							
	On-Site Walkways								
	Cast in Place Concrete	100%	4+	\$300	2037	* *			
		Cracking/Crumbling, Extent : Light, Area Affected : 10%							
		Location : Rear And Side Yards							

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

Parking/Driveway

Asphalt

100% Now \$14,400 2041 * *

Cracking/Crumbling, Extent : Moderate, Area Affected : 20%
Location : Side Yard And Edge Of Property
Ponding, Extent : Moderate, Area Affected : 10%
Location : Side Yard
Potholes, Extent : Moderate, Area Affected : 5%
Location : Side Yard

Activity Yard

Cast in Place Concrete

100% 2-4 \$1,200 2037 * *

Cracking/Crumbling, Extent : Light, Area Affected : 20%
Location : Rear Yard

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

Under 600 Volts

Service Equipment

Fused Disc Sw

100% 2042 * * 5

Other Observation, Extent : N/A, Area Affected : 100%
Location : Basement
Explanation : One 400 Ampere Main Disconnect Switch

Raceway

Conduit

100% 2042 * * 1

Panelboards

Fused Disc Sw

5% 2040 * * 5

Molded Case Bkrs

95% 2040 * * 5 \$200

Wiring

Thermoplastic

100% 2042 * * 1

Motor Controllers

Locally Mounted

100% 2037 * * 5 \$100

Ground

Grounding Devices

Generic

100% LIFE * * 5 \$100

Stand-by Power

Transfer Switches

Automatic

100% 2037 * * 1 \$2,600

Generators

Diesel

100% 2035 * * 1 \$3,300

Other Observation, Extent : N/A, Area Affected : 100%

Location : Outside

Explanation : One 60 Kilovolt Ampere

Batteries

Lead/Acid

100% 2025 \$2,400 5 \$300

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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	

Stand-by Power

Fuel Storage

Day Tank

10%

2057

* *

5

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Generator Located Outside**Explanation : One 60 Gallon*

Main Tank

90%

2047

* *

5

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : 550 Gallon*

Lighting

Interior Lighting

Fluorescent

45%

2032

\$32,400

10

\$3,500

*Other Observation, Extent : N/A, Area Affected : 100%**Location : 1st Floor**Explanation : T-8 Lamps*

LED

55%

2042

* *

Egress Lighting

Emergency, Service

20%

2032

\$1,000

1

Emergency, Service

40%

2042

* *

1

Exit, LED

30%

2072

* *

1

Exit, Service

10%

2032

\$400

1

Exterior Lighting

HID

30%

2032

\$11,600

10

No Component

70%

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

Heating

Energy Source

Natural Gas

100%

2052

* *

1

Conversion Equipment

Furnace

5%

2032

\$1,300

1

\$200

Hot Water Boiler

95%

2045

* *

1

\$4,000

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One Gas Fired Sectional Hot Water Boiler*

Distribution

Hot Wtr Piping/Pump

100%

2048

* *

4

\$400

Terminal Devices

Convactor/Radiator

90%

2037

* *

1

\$2,500

Unit Heater - Hot Water

10%

2027

\$4,900

Air Conditioning

Energy Source

Electricity

100%

2048

* *

1

*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. 59/ LADDER CO. 30
Asset # : 13047

Mechanical		Current Repair		Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning								
	Conversion Equipment							
	Split Unit	75%		2037	**			
	Window/Wall Unit	10%		2025	\$3,100	1		
	No Component	15%						
	Terminal Devices							
	Air Handler/Dir	75%		2037	**	1		
	Expansion							
	No Component	25%						
Ventilation								
	Distribution							
	Ductwork/Diffusers	100%		LIFE	**	2-5	\$4,700	
	Exhaust Fans							
	Interior	20%		2027	\$7,300	2	\$100	
	Roof	80%		2037	**	2	\$200	
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%		2042	**	1		
	Water Heater With Tanks							
	Gas Fired	100%		2030	\$16,700	2		
	<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Two 75 Gallon Units</i>							
	Sanitary Piping							
	Cast Iron	100%		LIFE	**	1		
	Storm Drain Piping							
	Cast Iron	100%		LIFE	**	1		
	Sump Pump(s)							
	Submersible	100%		2025	\$300	4	\$300	
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Generic	100%		2027	\$15,900	1-3	\$74,400	
	<i>Other Observation, Extent : Light, Area Affected : 1%</i>							
	<i>Location : First Floor Kitchen</i>							
	<i>Explanation : Ansul Fire Suppression System Inspection Past Due</i>							

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture		\$5,600	\$700	
Interior Architecture	\$9,600	\$300		
Electrical	\$2,800	\$400	\$400	\$300
Mechanical	\$9,600	\$2,100	\$2,800	\$1,200
Total	\$22,100	\$8,400	\$3,900	\$1,500
Importance Code A	\$200	\$5,900	\$1,000	\$200
Importance Code B	\$20,500	\$2,500	\$3,000	\$1,300
Importance Code C	\$1,400			
Total	\$22,100	\$8,400	\$3,900	\$1,500



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

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 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	\$18,400	
Masonry: Limestone	20%			LIFE	**	5	\$3,800	
Metal Sect. OHD	5%			2044	**	5	\$3,900	
Granite Panels	2%			LIFE	**	5	\$400	
Windows								
Aluminum	100%			2047	**	5	\$1,400	
Parapets								
Copper/Terne	5%			2051	**	5	\$400	
Masonry: Brick	80%			LIFE	**	5	\$1,200	
Metal Rail	5%			2044	**	5-10	\$1,400	
Pre-Cast Concrete	10%			LIFE	**	5	\$1,000	
Roof								
Modified Bitumen	100%			2036	**	10	\$5,500	
Interior								
Floors								
Cast in Place Concrete	25%	4+	\$3,100	LIFE	**	5	\$4,100	
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	\$23,900	5	\$600	
Wood	55%	4+	\$4,800	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	\$1,100	
Gypsum Board	40%			LIFE	**	5	\$3,300	
SGFT/Glazed Masonry	20%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	15%			2044	**	5	\$1,100	
Exposed Struc: Concrete	25%			LIFE	**	5	\$300	
Exposed Struc: Steel	10%			LIFE	**			
Gypsum Board	45%			LIFE	**	5	\$4,200	
Metal Panel	5%			LIFE	**	5	\$500	
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	**			

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

Under 600 Volts

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

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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 : N/A, 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	\$2,400	5	\$200	
	Fuel Storage								
	Main Tank	100%			2059	* *	5		
		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%							

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** 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 : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 2 Units							
	Distribution								
	Hot Wtr Piping/Pump	80%	0-2	\$5,100	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								
	Convactor/Radiator	80%			2044	* *	1	\$1,300	
	Unit Heater - Steam	20%			2036	* *	4	\$100	
Air Conditioning									
	Energy Source								
	Electricity	100%			2047	* *	1		
	Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	90%			2036	* *	2	\$300	
		R-22 Refrigerant, Extent : Light, Area Affected : 100%							
		Location : Roof							
	Window/Wall Unit	10%			2029	\$1,900	1		
	Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2	\$6,500	
Ventilation									
	Exhaust Fans								
	Interior	40%			2036	* *	2	\$100	
	Interior	10%	Now	\$2,200	2041	* *	2		
		Malfunctioning, Extent : Moderate, Area Affected : 100%							
		Location : Kitchen Exhaust Fan Malfunctioning							
	Roof	10%	Now	\$100	2031	\$900	2		
		Malfunctioning, Extent : Moderate, Area Affected : 100%							
		Location : Women Bathroom, Bathroom Exhaust Van Not Working							
	Roof	40%			2031	\$3,800	2	\$100	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2051	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 2 Units 74 Gallons							

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** 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	\$900	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	\$1,600	1-3	\$8,300	
	No Component	90%							

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

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$388,400	
Interior Architecture	\$67,800	\$467,000
Site Pavements		\$75,900
Total	\$456,200	\$542,900
Importance Code A	\$388,400	
Importance Code B		\$205,900
Importance Code C	\$67,800	\$337,000
Total	\$456,200	\$542,900

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$91,000	\$6,400		
Interior Architecture	\$24,700			
Electrical	\$11,000	\$9,200	\$900	\$800
Mechanical	\$8,100	\$58,600	\$7,700	\$7,000
Site Pavements	\$1,500			
Total	\$136,400	\$74,100	\$8,600	\$7,800
Importance Code A	\$92,100	\$7,500	\$1,100	\$1,100
Importance Code B	\$38,500	\$66,600	\$7,500	\$6,600
Importance Code C	\$5,800			
Total	\$136,400	\$74,100	\$8,600	\$7,800



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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								
Exterior Walls								
Alum/Vinyl Siding	5%			2041	**	10	\$600	
Cast Stone/Terra Cotta	5%	4+	\$18,500	LIFE	**	5	\$14,900	
Staining/Discoloring, Extent : Moderate, Area Affected : 20%								
Location : Street Facade								
Masonry: Brick	72%	Now	\$220,500	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	\$4,400	LIFE	**	5	\$1,400	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
Location : Street Facade								
Masonry: Limestone	5%	4+	\$11,000	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 : N/A, Area Affected : 100%								
Location : Second Floor Windows								

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FIRE DEPARTMENT - 057
ENGINE CO. 60/ LADDER CO. 17
Asset # : 13048

Architecture		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior									
Parapets									
	Cast Stone/Terra Cotta	5%	Now	\$3,200	LIFE	* *	5	\$1,100	
	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	\$9,100	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	\$52,700	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	\$7,200	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 : N/A, 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	\$11,500	2026	\$115,200			
	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	\$7,700	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 : N/A, Area Affected : 100%							
	Location : Lower Roof							
Skylight, Metal/Glass	10%	0-2	\$18,500	2041	* *			
	Deformed/Dented, Extent : Moderate, Area Affected : 20%							
	Location : Skylight Components On Main Roof							
	Recent Replace Evident, Extent : N/A, Area Affected : 30%							
	Location : Glass At Skylights							
Interior								
Floors								
Cast in Place Concrete	10%			LIFE	* *	5	\$3,900	
	Recent Replace Evident, Extent : N/A, Area Affected : 100%							
	Location : Basement							
Cast in Place Concrete	35%			LIFE	* *	5	\$13,500	
Ceramic Tile	5%			2034	\$48,700	5	\$900	
Quarry Tile	5%			2044	* *	5	\$1,300	
Sheet Vinyl/Rubber	25%			2039	* *	5	\$6,600	
	Other Observation, Extent : N/A, Area Affected : 100%							
	Location : Second Floor							
	Explanation : Recent Replacement Of New Rubber Tiles							
Wood	20%	2-4	\$10,300	2034	\$205,900	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	\$261,100	5	\$4,900	
Glass: Single Pane	8%			LIFE	**	5	\$1,500	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Second Floor								
Explanation : Officers Rooms								
Gypsum Board	5%			LIFE	**	5	\$700	
Masonry: Brick	30%	2-4	\$67,800	LIFE	**			
Spalling, Extent : Moderate, Area Affected : 15%								
Location : Basement Vault, Rear And Side Walls								
Plaster	37%	Now	\$4,300	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	\$6,500	LIFE	**	5	\$2,000	
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : Apparatus Floor								
Exposed Struc: Concrete	10%			LIFE	**	5	\$300	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rear Portion Of Basement								
Explanation : Slab Not Replaced								
Exposed Struc: Steel	10%			LIFE	**			
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Corrugated Metal Below Apparatus Floor								
Gypsum Board	5%			LIFE	**	5	\$1,100	
Plaster	35%	4+	\$3,700	LIFE	**	5	\$3,900	
Paint Peeling, Extent : Light, Area Affected : 5%								
Location : Third Floor At Skylights								
Recent Repair Evident, Extent : N/A, 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	\$1,500	2034	\$75,900			
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	\$200	
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	\$2,400	5	\$400	
Fuel Storage									
	Main Tank	100%			2059	* *	5		
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	\$7,600	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	100%			2041	* *	4	\$800	
	Piping/Pmp								
	Terminal Devices								
	Convector/Radiator	80%			2036	* *	1	\$2,900	
	Unit Heater - Steam	20%			2031	\$12,500	4	\$200	
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	\$12,500	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	\$1,900	
			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	\$14,600	2	\$100	
			Other Observation, Extent : Moderate, Area Affected : 25%						
			Location : 3rd Floor						
			Explanation : Exhaust Fan In 3rd Floor Locker Room						
	Roof	10%			2031	\$2,100	2		
	Wall Unit	60%			2031	\$2,800	2	\$200	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2041	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2026	\$16,700	2		
			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%			2025	\$300	4	\$400	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2026	\$15,900	1-3	\$74,400	

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$434,900	
Interior Architecture		\$261,900
Total	\$434,900	\$261,900
Importance Code A	\$434,900	
Importance Code B		\$129,900
Importance Code C		\$132,000
Total	\$434,900	\$261,900

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$100,500	\$600		
Interior Architecture	\$90,800	\$2,100		\$300
Electrical	\$20,000	\$21,100		
Mechanical	\$50,200	\$26,300	\$7,100	\$6,500
Total	\$261,600	\$50,100	\$7,100	\$6,800
Importance Code A	\$101,100	\$1,300	\$600	\$700
Importance Code B	\$145,200	\$48,800	\$6,400	\$6,100
Importance Code C	\$15,200			
Total	\$261,600	\$50,100	\$7,100	\$6,800



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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	\$9,800	2041	**			
Broken/Missing Elements, Extent : Severe, Area Affected : 10%									
Location : Siding Missing On North Wall									
	Masonry: Brick	70%	Now	\$143,600	LIFE	**	5	\$17,900	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 65%									
Location : All Facades									
	Masonry: Granite	3%			LIFE	**	5	\$600	
	Masonry: Limestone	7%	Now	\$13,700	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	\$9,000	2044	**	5	\$4,000	
Deformed/Dented, Extent : Moderate, Area Affected : 10%									
Location : Front Facade									
Windows									
	Aluminum	100%	Now	\$9,600	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	\$44,000	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	\$200	
	Metal Cornice	15%	Now	\$4,900	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	\$3,300	10	\$100	
	Modified Bitumen	65%	Now	\$86,400	2041	* *			
	Blisters, Extent : Severe, Area Affected : 75%								
	Location : Roof								
	Water Penetration, Extent : Severe, Area Affected : 10%								
	Location : Gymnasium								
	Roll Roofing	20%	Now	\$9,500	2033	\$15,800	5	\$2,100	
	Blisters, Extent : Severe, Area Affected : 75%								
	Location : Lower Roof								
	Skylight, Metal/Glass	10%	Now	\$205,000	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	\$49,500	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	\$65,600	5	\$1,200	
	Quarry Tile	5%			2036	* *	5	\$900	
	Vinyl Tile	20%	2-4	\$3,200	2031	\$64,300	3	\$900	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 50%								
	Location : 2nd Floor								
	Wood	15%			2046	* *	5	\$3,400	
Interior Walls									
	Ceramic Tile	15%			2034	\$132,000	5	\$2,500	
	Gypsum Board	20%			LIFE	* *	5	\$2,000	
	Masonry: Brick	25%	Now	\$15,200	LIFE	* *			
	Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
	Location : Basement								
	Plaster	20%			LIFE	* *	5	\$1,000	
	Plywood/Hardboard	15%			LIFE	* *			
	SGFT/Glazed Masonry	5%			LIFE	* *			

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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	\$600	2044	* *	5	\$900	
	Broken/Missing Elements, Extent : Severe, Area Affected : 10%							
	Location : 2nd Floor Various Locations							
Embossed Metal	50%	Now	\$15,300	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 Struc: Concrete	20%	Now	\$7,000	LIFE	* *	5	\$400	
	Cracking/Crumbling, Extent : Severe, Area Affected : 15%							
	Location : Basement							
Plaster	10%			LIFE	* *	5	\$700	
Plywood/Hardboard	5%			2051	* *	1		
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2044	* *			

Electrical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2031	\$14,700	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : One 200 Ampere Main Disconnect Switch								
Raceway								
Conduit	100%			2031	\$36,000	1		
Panelboards								
Fused Disc Sw	5%			2030	\$2,400	5		
Molded Case Bkrs	95%			2030	\$46,000	5	\$200	
Wiring								
Braided Cloth	30%	0-2	\$9,800	2056	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%								
Location : Throughout The Building								
Thermoplastic	70%			2031	\$22,800	1		
Motor Controllers								
Locally Mounted	100%			2029	\$17,800	5		

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

FIRE DEPARTMENT - 057
ENGINE CO. 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 \$17,500 10 \$1,900
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%
Location : Basement

Incandescent
LED

2% 2026 \$1,700 2
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 \$500

Terminal Devices

Convactor/Radiator

90% 2036 * * 1 \$2,000

Unit Heater - Steam

10% 2031 \$3,800 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.
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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
Air Conditioning									
	Conversion Equipment								
	Exterior Pkg Unit - Cooling	30%	Now	\$13,300	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	\$16,000			
	Window/Wall Unit	40%			2026	\$10,200	1		
	No Component	20%							
Distribution									
	Ductwork/Diffusers	30%	Now	\$21,200	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	\$8,900	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 With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
		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%			2025	\$200	4	\$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. 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	\$15,900	1-3	\$83,300	
		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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 22-Sep-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 4997 **Lot** : 13 **BIN** : 2068155

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$99,000		\$5,700	
Interior Architecture	\$39,700		\$4,000	\$900
Electrical	\$1,200	\$800	\$800	\$3,200
Mechanical	\$8,600	\$900	\$3,800	\$900
Total	\$148,500	\$1,700	\$14,400	\$5,000
Importance Code A	\$99,400	\$400	\$6,100	\$400
Importance Code B	\$32,100	\$1,300	\$8,300	\$4,600
Importance Code C	\$17,000			
Total	\$148,500	\$1,700	\$14,400	\$5,000



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

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

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

FIRE DEPARTMENT - 057
ENGINE CO. 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	\$34,100	
Cast Stone/Terra Cotta	25%			LIFE	**	5	\$88,700	
Cement - Fiber Panel	20%			2039	**	10	\$14,200	
Masonry: Brick	30%			LIFE	**	5	\$13,600	
Wood Overhead Doors	10%			2047	**	5	\$11,400	
Windows								
Aluminum	100%			2050	**	5	\$700	
Parapets								
Cast Stone/Terra Cotta	20%			LIFE	**	5-10	\$14,900	
Masonry: Brick	70%			LIFE	**	5-10	\$12,600	
Metal Panel	10%			2054	**	5	\$1,000	
Roof								
Modified Bitumen	90%	4+	\$2,300	2039	**			
	Water Penetration, Extent : Moderate, Area Affected : 2% Location : Chiefs Office On 2nd Floor							
Skylight, Metal/Glass	10%	4+	\$6,600	2054	**			
	Water Penetration, Extent : Moderate, Area Affected : 2% Location : 2nd Floor							
Soffits								
Fiberglass Panel	100%			2043	**	5		
Interior								
Floors								
Cast in Place Concrete	35%			LIFE	**	5	\$17,500	
Ceramic Tile	15%			2043	**	5	\$1,700	
Terrazzo	5%			LIFE	**	5	\$900	
Vinyl Tile	30%			2039	**	3	\$1,300	
Wood	15%			2062	**	5	\$3,200	
Interior Walls								
Cast in Place Concrete	15%			LIFE	**	10	\$5,900	
Concrete Masonry Unit	20%			LIFE	**	5	\$2,500	
Gypsum Board	50%			LIFE	**	5-10	\$13,400	
SGFT/Glazed Masonry	15%			LIFE	**	10	\$1,200	
Ceilings								
AcousTileSusp.Lay-In	35%			2047	**	5	\$4,000	
Exposed Struc: Steel	15%			LIFE	**	10	\$3,400	
Gypsum Board	30%			LIFE	**	5-10	\$11,800	
Plaster	20%			LIFE	**	5-10	\$3,900	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2054	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2047	**			
On-Site Walkways								
Cast in Place Concrete	100%			2047	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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%			2054	* *	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%			2054	* *	5	\$200	
	Raceway								
	Conduit	100%			2054	* *	1		
	Panelboards								
	Molded Case Bkrs	100%			2050	* *	5	\$200	
	Wiring								
	Thermoplastic	100%			2054	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2047	* *	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$200	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2047	* *	1	\$2,300	
	Generators								
	Diesel	100%			2043	* *	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%			2028	\$2,400	5	\$300	
	Fuel Storage								
	Main Tank	100%			2062	* *	5		
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Right Side Of The Building						
			Explanation : 54 Gallons Rated Capacity						
Lighting									
	Interior Lighting								
	Fluorescent	40%			2034	\$25,600	10	\$2,800	
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Throughout The Building						
			Explanation : T- 8 Lamps						
	Fluorescent	10%			2034	\$6,400	10	\$700	
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Hallways						
			Explanation : Compact Flourescent Lights						
	LED	50%			2042	* *			

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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

Electrical		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	40%		2034	\$1,800	1				
Emergency, Battery	10%		2034	\$1,200	10			\$200	
Exit, LED	50%		2062	* *	1				

Exterior Lighting

LED	20%		2042	* *					
No Component	80%								

Alarm

Security System

Generic	100%		2042	* *	1			\$2,800	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside And Inside The Building**Explanation : Cameras Security 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%		2054	* *	1				
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Conversion Equipment

Furnace	60%		2039	* *	1			\$2,200	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Roof**Explanation : 5 Rooftop Units*

Hot Water Boiler	40%		2047	* *	1			\$1,500	
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Distribution

Hot Wtr Piping/Pump	40%		2050	* *	4			\$200	
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No Component 60%

*Other Observation, Extent : Light, Area Affected : 0%**Location :**Explanation : No Temperature Control In House, Apparatus Floor Is Too Cold.*

Terminal Devices

Convactor/Radiator	35%	2-4	\$1,100	2039	* *	1		\$800	
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*Noisy/Vibrating, Extent : Moderate, Area Affected : 15%**Location : And Leaks At Lunch Room, House Watch Room, 2nd Floor Officers Locker Room And Girls Bathroom.*

Fan Coil Unit/Heat	5%		2039	* *	1			\$100	
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No Component 60%

Air Conditioning

Energy Source

Electricity	100%		2050	* *	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. 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
Air Conditioning									
	Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	100%			2039	**	2	\$500	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Roof							
		Explanation : 5 Rooftop Units, R-410a							
	Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2	\$12,300	
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$6,700	
	Exhaust Fans								
	Interior	10%			2039	**	2		
	Roof	80%			2039	**	2	\$200	
	Wall Unit	10%			2034	\$300	2		
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2054	**	1		
	Water Heater With Tanks								
	Gas Fired	100%			2032	\$33,400	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon Units							
	Sanitary Piping								
	Cast Iron	100%	2-4	\$1,900	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%			2028	\$200	4	\$200	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 2 Duplex Units							
	Backflow Preventer								
	Generic	100%			2039	**	1	\$500	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Sprinkler								
	No Component	70%							
	Generic	30%			2054	**	1-2	\$600	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Serves Basement Only							

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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

Fire Suppression

Chemical System

No Component

Generic

99%

1%

2032

\$300

1-3

\$1,200

*Other Observation, Extent : Light, Area Affected : 100%**Location : Kitchen**Explanation : 1 Set**Kitchen Hood Covers 32 Square Feet (8x4).*

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.*

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 64
Address : 1214 CASTLE HILL AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.064 / 13052 **Yr Built/Renovated** : 1912 /
Area Sq Ft : 4,050 **Project Type** : FIRE DEPARTMENT
Date of Survey : 24-Jun-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3821 **Lot** : 7 **BIN** : 2094871

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$151,100	\$81,800
Total	\$151,100	\$81,800
Importance Code B	\$151,100	\$81,800
Total	\$151,100	\$81,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$900			\$8,900
Interior Architecture	\$37,200		\$900	\$1,300
Electrical	\$300	\$300	\$2,800	\$3,100
Mechanical	\$4,600	\$8,000	\$500	\$44,200
Total	\$43,000	\$8,300	\$4,200	\$57,600
Importance Code A	\$1,300	\$400	\$400	\$9,400
Importance Code B	\$27,500	\$7,900	\$3,300	\$48,200
Importance Code C	\$14,200		\$500	
Total	\$43,000	\$8,300	\$4,200	\$57,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057**ENGINE CO. 64****Asset # : 13052**

Architecture		Current Repair			Future Replacement		Maintenance		
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%			2038	* *	5	\$5,600	
	Wood Overhead Doors	10%			2038	* *	5	\$11,200	
Windows									
	Aluminum	100%			2049	* *	5	\$800	
Parapets									
	Masonry: Brick	80%			LIFE	* *	5	\$1,400	
	Masonry: Limestone	10%			LIFE	* *	5	\$200	
	Metal Cornice	10%			2048	* *	10	\$600	
Roof									
	Modified Bitumen	75%	4+	\$900	2038	* *			
	Debris Present, Extent : Light, Area Affected : 20%								
	Location : Main Roof								
	Roll Roofing	25%			2029	\$9,000	5	\$2,400	
Interior									
Floors									
	Cast in Place Concrete	30%	Now	\$151,100	LIFE	* *	5	\$4,000	
	Water Penetration, Extent : Severe, Area Affected : 10%								
	Location : Basement								
	Other Observation, Extent : Severe, Area Affected : 100%								
	Location : Apparatus Floor								
	Explanation : Slab Is Old And Does Not Carry Current Loads. It Is Shored Up From Basement								
	Ceramic Tile	5%	Now	\$1,700	2042	* *	5	\$200	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 15%								
	Location : 2nd Floor Bathrooms, Captain Office Bathroom								
	Quarry Tile	10%			2038	* *	5	\$900	
	Vinyl Tile	50%			2033	\$81,800	3	\$1,100	
	Wood	5%			2048	* *	5	\$600	
Interior Walls									
	Ceramic Tile	10%			2042	* *	5	\$1,100	
	Concrete Masonry Unit	5%			LIFE	* *	5	\$200	
	Gypsum Board	25%			LIFE	* *	5	\$1,600	
	Masonry: Fieldstone	15%	Now	\$14,200	LIFE	* *			
	Other Observation, Extent : Moderate, Area Affected : 10%								
	Location : Basement								
	Explanation : Water Penetration								
	Plaster	15%			LIFE	* *	5	\$500	
	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. 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%			2038	* *	5	\$1,200	
	Embossed Metal	70%	0-2	\$12,500	LIFE	* *	5	\$1,900	
	Broken/Missing Elements, Extent : Light, Area Affected : 5%								
	Location : Apparatus Floor								
	Loose/Miss Fasteners, Extent : Light, Area Affected : 5%								
	Location : Apparatus Floor								
	Exposed Struc: Concrete	10%	Now	\$8,900	LIFE	* *	5	\$100	
	Loose/Delam Surface, Extent : Moderate, Area Affected : 20%								
	Location : Basement								
Site Enclosure									
	Fence/Gates								
	Chain Link	100%			2043	* *			
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%			2046	* *			
	On-Site Walkways								
	Cast in Place Concrete	100%			2038	* *			
	Parking/Driveway								
	Cast in Place Concrete	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									
	Service Equipment								
	Fused Disc Sw	100%			2053	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : One 400 Ampere Main Disconnect Switch							
	Switchgear / Switchboard								
	Molded Case Bkrs	100%			2053	* *	5	\$100	
	Raceway								
	Conduit	100%			2053	* *	1		
	Panelboards								
	Fused Disc Sw	10%			2049	* *	5		
	Molded Case Bkrs	90%			2049	* *	5	\$100	
	Wiring								
	Thermoplastic	100%			2053	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2046	* *	5		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2046	* *	1	\$1,300	
	Generators								
	Diesel	100%			2042	* *	1	\$1,600	
	Other Observation, Extent : Moderate, Area Affected : 100%								
	Location : Outside								
	Explanation : Emergency Generator Rated At 104 Kilovolt Amperes								
	Batteries								
	Lead/Acid	100%			2027	\$2,400	5	\$200	
	Fuel Storage								
	Day Tank	100%			2049	* *	5		
	Other Observation, Extent : Moderate, Area Affected : 100%								
	Location : Outside								
	Explanation : 125 Gallons Rated Capacity								
Lighting									
	Interior Lighting								
	Fluorescent	98%			2033	\$33,700	10	\$3,600	
	T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
	Location : Throughout								
	LED	2%			2041	* *			
	Egress Lighting								
	Emergency, Service	60%			2033	\$1,500	1		
	Emergency, Battery	10%			2033	\$700	10	\$100	
	Exit, Service	30%			2033	\$500	1		
	Exterior Lighting								
	HID	15%			2028	\$2,800	10		
	Lens/Guard Missing, Extent : Severe, Area Affected : 8%								
	Location : Outside								
	LED	5%			2041	* *			
	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%			2053	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2050	* *	1	\$4,000	
	Recent Installation, Extent : N/A, Area Affected : 100%								
	Location : Basement. New Boiler								
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : One Unit								
	Distribution								
	Steam Piping/Pump	100%			2043	* *			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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
Heating									
	Terminal Devices								
	Convactor/Radiator	100%			2038	* *	1	\$1,300	
Air Conditioning									
	Energy Source								
	Electricity	100%			2049	* *	1		
	Conversion Equipment								
	Split Unit	10%			2028	\$9,400			
	Window/Wall Unit	50%			2026	\$7,500	1		
	No Component	40%							
Ventilation									
	Exhaust Fans								
	Interior	100%			2028	\$17,500	2	\$100	
Plumbing									
	H/C Water Piping								
	Brass/Copper	10%			2043	* *	1		
	Galvanized Steel	90%			2038	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2028	\$16,700	2		
	Sanitary Piping								
	Cast Iron	100%	Now	\$2,500	LIFE	* *	1		
	Leak Evident, Extent : Moderate, Area Affected : 10%								
	Location : Bathroom Shower In 2nd Floor								
	Storm Drain Piping								
	Cast Iron	100%	Now	\$1,400	LIFE	* *	1		
	Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
	Location : Basement								
	Sump Pump(s)								
	Submersible	100%			2025	\$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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 23-Nov-2022 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3,4
Block : 1259 **Lot** : 18 **BIN** : 1076256

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$77,500	\$73,200
Total	\$77,500	\$73,200
Importance Code A	\$77,500	\$73,200
Total	\$77,500	\$73,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$53,000			
Interior Architecture	\$54,400			\$1,500
Electrical	\$7,800	\$700	\$700	\$3,300
Mechanical	\$6,000	\$1,100	\$1,200	\$900
Total	\$121,200	\$1,800	\$1,900	\$5,700
Importance Code A	\$53,600	\$600	\$600	\$600
Importance Code B	\$60,100	\$1,200	\$1,300	\$4,200
Importance Code C	\$7,400			\$900
Total	\$121,200	\$1,800	\$1,900	\$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. 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	\$30,600	
	Masonry: Limestone	40%	0-2	\$77,500	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%			2054	**	5-10	\$21,100	
Windows									
	Wood	100%			2050	**	5	\$14,100	
	Air Infiltration, Extent : Light, Area Affected : 5%								
	Location : Bunk Room								
	Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 2%								
	Location : Bunk Room								
Parapets									
	Cast Stone/Terra Cotta	10%	Now	\$3,700	LIFE	**	5	\$1,200	
	Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%								
	Location : South Facade								
	Masonry: Brick	90%	0-2	\$27,000	LIFE	**	5	\$1,400	
	Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 25%								
	Location : Throughout, South Facade								
Roof									
	Asphalt Shingle	1%			2037	**	10		
	Modified Bitumen	99%			2034	\$73,200	10	\$6,300	
Soffits									
	Masonry: Limestone	100%			LIFE	**	5		
Interior									
	Floors								
	Cast in Place Concrete	45%	Now	\$8,000	LIFE	**	5	\$9,600	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : Basement Boiler Room								
	Ceramic Tile	5%			2043	**	5	\$500	
	Quarry Tile	25%	0-2	\$9,700	2047	**	5	\$1,800	
	Cracking/Crumbling, Extent : Light, Area Affected : 10%								
	Location : Throughout								
	Vinyl Tile	25%	Now	\$7,300	2042	**	3	\$900	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : 2nd Floor And 3rd Floor Corridors And Bunk Room								

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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. 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%			2043	**	5	\$1,800	
Masonry: Brick	25%			LIFE	**	10	\$1,400	
Plaster	40%	Now	\$3,800	LIFE	**	5	\$2,200	

*Cracking/Crumbling, Extent : Moderate, Area Affected : 5%**Location : Officer Toilet**Paint Peeling, Extent : Light, Area Affected : 25%**Location : Throughout*

SGFT/Glazed Masonry	25%			LIFE	**	10	\$2,300	
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Ceilings

AcousTileSusp.Lay-In	20%	Now	\$700	2039	**	5	\$1,000	
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*Cracking/Crumbling, Extent : Light, Area Affected : 10%**Location : Throughout*

Embossed Metal	65%	Now	\$18,300	LIFE	**	5	\$2,900	
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*Broken/Missing Elements, Extent : Severe, Area Affected : 2%**Location : 3rd Floor Gymnasium**Paint Peeling, Extent : Severe, Area Affected : 50%**Location : Throughout*

Exposed Struc: Steel	15%			LIFE	**	10	\$3,000	
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Site Pavements**Public Sidewalk**

Cast in Place Concrete	100%			2047	**			
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Parking/Driveway

Cast in Place Concrete	100%			2047	**			
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Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts**Service Equipment**

Fused Disc Sw	100%			2044	**	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 200 Ampere Main Disconnect Switch. It Is In Satisfactory Condition.***Raceway**

Conduit	95%			2044	**	1		
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Conduit	5%			2060	**	1		
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Panelboards

Fused Disc Sw	5%			2042	**	5		\$100
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Molded Case Bkrs	65%			2042	**	5		
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Molded Case Bkrs	30%			2056	**	5		
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Wiring

Thermoplastic	40%			2060	**	1		
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Thermoplastic	60%			2044	**	1		
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*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.*

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 65
Asset # : 13053

Electrical		Current Repair		Future Replacement		Maintenance			
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%			2039	* *	5		
	Locally Mounted	50%			2051	* *	5		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$200	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2047	* *	1	\$1,800	
	Generators								
	Diesel	100%			2043	* *	1	\$2,300	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : One Diesel Generator Rated 50 Kilovolt Amperes 40 Kilowatts								
	Batteries								
	Lead/Acid	100%			2028	\$2,600	5	\$200	
	Fuel Storage								
	Main Tank	100%			2062	* *	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : The 100 Gallons Diesel Tank Is In Good Condition.								
Lighting									
	Interior Lighting								
	Fluorescent	50%			2034	\$27,500	10	\$2,700	
	T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
	Location : Throughout The Building								
	Fluorescent	35%			2042	* *	10	\$1,900	
	T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
	Location : Basement And 1st Floor								
	LED	5%			2042	* *			
	Under Construction	10%							
	Egress Lighting								
	Emergency, Service	50%			2034	\$2,000	1		
	Exit, Service	50%			2034	\$1,400	1		
	Exterior Lighting								
	LED	20%			2042	* *			
	No Component	80%							
Alarm									
	Security System								
	Generic	100%	2-4	\$7,100	2044	* *	1	\$2,000	
	Not in Service, Extent : Severe, Area Affected : 70%								
	Location : 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

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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%			2054	**	1		
	Conversion Equipment								
	Steam Boiler	100%			2054	**	1	\$5,900	
	Recent Installation, Extent : N/A, Area Affected : 100%								
	Location : Basement. New Boiler								
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : 1 Gasoline Fired Steam Boiler								
	Distribution								
	Steam Piping/Pump	100%	Now	\$2,500	2044	**			
	Malfunctioning, Extent : Severe, Area Affected : 50%								
	Location : Water Hammer From Poorly Pitched Pipe In The Basement								
	Terminal Devices								
	Convactor/Radiator	100%			2039	**	1	\$1,900	
Air Conditioning									
	Energy Source								
	Electricity	100%			2050	**	1		
	Conversion Equipment								
	Split Unit	10%			2029	\$15,100			
	Window/Wall Unit	30%			2029	\$7,200	1		
	No Component	60%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	55%			LIFE	**	2-5	\$2,900	
	No Component	45%							
	Exhaust Fans								
	Interior	35%			2029	\$9,800	2	\$100	
	Roof	25%	Now	\$300	2039	**	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%			2044	**	1		
	Water Heater With Tanks								
	Gas Fired	100%			2032	\$36,600	2		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : Two 75 Gallon 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. 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	Storm Drain Piping								
	Cast Iron	100%	Now	\$1,100	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							
		Other Observation, Extent : Moderate, Area Affected : 10%							
		Location : Basement							
		Explanation : Occasional Backups During Heavy Rain							
	Backflow Preventer								
	Generic	100%			2039	* *	1		\$400
Fixtures									
	Generic	100%							
Fire Suppression	Chemical System								
	No Component	98%							
	Generic	2%			2032	\$400	1-3		\$1,800
		Other Observation, Extent : Light, Area Affected : 5%							
		Location : Kitchen							
	Explanation : 1 Set Fire Suppression System Covers 24 Square Feet								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 66/ LADDER CO. 61
Address : 21 ASCH LOOP W.
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.066 / 13054 **Yr Built/Renovated** : 1973 /
Area Sq Ft : 8,320 **Project Type** : FIRE DEPARTMENT
Date of Survey : 18-Nov-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5141 **Lot** : 103 **BIN** : 2072355

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$100,600	\$112,200
Electrical		\$127,000
Site Enclosure	\$90,300	
Total	\$190,900	\$239,200
Importance Code A	\$100,600	\$175,700
Importance Code B		\$63,500
Importance Code C	\$90,300	
Total	\$190,900	\$239,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$39,500			
Interior Architecture	\$35,800	\$500	\$600	\$600
Electrical	\$600	\$3,200	\$6,100	\$600
Mechanical	\$51,400	\$800	\$34,400	\$1,000
Site Pavements	\$9,800			
Total	\$137,100	\$4,500	\$41,100	\$2,300
Importance Code A	\$39,900	\$400	\$500	\$400
Importance Code B	\$69,100	\$3,500	\$40,600	\$1,900
Importance Code C	\$28,100	\$500		
Total	\$137,100	\$4,500	\$41,100	\$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. 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%			2052	* *	10	\$800	
	Concrete Masonry Unit	5%	0-2	\$2,400	LIFE	* *	5	\$600	
	Diagonal Cracks, Extent : Moderate, Area Affected : 5%								
	Location : West Side								
	Masonry: Brick Cavity	70%	4+	\$21,500	LIFE	* *	5	\$12,600	
	Efflorescence, Extent : Moderate, Area Affected : 2%								
	Location : Chimney								
	Metal Sect. OHD	10%			2045	* *	5	\$5,600	
Windows									
	Aluminum	100%	Now	\$100,600	2057	* *	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								
Roof									
	Asphalt Shingle	10%			2035	* *	10	\$200	
	Modified Bitumen	90%	0-2	\$11,200	2032	\$112,200			
	Alligatoring, Extent : Moderate, Area Affected : 5%								
	Location : Seams Throughout								
	Blisters, Extent : Moderate, Area Affected : 5%								
	Location : Throughout								
Soffits									
	Alum/Vinyl Siding	100%	Now	\$1,500	2052	* *			
	Deformed/Dented, Extent : Moderate, Area Affected : 10%								
	Location : South And Rear Of Building								

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. 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	\$10,300	LIFE	**	5	\$13,600	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Apparatus Floor								
Ceramic Tile	5%			2035	**	5	\$600	
Worn/Eroded, Extent : Light, Area Affected : 10%								
Location : Toilets								
Quarry Tile	3%			2037	**	5	\$600	
Terrazzo	2%			LIFE	**	5	\$200	
Vinyl Tile	40%	Now	\$2,700	2037	**	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%			2041	**	5	\$1,000	
Concrete Masonry Unit	15%	0-2	\$5,600	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+	\$13,500	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%			2037	**	5	\$600	
Exposed Struc: Concrete	45%			LIFE	**	5	\$900	
Gypsum Board	5%			LIFE	**	5	\$800	
Plaster	45%	Now	\$3,300	LIFE	**	5	\$3,500	
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

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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 Enclosure

Fence/Gates

Chain Link

60%

2052

* *

Metal/Glass

40%

Now

\$90,300

2042

* *

*Broken/Missing Elements, Extent : Severe, Area Affected : 40%**Location : Roof Guard Rail**Loose/Miss Fasteners, Extent : Severe, Area Affected : 5%**Location : Roof Guard Rail**Other Observation, Extent : N/A, Area Affected : 40%**Location : Roof Guard Rail**Explanation : Aluminum Guard Railing With Plexiglass Panels*

Site Pavements

Public Sidewalk

Cast in Place Concrete

100%

2-4

\$800

2045

* *

*Cracking/Crumbling, Extent : Light, Area Affected : 10%**Location : Throughout*

On-Site Walkways

Cast in Place Concrete

100%

4+

\$800

2037

* *

*Misaligned/Bulging, Extent : Moderate, Area Affected : 10%**Location : Near Areaways*

Parking/Driveway

Asphalt

80%

Now

\$4,800

2035

* *

*Cracking/Crumbling, Extent : Moderate, Area Affected : 5%**Location : Throughout**Sinking/Subsiding, Extent : Moderate, Area Affected : 10%**Location : Throughout*

Cast in Place Concrete

20%

Now

\$3,300

2045

* *

*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%

2032

\$63,500

5

\$200

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 400 Ampere Main Disconnect Switch*

Switchgear / Switchboard

Molded Case Bkrs

100%

2032

\$63,500

5

\$200

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FIRE DEPARTMENT - 057
ENGINE CO. 66/ LADDER CO. 61
Asset # : 13054

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts									
Raceway									
	Conduit	95%			2032	\$34,200	1		
	Conduit	5%			2052	* *	1		
Panelboards									
	Fused Disc Sw	5%			2031	\$2,400	5		
	Molded Case Bkrs	65%			2031	\$31,500	5	\$100	
	Molded Case Bkrs	30%			2048	* *	5	\$100	
Wiring									
	Thermoplastic	70%			2032	\$22,800	1		
	Thermoplastic	30%			2052	* *	1		
Motor Controllers									
	Locally Mounted	100%			2030	\$17,800	5	\$100	
Ground									
Grounding Devices									
	Generic	100%			LIFE	* *	5	\$100	
Stand-by Power									
Transfer Switches									
	Automatic	100%			2045	* *	1	\$2,600	
Generators									
	Diesel	100%			2041	* *	1	\$3,200	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Generator Room Outside								
	Explanation : One 80 Kilowatts								
Batteries									
	Lead/Acid	100%			2026	\$2,400	5	\$300	
Fuel Storage									
	Day Tank	50%			2048	* *	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Generator Room Outside								
	Explanation : One 125 Gallons								
	Main Tank	50%			2035	* *	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : One 550 Gallons								
Lighting									
Interior Lighting									
	Fluorescent	70%			2037	* *	10	\$5,300	
	T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
	Location : Basement And Second Floor								
	LED	30%			2040	* *			
Egress Lighting									
	Emergency, Service	60%			2037	* *	1		
	Exit, Service	40%			2037	* *	1		
Exterior Lighting									
	HID	20%			2037	* *	10		
	No Component	80%							

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FIRE DEPARTMENT - 057
ENGINE CO. 66/ LADDER CO. 61
Asset # : 13054

Mechanical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Energy Source								
	Natural Gas	100%			2052	* *	1		
	Conversion Equipment								
	Hot Water Boiler	100%			2045	* *	1	\$4,100	
	Distribution								
	Hot Wtr Piping/Pump	100%			2040	* *	4	\$400	
	Terminal Devices								
	Convector/Radiator	90%			2037	* *	1	\$2,400	
	Unit Heater - Steam	10%			2032	\$4,600	4	\$100	
Air Conditioning									
	Energy Source								
	Electricity	100%			2048	* *	1		
	Conversion Equipment								
	Exterior Pkg Unit - Cooling	35%	Now	\$18,700	2042	* *	2	\$100	
				Other Observation, Extent : Severe, Area Affected : 100%					
				Location : Roof					
				Explanation : Unit Disassembled With Severely Damaged Or Missing Components					
	Window/Wall Unit	50%			2027	\$15,400	1		
	No Component	15%							
	Distribution								
	Ductwork/Diffusers	35%	Now	\$31,900	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%			2032	\$15,800	2	\$300	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2042	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2027	\$16,700	2		
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Non-Submersible	50%			2032	\$800	4	\$100	
	Submersible	50%			2025	\$100	4	\$100	

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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
Plumbing									
	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									
	Sprinkler								
	No Component	85%							
	Generic	15%			2042	* *	1-2	\$300	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Connected To Domestic Water, Serves Half Of Basement							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 67
Address : 518 WEST 170th STREET @ AUDUBON AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.067 / 13055 **Yr Built/Renovated** : 1898 /
Area Sq Ft : 5,904 **Project Type** : FIRE DEPARTMENT
Date of Survey : 27-May-2021 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2126 **Lot** : 34 **BIN** : 1063024

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$144,100	
Electrical		\$85,700
Total	\$144,100	\$85,700
Importance Code B	\$144,100	\$85,700
Total	\$144,100	\$85,700

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$22,000		\$7,800	
Interior Architecture	\$53,000			\$100
Electrical	\$14,700	\$3,200	\$500	\$500
Mechanical	\$16,300	\$6,500	\$13,200	\$6,400
Site Enclosure	\$1,200			
Total	\$107,200	\$9,600	\$21,500	\$6,900
Importance Code A	\$22,600	\$600	\$8,400	\$600
Importance Code B	\$68,700	\$9,000	\$13,100	\$6,300
Importance Code C	\$15,900			
Total	\$107,200	\$9,600	\$21,500	\$6,900



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 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
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%			2037	**	5	\$7,700	
Windows									
	Aluminum	100%	Now	\$15,400	2048	**	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%			2037	**	5-10	\$6,500	
Deteriorated Finish, Extent : Light, Area Affected : 10%									
Location : Rear Side Of Roof									
Roof									
	Asphalt Shingle	6%			2035	**	10	\$100	
	Metal Panel	2%	Now	\$500	2037	**			
Water Penetration, Extent : Moderate, Area Affected : 5%									
Location : Around Skylight, Attic									
	Modified Bitumen	90%	Now	\$6,000	2037	**			
Blisters, Extent : Moderate, Area Affected : 2%									
Location : Main Roof									
Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 25%									
Location : Rear Edge Of Roof									
	Skylight, Metal/Glass	2%			2032	\$34,200	10	\$400	
Soffits									
	Cast Iron	100%			LIFE	**			

Interior

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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	\$4,100	LIFE	* *	5	\$4,900	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 15% Location : Basement							
	Ceramic Tile	5%	2-4	\$500	2041	* *	5	\$200	
		Worn/Eroded, Extent : Light, Area Affected : 25% Location : Toilets Throughout							
	Quarry Tile	5%			2045	* *	5	\$600	
	Vinyl Tile	10%	4+	\$400	2032	\$22,100	3	\$300	
		Worn/Eroded, Extent : Light, Area Affected : 15% Location : 3rd Floor							
	Wood	50%	Now	\$23,800	2060	* *	5	\$3,500	
		Deteriorated Finish, Extent : Light, Area Affected : 10% Location : 2nd Floor And 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	\$700	2035	* *	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%	Now	\$11,600	LIFE	* *			
		Cracking/Crumbling, Extent : Moderate, Area Affected : 30% Location : Basement Efflorescence, Extent : Moderate, Area Affected : 25% Location : Basement Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 10% Location : Basement Water Penetration, Extent : Severe, Area Affected : 20% Location : Basement							
	Plaster	35%	Now	\$2,100	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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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	\$500	2037	* *	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 : Kitchen								
Embossed Metal	30%	0-2	\$7,200	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	\$144,100	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	\$1,500	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+	\$1,200	2042	* *			
Corrosion/Rusting, Extent : Light, Area Affected : 15%								
Location : Rear Yard								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2045	* *			
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%			2037	* *			
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Rear Yard								
Parking/Driveway								
Cast in Place Concrete	100%			2045	* *			

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FIRE DEPARTMENT - 057
ENGINE CO. 67
Asset # : 13055

Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts									
	Service Equipment								
	Fused Disc Sw	100%			2032	\$16,200	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 200 Ampere Main Disconnect Switches							
	Switchgear / Switchboard								
	Molded Case Bkrs	100%			2032	\$69,700	5	\$200	
	Raceway								
	Conduit	100%			2032	\$39,500	1		
	Panelboards								
	Fused Disc Sw	5%			2031	\$2,700	5		
	Molded Case Bkrs	30%			2031	\$16,000	5		
	Molded Case Bkrs	65%			2048	* *	5	\$100	
	Wiring								
	Braided Cloth	40%	2-4	\$14,300	2057	* *	1		
		Insulation Aged, Extent : Moderate, Area Affected : 100%							
		Location : Basement, 1st Floor, 2nd Floor							
	Thermoplastic	60%			2052	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2030	\$19,500	5		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2045	* *	1	\$1,800	
	Generators								
	Diesel	100%			2041	* *	1	\$2,300	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Outside							
		Explanation : One 40 Kilowatts							
	Batteries								
	Lead/Acid	100%			2026	\$2,600	5	\$200	
	Fuel Storage								
	Day Tank	50%			2048	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Generator Room							
		Explanation : One 75 Gallons							
	Main Tank	50%			2060	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : One 550 Gallon							
Lighting									
	Interior Lighting								
	LED	100%			2037	* *			

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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

Electrical		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

50%

2037

* *

1

No Component

50%

Exterior Lighting

LED

20%

2037

* *

No Component

80%

Mechanical		Current Repair			Future Replacement		Maintenance		
System	Component	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
	Type								

Heating

Energy Source

Natural Gas

100%

2052

* *

1

Conversion Equipment

Steam Boiler

100%

2052

* *

1

\$5,900

*Recent Installation, Extent : Light, Area Affected : 100%**Location : Basement*

Distribution

Central Plant Steam

100%

2042

* *

4

\$400

Piping/Pmp

Terminal Devices

Convactor/Radiator

100%

2037

* *

1

\$1,900

Air Conditioning

Conversion Equipment

Window/Wall Unit

100%

2030

\$24,000

1

Ventilation

Distribution

Ductwork/Diffusers

100%

0-2

\$5,600

LIFE

* *

2-5

\$3,300

*Leak Evident, Extent : Moderate, Area Affected : 10%**Location : Kitchen Exhaust Dripping Water Occasionally Into The Kitchen*

Exhaust Fans

Wall Unit

100%

2032

\$2,700

2

\$200

Plumbing

H/C Water Piping

Galvanized Steel

100%

2037

* *

1

Water Heater With Tanks

Gas Fired

100%

2030

\$18,300

2

Sanitary Piping

Cast Iron

100%

Now

\$4,000

LIFE

* *

1

*Blockage /Clogged, Extent : Moderate, Area Affected : 10%**Location : Sewage Backup In Basement**Leak Evident, Extent : Moderate, Area Affected : 10%**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. 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									
	Storm Drain Piping								
	Cast Iron	100%	Now	\$400	LIFE	* *	1		
		Leak Evident, Extent : Moderate, Area Affected : 5%							
		Location : 1st Floor, Basement							
	Sump Pump(s)								
	Non-Submersible	100%			2032	\$1,300	4	\$100	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2030	\$17,500	1-3	\$74,400	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$393,200	
Electrical	\$100,300	\$202,100
Total	\$493,600	\$202,100
Importance Code A	\$393,200	\$63,500
Importance Code B	\$100,300	\$138,600
Total	\$493,600	\$202,100

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$27,700			\$400
Interior Architecture	\$33,500		\$700	\$1,200
Electrical	\$3,400	\$6,600	\$800	\$700
Mechanical	\$6,700	\$104,700	\$7,800	\$6,500
Site Enclosure	\$8,000			
Total	\$79,300	\$111,400	\$9,200	\$8,900
Importance Code A	\$28,200	\$500	\$500	\$800
Importance Code B	\$35,600	\$110,800	\$8,700	\$8,000
Importance Code C	\$15,400			
Total	\$79,300	\$111,400	\$9,200	\$8,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 68/ LADDER CO. 49
Asset # : 13056

Architecture		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior									
Exterior Walls									
	Cast Stone/Terra Cotta	5%	Now	\$9,100	LIFE	* *	5	\$9,100	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 5%									
Location : Front Facade Window Sill									
	Concrete Masonry Unit	80%	2-4	\$196,000	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	\$51,800	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	\$3,200	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	\$3,300	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	\$9,100	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	\$700	2041	* *	5	\$200	
	Loose/Miss Fasteners, Extent : Severe, Area Affected : 10%								
	Location : East Facade Coping								
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Main Roof								
	Explanation : Aluminum Coping								
	Metal: Cage/Fence	5%			2048	* *	5-10	\$700	
	Recent Replace Evident, Extent : N/A, Area Affected : 100%								
	Location : Lower 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. 68/ LADDER CO. 49
Asset # : 13056

Architecture		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior									
Roof									
	Asphalt Shingle	5%	Now	\$200	2034	\$3,800			
		<i>Water Penetration, Extent : Severe, Area Affected : 10%</i> <i>Location : Highpoint At Roof And Wall Connection</i>							
	Modified Bitumen	95%	Now	\$145,400	2041	* *			1
		<i>Blisters, Extent : Moderate, Area Affected : 10%</i> <i>Location : All Roofs</i> <i>Drains Inad/Misposn, Extent : Moderate, Area Affected : 50%</i> <i>Location : Throughout</i> <i>Ponding, Extent : Moderate, Area Affected : 25%</i> <i>Location : Lower Roof</i> <i>Ridging, Extent : Moderate, Area Affected : 15%</i> <i>Location : At Parapet Cant Strip</i> <i>Seams Open/Split, Extent : Severe, Area Affected : 20%</i> <i>Location : At Roof Penetrations And All Perimeter Flashing</i> <i>Vegetation Growth, Extent : Severe, Area Affected : 5%</i> <i>Location : Below Dunnage Of Main Roof</i> <i>Water Penetration, Extent : Severe, Area Affected : 5%</i> <i>Location : Above Kitchen And Officers Office At First Floor</i>							
Soffits									
	Stucco Cement	100%	4+	\$1,500	2036	* *	5	\$900	
		<i>Worn/Eroded, Extent : Moderate, Area Affected : 20%</i> <i>Location : Throughout</i>							
Interior									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific 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
Interior								
Floors								
Cast in Place Concrete	40%	4+	\$10,200	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	\$6,300	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	\$2,700	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	\$6,200	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 : N/A, Area Affected : 100%								
Location : Second Floor								
Explanation : Actually Rubber Tiles								
Interior Walls								
Ceramic Tile	10%			2044	**	5	\$1,300	
Concrete Masonry Unit	30%	Now	\$7,400	LIFE	**	5	\$1,600	
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Second Floor Officers Bedrooms								
Gypsum Board	25%			LIFE	**	5	\$2,000	
SGFT/Glazed Masonry	35%			LIFE	**			
Cracking/Crumbling, Extent : Light, Area Affected : 2%								
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.
** 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

Interior

Ceilings

AcousTileSusp.Lay-In	15%			2048	**	5	\$2,300	
AcousTileSusp.Lay-In	5%	2-4	\$600	2036	**	5	\$400	

Misaligned/Bulging, Extent : Moderate, Area Affected : 5%

Location : Kitchen

Staining/Discoloring, Extent : Light, Area Affected : 30%

Location : Kitchen

Other Observation, Extent : Light, Area Affected : 100%

Location : Kitchen

Explanation : Kitchen

Exposed Struc: Concrete	75%			LIFE	**	5	\$1,800	
Gypsum Board	5%			LIFE	**	5	\$1,000	

Site Enclosure

Fence/Gates

Chain Link	100%	0-2	\$400	2041	**			
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Corrosion/Rusting, Extent : Moderate, Area Affected : 10%

Location : Parking Area Fence

Other Observation, Extent : Moderate, Area Affected : 50%

Location : Parking Area Fence

Explanation : Misaligned Making It Difficult To Operate

Free Standing Walls

Concrete Masonry Unit	95%	2-4	\$7,200	2041	**			
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Water Penetration, Extent : Moderate, Area Affected : 20%

Location : North Freestanding Wall

Concrete Masonry Unit	5%	2-4	\$400	2041	**			
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Water Penetration, Extent : Moderate, Area Affected : 50%

Location : Copping Stones

Other Observation, Extent : N/A, Area Affected : 100%

Location : Freestanding Wall

Explanation : Actually Concrete Copping Stones

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2036	**			
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Parking/Driveway

Cast in Place Concrete	100%			2036	**			
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Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2031		\$63,500	5	\$300	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room

Explanation : Main Service Disconnect Switch Rated At 400 Amperes.

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 68/ LADDER CO. 49
Asset # : 13056

Electrical		Current Repair		Future Replacement		Maintenance			
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	\$63,500	5	\$300	
	Raceway								
	Conduit	70%			2031	\$25,200	1		
	Conduit	30%			2051	* *	1		
	Panelboards								
	Molded Case Bkrs	70%			2030	\$33,900	5	\$200	
	Molded Case Bkrs	30%			2047	* *	5	\$100	
	Wiring								
	Thermoplastic	70%			2031	\$22,800	1		
	Thermoplastic	30%			2051	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2036	* *	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$200	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2044	* *	1	\$3,100	
	Generators								
	Diesel	100%			2027	\$99,500	1	\$4,000	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : 2nd Floor Mechanical Room								
	Explanation : Emergency Generator Rated At 15 Kilowatts								
	Batteries								
	Lead/Acid	100%			2025	\$2,400	5	\$400	
	Fuel Storage								
	Main Tank	100%			2034	\$75,100	5		
	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	\$900	10	\$100	
	Other Observation, Extent : N/A, 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		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 68/ LADDER CO. 49
Asset # : 13056

Electrical		Current Repair			Future Replacement		Maintenance		
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	
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Other Observation, Extent : Light, Area Affected : 20%

Location : Roof

Explanation : 3 Package Units

Hot Water Boiler	80%			2036		* *	1	\$4,000	
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Other Observation, Extent : Light, Area Affected : 80%

Location : Boiler Room

Explanation : 1 Unit

Distribution

Hot Wtr Piping/Pump	80%			2039		* *	4	\$400	
No Component	20%								

Terminal Devices

Convactor/Radiator	70%			2036		* *	1	\$2,300	
Fan Coil Unit/Heat	20%			2039		* *	1	\$700	
Unit Heater - Steam	10%			2031		\$5,700	4	\$100	

Air Conditioning

Energy Source

Electricity	100%			2039		* *	1		
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Conversion Equipment

Heat Pump Air Sourced	20%			2035		* *	2	\$100	
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Other Observation, Extent : Light, Area Affected : 20%

Location : Roof

Explanation : 3 Package Units. R-410a

Split Unit	10%			2026		\$23,700			
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R-22 Refrigerant, Extent : Light, Area Affected : 10%

Location : 1 Unit, Roof

Window/Wall Unit	30%			2026		\$11,300	1		
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No Component	40%								
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Terminal Devices

Fan Coil - 2 Pipe	10%			2026		\$18,300	1	\$300	
Fan Coil - 4 Pipe	20%			2039		* *	1	\$700	
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. 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	\$2,700	2	\$700	
	Dry Cooler	20%			2039	* *	2	\$1,400	
	No Component	70%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$5,700	
	Exhaust Fans								
	Roof	100%			2036	* *	2	\$300	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2041	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2026	\$16,700	2		
	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	\$15,900	1-3	\$83,300	
	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 69
Address : 248 WEST 143rd STREET
Borough : MANHATTAN
Program / Asset # : FIRSECO.069 / 13057
Area Sq Ft : 11,250
Date of Survey : 30-Jun-2020
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2028 **Lot** : 51 **BIN** : 1075491
Agency's Number : N/A
Yr Built/Renovated : 1904 / 1997
Project Type : FIRE DEPARTMENT
Landmark Status : NONE

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture		\$129,700
Interior Architecture	\$52,100	
Electrical	\$171,000	\$127,000
Mechanical		\$308,600
Total	\$223,100	\$565,300
Importance Code A		\$193,200
Importance Code B	\$223,100	\$372,100
Total	\$223,100	\$565,300

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$38,900	\$16,900		
Interior Architecture	\$19,400	\$1,300	\$1,000	
Electrical	\$20,200	\$24,500	\$800	\$800
Mechanical	\$37,300	\$13,100	\$9,100	\$13,100
Site Pavements	\$4,100			
Total	\$119,900	\$55,700	\$10,900	\$13,800
Importance Code A	\$39,500	\$17,600	\$600	\$600
Importance Code B	\$66,000	\$38,200	\$10,300	\$13,300
Importance Code C	\$14,300			
Total	\$119,900	\$55,700	\$10,900	\$13,800



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. 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	\$7,800	
	Masonry: Granite	10%			LIFE	**	5	\$2,900	
	Metal Panel	5%			2041	**	5-10	\$13,300	
	Metal Sect. OHD	5%			2044	**	5	\$6,100	
	Stucco Cement	60%			2044	**	5	\$58,200	
Windows									
	Aluminum	100%	Now	\$13,000	2030	\$129,700	5	\$1,400	
	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+	\$26,000	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	\$17,400	
	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+	\$2,400	LIFE	**	5	\$5,300	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
	Location : Stairwell, Kitchen And Toilet								
	Masonry: Brick	15%			LIFE	**			
	Plaster	35%	Now	\$9,300	LIFE	**	5	\$2,300	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
	Location : Basement 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.

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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	\$52,100	LIFE	* *			
Corrosion/Rusting, Extent : Severe, Area Affected : 15%								
Location : Sidewalk And Rear Addition Vaults								
Water Penetration, Extent : Severe, Area Affected : 20%								
Location : Basement								
Other Observation, Extent : N/A, Area Affected : 80%								
Location : Throughout								
Explanation : Material Is Actually Metal Decking								
Plaster	25%	0-2	\$6,600	LIFE	* *	5	\$2,800	
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	\$2,500	2044	* *			
Ponding, Extent : Severe, Area Affected : 10%								
Location : Apron End To Apparatus Area								
Parking/Driveway								
Asphalt	100%	4+	\$1,600	2040	* *			
Ponding, Extent : Moderate, Area Affected : 5%								
Location : Parking Area								

Electrical		Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Under 600 Volts									
Service Equipment									
Molded Case Bkrs	100%			2031	\$63,500	5	\$300		
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Basement									
Explanation : One 600 Ampere Main Disconnect Switch									
Switchgear / Switchboard									
Molded Case Bkrs	100%			2031	\$63,500	5	\$300		
Raceway									
Conduit	100%			2031	\$36,000	1			
Panelboards									
Fused Disc Sw	5%			2030	\$2,400	5			
Molded Case Bkrs	95%			2030	\$46,000	5	\$300		

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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	\$6,500	2056	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%									
Location : Basement									
	Thermoplastic	80%			2031	\$26,000	1		
Motor Controllers									
	Locally Mounted	100%			2029	\$17,800	5	\$100	
Ground									
Grounding Devices									
	Generic	100%	2-4	\$10,200	LIFE	* *	5	\$200	
Other Observation, Extent : Moderate, Area Affected : 100%									
Location : Basement									
Explanation : Corroded									
Stand-by Power									
Transfer Switches									
	Automatic	100%			2029	\$12,900	1	\$3,500	
Generators									
	Diesel	100%			2027	\$99,500	1	\$4,400	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Outside									
Explanation : One 62 Kilowatts									
Batteries									
	Lead/Acid	100%			2025	\$2,400	5	\$400	
Fuel Storage									
	Day Tank	50%			2030	\$12,500	5		
Other Observation, Extent : Moderate, Area Affected : 100%									
Location : Generator Area Outside									
Explanation : One 50 Gallons									
	Main Tank	50%			2034	\$37,500	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : One 550 Gallons									
Lighting									
Interior Lighting									
	Fluorescent	73%			2026	\$69,700	10	\$7,500	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%									
Location : Throughout The Building									
	Fluorescent	2%			2026	\$1,900	10	\$200	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%									
Location : Basement									
	LED	25%			2039	* *			
Egress Lighting									
	Emergency, Service	45%			2026	\$3,000	1		
	Emergency, Service	5%			2039	* *	1		
	Exit, Service	50%			2026	\$2,400	1		

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FIRE DEPARTMENT - 057
ENGINE CO. 69
Asset # : 13057

Electrical		Current Repair			Future Replacement		Maintenance		
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	\$10,300	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

Plant Campus Steam / PRV	70%	Now		\$100	2041	* *	1		
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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		
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Conversion Equipment

Furnace	30%				2031	\$10,300	1	\$1,700	
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Other Observation, Extent : Light, Area Affected : 30%

Location : Roof

Explanation : 4 Rooftop Gas Fired Heating And Cooling Units

Heat Exchanger, Plate & Frame	70%				2034	\$19,400	1	\$3,900	
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Other Observation, Extent : Light, Area Affected : 70%

Location : Basement

Explanation : 1 Unit

Distribution

Central Plant Steam Piping/Pmp	70%	Now		\$4,300	2031	\$216,300	4	\$400	
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Malfunctioning, Extent : Severe, Area Affected : 5%

Location : Throughout. Temperature Control Defective

No Component	30%								
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Terminal Devices

Convactor/Radiator	25%				2036	* *	1	\$900	
Convactor/Radiator	5%	0-2		\$200	2036	* *	1	\$200	

Corroded, Extent : Moderate, Area Affected : 50%

Location : 3rd Floor. Corroded Radiator

Unit Heater - Steam	40%				2031	\$25,000	4	\$400	
No Component	30%								

Air Conditioning

Energy Source

Electricity	100%				2039	* *	1		
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FIRE DEPARTMENT - 057**ENGINE CO. 69****Asset # : 13057**

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning									
	Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	50%			2031	\$92,300	2	\$300	
		R-22 Refrigerant, Extent : Light, Area Affected : 50%							
		Location : 4 Units. Roof							
	Window/Wall Unit	10%			2026	\$4,200	1		
	No Component	40%							
Heat Rejection									
	Air Cooled Condenser Unit	100%			2031	\$19,100	2	\$7,800	
Ventilation									
	Distribution								
	Ductwork/Diffusers	50%			LIFE	* *	2-5	\$3,100	
	No Component	50%							
Exhaust Fans									
	Roof	55%			2031	\$11,700	2	\$200	
	Wall Unit	25%	Now	\$100	2031	\$1,200	2	\$100	
		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 With Tanks									
	Electric	100%			2029	\$23,100	4		
HW Heat Exchanger									
	Steam Fired	100%			2041	* *	4	\$1,700	
Sanitary Piping									
	Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping									
	Cast Iron	80%			LIFE	* *	1		
	Cast Iron	20%	0-2	\$800	LIFE	* *	1		
		Blockage /Clogged, Extent : Severe, Area Affected : 100%							
		Location : Apparatus Room. Blocked, Clogged Floor Drain							
Sump Pump(s)									
	Non-Submersible	100%			2026	\$2,200	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	

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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	\$500	2034	\$10,500	1	\$1,900	
		Corroded, Extent : Moderate, Area Affected : 5%							
		Location : Leaking In Basement							
Chemical System									
	Generic	100%			2025	\$15,900	1-3	\$80,900	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Kitchen							
		Explanation : 1 Set							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 15-Mar-2023 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 150 **Lot** : 25 **BIN** : 1001647

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$750,800	
Interior Architecture	\$744,400	
Electrical		\$70,300
Total	\$1,495,300	\$70,300
Importance Code A	\$750,800	
Importance Code B	\$744,400	\$70,300
Total	\$1,495,300	\$70,300

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$62,800		\$9,700	
Interior Architecture	\$114,700		\$3,200	\$2,700
Electrical	\$19,400	\$1,400	\$1,400	\$1,300
Mechanical	\$16,800	\$2,600	\$8,900	\$3,300
Total	\$213,700	\$4,000	\$23,300	\$7,300
Importance Code A	\$64,700	\$1,900	\$11,600	\$1,900
Importance Code B	\$82,000	\$2,100	\$11,700	\$4,400
Importance Code C	\$67,000			\$1,000
Total	\$213,700	\$4,000	\$23,300	\$7,300



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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	\$274,800	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							
		Water Penetration, Extent : Moderate, Area Affected : 2%							
		Location : 1st Floor Dining Area							
	Masonry: Granite	5%	Now	\$18,800	LIFE	* *	5	\$1,700	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : Truck Bay Doors							
	Masonry: Limestone	10%	2-4	\$56,300	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%			2047	* *	5	\$13,900	
	Stucco Cement	5%			2047	* *	5	\$5,600	
Windows									
	Aluminum	100%	Now	\$32,100	2042	* *	5	\$1,600	
		Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%							
		Location : 3rd Floor In Gymnasium							
		Unit Inoperable, Extent : Severe, Area Affected : 2%							
		Location : 3rd Floor Window							
		Water Penetration, Extent : Moderate, Area Affected : 2%							
		Location : 1st Floor Dining Area							
Parapets									
	Masonry: Brick	85%	2-4	\$7,200	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	\$4,700	LIFE	* *	5	\$600	
		Caulking Deteriorated, Extent : Moderate, Area Affected : 50%							
		Location : Roof							

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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									
Roof									
Modified Bitumen	95%	Now	\$128,900	2039		* *			
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	\$290,800	2064		* *			
Broken/Missing Elements, Extent : Severe, Area Affected : 5%									
Location : Middle Of 2 Skylights									
Corrosion/Rusting, Extent : Severe, Area Affected : 10%									
Location : Hose Tower									
Glazing Broken/Cracked, Extent : Severe, Area Affected : 2%									
Location : Roof									
Interior									
Floors									
Cast in Place Concrete	35%			LIFE		* *	5	\$43,300	
Ceramic Tile	5%			2043		* *	5	\$1,400	
Quarry Tile	5%			2047		* *	5	\$2,100	
Vinyl Tile	20%	Now	\$16,700	2039		* *	3	\$2,100	
Broken/Missing Elements, Extent : Severe, Area Affected : 15%									
Location : Throughout 2nd Floor; 3rd Floor									
Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 15%									
Location : Throughout 2nd Floor; 3rd Floor									
Vinyl Tile 9" X 9"	10%	Now	\$242,400	2044		* *	3	\$1,100	
Adhesion Failure, Extent : Severe, Area Affected : 10%									
Location : Throughout 3rd Floor									
Broken/Missing Elements, Extent : Severe, Area Affected : 15%									
Location : Throughout 3rd Floor									
Cracking/Crumbling, Extent : Severe, Area Affected : 15%									
Location : Throughout 3rd Floor									
Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%									
Location : Throughout 3rd Floor									
Worn/Eroded, Extent : Severe, Area Affected : 100%									
Location : Throughout 3rd Floor									
Wood	25%	Now	\$451,900	2074		* *	5	\$6,600	
Deteriorated Finish, Extent : Severe, Area Affected : 10%									
Location : Throughout Corridor, Bunk Room And 2nd Floor									
Dry Rot/Decay, Extent : Severe, Area Affected : 5%									
Location : Throughout Corridor, Bunk Room And 2nd Floor									
Misaligned/Bulging, Extent : Severe, Area Affected : 5%									
Location : Throughout Corridor, Bunk Room And 2nd Floor									
Split/Cracked, Extent : Severe, Area Affected : 5%									
Location : Throughout Corridor, Bunk Room And 2nd Floor									

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FIRE DEPARTMENT - 057
ENGINE CO. 7/ LADDER CO. 1/ BATTALION 1
Asset # : 13006

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	

Interior

Interior Walls

Ceramic Tile	5%			2043	**	5	\$1,900
Concrete Masonry Unit	5%			LIFE	**	5	\$1,600
Gypsum Board	20%			LIFE	**	5-10	\$13,200
Masonry: Brick	15%	Now	\$23,800	LIFE	**		

Diagonal Cracks, Extent : Moderate, Area Affected : 100%

Location : Cellar

Water Penetration, Extent : Moderate, Area Affected : 15%

Location : North Wall Basement

Plaster	30%	Now	\$15,200	LIFE	**	5	\$3,500
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Cracking/Crumbling, Extent : Severe, Area Affected : 5%

Location : 2nd Floor

Water Penetration, Extent : Severe, Area Affected : 10%

Location : 3rd Floor, Front Wall

SGFT/Glazed Masonry	25%	Now	\$18,700	LIFE	**		
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Cracking/Crumbling, Extent : Moderate, Area Affected : 5%

Location : Apparatus Floor.

Diagonal Cracks, Extent : Moderate, Area Affected : 5%

Location : Apparatus Room

Ceilings

AcousTileSusp.Lay-In	15%			2047	**	5	\$4,200
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Staining/Discoloring, Extent : Light, Area Affected : 5%

Location : Various Locations Throughout

Embossed Metal	55%	Now	\$50,200	LIFE	**	5	\$7,000
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Broken/Missing Elements, Extent : Severe, Area Affected : 25%

Location : Throughout

Corrosion/Rusting, Extent : Severe, Area Affected : 25%

Location : Throughout

Paint Peeling, Extent : Severe, Area Affected : 10%

Location : Throughout

Plaster	30%			LIFE	**	5-10	\$14,600
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2047	**		
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On-Site Walkways

Cast in Place Concrete	100%			2039	**		
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Parking/Driveway

Cast in Place Concrete	100%			2047	**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	

Under 600 Volts

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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
Under 600 Volts									
	Service Equipment								
	Fused Disc Sw	100%			2034	\$16,200	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.							
	Switchgear / Switchboard								
	Fused Disc Sw	100%			2060	* *	5	\$100	
	Raceway								
	Conduit	80%			2034	\$31,600	1		
	Conduit	20%			2044	* *	1		
		Recent Installation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
	Panelboards								
	Fused Disc Sw	10%			2042	* *	5		
	Molded Case Bkrs	50%			2056	* *	5	\$200	
	Molded Case Bkrs	40%			2042	* *	5	\$200	
	Wiring								
	Thermoplastic	80%			2060	* *	1		
	Thermoplastic	20%			2044	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2039	* *	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%	0-2	\$11,100	LIFE	* *	5	\$300	
		Corroded, Extent : Light, Area Affected : 100%							
		Location : Basement							
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2047	* *	1	\$5,800	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : The Transfer Switch Is In Good Condition.							
Lighting									
	Interior Lighting								
	Fluorescent	40%			2029	\$70,300	10	\$6,900	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Basement, 1st Floor, 2nd Floor, 3rd Floor							
	LED	60%			2042	* *			
	Egress Lighting								
	Emergency, Battery	50%			2034	\$17,000	10	\$2,300	
	Exit, Battery	50%			2034	\$14,300	10	\$600	
	Exterior Lighting								
	LED	20%			2042	* *			
	No Component	80%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Alarm						
Security System						
Generic	100%	2042	* *	1		\$7,100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>						
<i>Location : Exterior And Interior</i>						
<i>Explanation : Cameras Security System</i>						

Heating						
Energy Source						
Natural Gas	100%	2054	* *	1		
Conversion Equipment						
Steam Boiler	100%	2054	* *	1		\$18,700
Recent Installation, Extent : N/A, Area Affected : 100%						
Location : Basement						
Distribution						
Central Plant Steam Piping/Pmp	100%	2044	* *	4		\$900
Leak Evident, Extent : Moderate, Area Affected : 2%						
Location : Basement						
Terminal Devices						
Convactor/Radiator	100%	2039	* *	1		\$6,100

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. 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
Ventilation									
	Exhaust Fans								
	Roof	5%			2034	\$2,000	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%			2039	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2032	\$36,600	2		
			Recent Installation, Extent : N/A, Area Affected : 100%						
			Location : Basement						
			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		
			Corroded, Extent : Light, Area Affected : 10%						
			Location : Basement						
	Sump Pump(s)								
	Non-Submersible	100%			2039	* *	4	\$400	
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Basement						
			Explanation : Duplex Unit						
	Backflow Preventer								
	No Component	90%							
	Generic	10%			2042	* *	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%			2029	\$400	1-3	\$1,900	
			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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 70/ LADDER CO. 53
Address : 169 SCHOFIELD STREET
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.070 / 13058 **Yr Built/Renovated** : 1939 /
Area Sq Ft : 6,912 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Jul-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5642 **Lot** : 118 **BIN** : 2082474

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture		\$66,500
Interior Architecture	\$432,100	\$98,200
Electrical	\$5,900	\$46,900
Mechanical		\$86,700
Site Enclosure		\$53,600
Total	\$438,000	\$351,900
Importance Code A		\$66,500
Importance Code B	\$438,000	\$231,900
Importance Code C		\$53,600
Total	\$438,000	\$351,900

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$10,100	\$5,900		
Interior Architecture	\$66,500		\$400	\$500
Electrical	\$10,300	\$500	\$500	\$2,500
Mechanical	\$11,700	\$21,500	\$1,000	\$34,900
Site Enclosure	\$14,500			
Site Pavements	\$21,600			
Total	\$134,700	\$27,900	\$1,900	\$37,900
Importance Code A	\$10,800	\$6,600	\$700	\$700
Importance Code B	\$102,300	\$21,300	\$900	\$37,200
Importance Code C	\$21,600		\$400	
Total	\$134,700	\$27,900	\$1,900	\$37,900



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. 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%			2031	\$66,500	5	\$11,900		
Windows									
Aluminum	100%	4+	\$4,900	2041	**	5	\$1,100		
Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 40%									
Location : 2nd Floor Office									
Roof									
Asphalt Shingle	100%			2042	**	10	\$2,000		
Soffits									
Wood	100%	4+	\$5,200	2038	**	5	\$6,000		
Worn/Eroded, Extent : Severe, Area Affected : 20%									
Location : Wood Soffits At Roof Overhang Due To Carpenter Bees									
Interior									
Floors									
Cast in Place Concrete	50%	Now	\$432,100	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	\$2,900	2042	**	5	\$300		
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%									
Location : Bathrooms									
Terrazzo	10%	Now	\$47,500	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+	\$2,000	2033	\$98,200	3	\$1,400		
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%									
Location : 2nd Floor Locker Room And Corridor									
Interior Walls									
Cast in Place Concrete	23%			LIFE	**				
Ceramic Tile	5%			2042	**	5	\$700		
Marble Panels	2%			LIFE	**				
Plaster	45%			LIFE	**	5	\$1,900		
SGFT/Glazed Masonry	25%			LIFE	**				
Ceilings									
AcousTileSusp.Lay-In	5%	Now	\$2,500	2050	**	5	\$300		
Broken/Missing Elements, Extent : Severe, Area Affected : 40%									
Location : 2nd Floor Office And Dining Room, 1st Floor Kitchen									
Exposed Struc: Concrete	20%			LIFE	**	5	\$300		
Plaster	75%	4+	\$11,600	LIFE	**	5	\$4,900		
Paint Peeling, Extent : Moderate, Area Affected : 15%									
Location : Locker Room And 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
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
Site Enclosure									
	Fence/Gates								
	Chain Link	50%			2043	* *			
	Wood	50%			2031	\$53,600			
Retaining Walls									
	Cast in Place Concrete	100%	Now	\$14,500	2083	* *			
	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%			2038	* *			
	On-Site Walkways								
	Cast in Place Concrete	100%			2038	* *			
	Parking/Driveway								
	Cast in Place Concrete	100%	Now	\$21,600	2046	* *			
	Cracking/Crumbling, Extent : Severe, Area Affected : 80%								
	Location : Concrete Apron Entrance Into Fire House								
	Other Observation, Extent : Severe, Area Affected : 25%								
	Location : Concrete Driveway Apron Into Fire House								
	Explanation : Uneven								
	Activity Yard								
	Cast in Place Concrete	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									
	Service Equipment								
	Fused Disc Sw	100%			2059	* *	5		
	Other Observation, Extent : Moderate, Area Affected : 100%								
	Location : Basement Main Electrical Area								
	Explanation : 200 Amperes Capacity								
Raceway									
	Conduit	100%			2043	* *	1		
Panelboards									
	Molded Case Bkrs	50%			2032	\$24,200	5	\$100	
	Molded Case Bkrs	50%			2055	* *	5	\$100	
Wiring									
	Braided Cloth	30%	2-4	\$9,800	2058	* *	1		
	Insulation Aged, Extent : Moderate, Area Affected : 100%								
	Location : Throughout The Building								
	Thermoplastic	20%			2043	* *	1		
	Thermoplastic	50%			2053	* *	1		
Motor Controllers									
	Locally Mounted	100%			2031	\$17,800	5		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 70/ LADDER CO. 53
Asset # : 13058

Electrical		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%			2050	* *	1	\$2,100	
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Basement							
		Explanation : Transfer Switch							
Generators									
	Diesel	100%			2046	* *	1	\$2,700	
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Outside							
		Explanation : 75 Kilovolt Amperes							
Batteries									
	Not Accessible	100%							
Fuel Storage									
	Day Tank	100%			2055	* *	5		
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Outside							
		Explanation : 120 Gallons Day Capacity							
Lighting									
	Interior Lighting								
	Fluorescent	10%			2028	\$5,900	10	\$600	
		T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Throughout							
	Fluorescent	80%			2033	\$46,900	10	\$5,100	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Throughout							
	LED	10%			2041	* *			
Egress Lighting									
	Emergency, Battery	50%			2033	\$5,700	10	\$800	
	Exit, Battery	50%			2033	\$4,800	10	\$200	
Exterior Lighting									
	Fluorescent	5%			2028	\$1,300	10		
		Compact Fluorescent Light, Extent : Moderate, Area Affected : 100%							
		Location : Exterior							
	LED	15%			2041	* *			
	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%			2053	* *	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. 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
Heating									
	Conversion Equipment								
	Steam Boiler	100%			2038	* *	1	\$6,900	
	Distribution								
	Steam Piping/Pump	100%			2043	* *			
	Terminal Devices								
	Convactor/Radiator	100%			2038	* *	1	\$2,200	
Air Conditioning									
	Energy Source								
	Electricity	100%			2049	* *	1		
	Conversion Equipment								
	Window/Wall Unit	80%	0-2	\$2,000	2026	\$20,500	1		
		Malfunctioning, Extent : Moderate, Area Affected : 30%							
		Location : Various. Three Window Air Condition Units Are Not Working							
	No Component	20%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2033	\$86,700	1		
	Water Heater With Tanks								
	Gas Fired	100%			2028	\$33,400	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 74 Gallon Units							
	Sanitary Piping								
	Cast Iron	100%	Now	\$8,500	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 10%							
		Location : 2nd Floor Toilet Backing Up							
		Leak Evident, Extent : Moderate, Area Affected : 10%							
		Location : 2nd Floor Showers Leak Over Kitchen							
	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%			2028	\$400	1-3	\$1,900	
		Other Observation, Extent : Light, Area Affected : 5%							
		Location : Kitchen							
		Explanation : Kitchen Fire Suppression System Covers 24 Square Feet							

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$266,700	\$180,200
Interior Architecture		\$12,400
Electrical		\$195,300
Mechanical		\$120,900
Total	\$266,700	\$508,900
Importance Code A	\$266,700	\$301,100
Importance Code B		\$195,300
Importance Code C		\$12,400
Total	\$266,700	\$508,900

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$72,000			
Interior Architecture	\$77,800	\$700	\$1,000	\$2,200
Electrical	\$3,800	\$1,100	\$800	\$800
Mechanical	\$41,600	\$64,100	\$7,100	\$6,300
Site Enclosure	\$2,600			
Site Pavements	\$7,000			
Total	\$204,800	\$65,900	\$8,900	\$9,200
Importance Code A	\$96,200	\$700	\$600	\$600
Importance Code B	\$61,900	\$65,100	\$8,300	\$8,700
Importance Code C	\$46,800			
Total	\$204,800	\$65,900	\$8,900	\$9,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 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	\$14,900	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+	\$59,800	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	\$49,200	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	\$192,000	2056	* *	5	\$2,100	
		Condensation Present, Extent : Moderate, Area Affected : 10%							
		Location : House Watch Window							
		Ctwt/Balnc Not Funct, Extent : Severe, Area Affected : 80%							
		Location : On Sawtooth Section							
	Metal Louvers	5%			2034	\$11,800	10	\$1,400	
Parapets									
	Masonry: Brick Cavity	30%			LIFE	* *	5	\$600	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Parapet Walls							
		Explanation : Covered With Roofing							
	Metal Panel	70%	0-2	\$5,700	2041	* *	5	\$2,800	
		Caulking Deteriorated, Extent : Moderate, Area Affected : 50%							
		Location : Metal Coping Caulk Joints Failing 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. 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 Built-Up (BUR)	5%			2034	\$6,000	10	\$200	
	70%	0-2	\$9,000	2031	\$180,200			
	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	\$8,000	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	\$9,500	
Cast in Place Concrete	20%	Now	\$5,800	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	\$9,600	5	\$200	
Ceramic Tile	4%			2044	* *	5	\$700	
	Recent Installation, Extent : N/A, Area Affected : 75%							
	Location : Toilet Rooms							
Sheet Vinyl/Rubber	5%			2036	* *	5	\$1,300	
Vinyl Tile	45%			2036	* *	3	\$2,900	
	Recent Installation, Extent : N/A, 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	\$12,400	5	\$200	
Ceramic Tile	4%			2044	* *	5	\$900	
	Recent Construction, Extent : N/A, Area Affected : 40%							
	Location : Toilet Rooms							
Concrete Masonry Unit	35%	Now	\$37,200	LIFE	* *	5	\$3,200	
	Water Penetration, Extent : Moderate, Area Affected : 20%							
	Location : Basement Walls And Ground Water Penetration							
Gypsum Board	30%			LIFE	* *	5	\$4,200	
SGFT/Glazed Masonry	30%			LIFE	* *			

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FIRE DEPARTMENT - 057
ENGINE CO. 71/ LADDER CO. 55/ DIVISION 6
Asset # : 13059

Architecture		Current Repair		Future Replacement		Maintenance			
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+	\$900	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 : N/A, Area Affected : 5%							
		Location : 2nd Floor							
	Exposed Struc: Steel	40%	Now	\$32,700	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+	\$1,200	LIFE	* *	5	\$4,400	
		Water Penetration, Extent : Moderate, Area Affected : 5%							
		Location : Mens Locker Room							
Site Enclosure									
	Fence/Gates								
	Aluminum Picket	50%	Now	\$2,600	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	\$7,000	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		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	

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	\$4,800	5		
	Wiring								
	Thermoplastic	100%			2041	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2029	\$17,800	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$200	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2036	* *	1	\$3,600	
	Generators								
	Diesel	100%			2034	\$99,500	1	\$4,500	
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Basement						
			Explanation : Emergency Generator Rated At 50 Kilowatts						
	Batteries								
	Lead/Acid	100%			2025	\$2,400	5	\$400	
	Fuel Storage								
	Day Tank	5%			2039	* *	5		
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Generator Room						
			Explanation : 25 Gallons Rated Capacity						
	Main Tank	95%			2046	* *	5		
			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	\$93,900	10	\$10,200	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Throughout The Building							
		Explanation : T-8 Lamps							
	Fluorescent	2%			2031	\$2,000	10	\$200	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Hallways							
		Explanation : Compact Fluorescent Lamps							
	Fluorescent	1%	Now	\$400	2041	* *			
		Malfunctioning, Extent : Severe, Area Affected : 100%							
		Location : Kitchen							
	LED	2%			2039	* *			
Egress Lighting									
	Emergency, Service	50%			2031	\$3,500	1		
	Exit, Service	50%			2031	\$2,500	1		
Exterior Lighting									
	HID	20%			2031	\$10,600	10		
	No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance		
System 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	\$24,200	2029	\$120,900	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	\$600	
Terminal Devices								
Convactor/Radiator	50%			2029	\$46,500	1	\$1,900	
Unit Heater - Steam	50%	0-2	\$3,200	2026	\$32,300	4	\$500	
Unit Inoperable, Extent : Moderate, Area Affected : 100%								
Location : Unit Heater In Apparatus Room Not Working								
Air Conditioning								
Energy Source								
Electricity	100%			2039	* *	1		
Conversion Equipment								
Window/Wall Unit	60%			2029	\$25,900	1		
No Component	40%							

Ventilation

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FIRE DEPARTMENT - 057
ENGINE CO. 71/ LADDER CO. 55/ DIVISION 6
Asset # : 13059

Mechanical		Current Repair			Future Replacement		Maintenance		
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	\$3,200	
	No Component	50%							
Exhaust Fans									
	Roof	50%	0-2	\$2,200	2031	\$11,000	2	\$100	
		Malfunctioning, Extent : Moderate, Area Affected : 50%							
		Location : One Roof Exhaust Fan							
	Wall Unit	50%			2031	\$2,500	2	\$200	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%	Now	\$2,900	2041	* *	1		
		Corroded, Extent : Moderate, Area Affected : 5%							
		Location : Water Main Valve, Basement							
Water Heater With Tanks									
	Gas Fired	100%			2029	\$16,700	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 74 Gallon Units							
Sanitary Piping									
	Cast Iron	100%	Now	\$2,900	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	\$500	2031	\$2,300	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	\$23,600	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	\$15,900	1-3	\$83,300	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Kitchen							
		Explanation : Serves Cooking Area							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 72
Address : 3929 EAST TREMONT AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.072 / 13060 **Yr Built/Renovated** : 1972 /
Area Sq Ft : 7,574 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Jul-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5443 **Lot** : 170 **BIN** : 2077258

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$803,300	\$129,900
Interior Architecture		\$310,400
Site Pavements	\$53,100	
Total	\$856,400	\$440,300
Importance Code A	\$803,300	\$129,900
Importance Code B	\$53,100	\$310,400
Total	\$856,400	\$440,300

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$54,400	\$1,600		\$17,700
Interior Architecture	\$37,400	\$600	\$900	
Electrical	\$500	\$3,200	\$500	\$1,300
Mechanical	\$27,700	\$600	\$1,700	\$63,700
Site Enclosure	\$5,900			
Site Pavements	\$31,900			\$100
Total	\$157,900	\$6,000	\$3,100	\$82,900
Importance Code A	\$58,300	\$2,000	\$400	\$18,200
Importance Code B	\$59,900	\$4,000	\$2,400	\$64,500
Importance Code C	\$39,700		\$400	\$100
Total	\$157,900	\$6,000	\$3,100	\$82,900



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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	\$803,300	LIFE	**	5	\$16,600	1
	Cracking/Crumbling, Extent : Severe, Area Affected : 25%								
	Location : Throughout								
	Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 90%								
	Location : Throughout								
	Loose Units, Extent : Severe, Area Affected : 15%								
	Location : Throughout								
	Spalling, Extent : Severe, Area Affected : 80%								
	Location : Throughout All Facades								
	Vegetation Growth, Extent : Severe, Area Affected : 10%								
	Location : Rear Facade								
	Vertical Cracks, Extent : Severe, Area Affected : 15%								
	Location : Throughout								
	Metal Sect. OHD	5%			2046	**	5	\$3,300	
	Window Wall	5%	4+	\$600	2043	**	5	\$2,000	
	Glazing Broken/Cracked, Extent : Moderate, Area Affected : 2%								
	Location : Inner Courtyard								
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Inner Courtyard								
	Explanation : Storefront Glazing Assembly								
Windows									
	Aluminum	100%	Now	\$27,800	2041	**	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%			2043	**	5	\$7,400	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : At Roof								
	Explanation : Metal Coping								
	Metal Rail	40%			2038	**	5-10	\$23,100	
Roof									
	Modified Bitumen	95%	0-2	\$26,000	2033	\$129,900			
	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%			2038	**	1		
Soffits									
	Stucco Cement	100%			2046	**	5		
Interior									

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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	\$30,000	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%			2046	* *	5	\$200		
	Recent Installation, Extent : N/A, Area Affected : 100%								
	Location : 2nd Floor Bathroom								
Mosaic Tile	3%	Now	\$1,700	2038	* *	5	\$500		
	Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
	Location : 2nd Floor Main Bathroom								
Quarry Tile	2%			2046	* *	5	\$400		
Vinyl Tile 9" X 9"	33%			2033	\$310,400	3	\$1,500		
Interior Walls									
Cast in Place Concrete	10%	4+	\$5,800	LIFE	* *				
	Water Penetration, Extent : Severe, Area Affected : 2%								
	Location : Front Of Cellar								
Ceramic Tile	5%			2042	* *	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%			2031	\$9,800	5	\$600		
Exposed Struc: Concrete	70%			LIFE	* *	5	\$1,300		
Plaster	25%			LIFE	* *	5	\$1,900		
Site Enclosure									
Fence/Gates									
Cast in Place Concrete	20%	Now	\$2,100	2053	* *				
	Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
	Location : East Side Of Building								
Chain Link	65%			2043	* *				
	Corrosion/Rusting, Extent : Moderate, Area Affected : 50%								
	Location : Throughout								
Wood	15%			2031	\$19,300				
Free Standing Walls									
Concrete Masonry Unit	100%			2053	* *				
Retaining Walls									
Cast in Place Concrete	100%	4+	\$3,900	2068	* *				
	Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
	Location : Cross Bronx Expressway								
Site Pavements									
Public Sidewalk									
Cast in Place Concrete	100%	Now	\$53,100	2038	* *				
	Cracking/Crumbling, Extent : Severe, Area Affected : 20%								
	Location : Cross Bronx Expressway, East Tremont Avenue								

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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%				2036	**			
Cast in Place Concrete	25%	Now		\$300	2046	**			
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 20%</i>									
<i>Location : North Side Of Building</i>									
Pavers/Stone	5%				2042	**			
Wood	45%	2-4		\$10,900	2033	\$10,900	1-3	\$500	
<i>Rotting/Splitting, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Rear Yard</i>									

Parking/Driveway

Asphalt	100%	Now		\$20,700	2042	**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Parking Lot Area</i>									

Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%				2043	**	5	\$200	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : 200 Amperes</i>									

Raceway

Conduit	100%				2043	**	1		
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Panelboards

Molded Case Bkrs	100%				2041	**	5	\$200	
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Wiring

Thermoplastic	100%				2043	**	1		
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Motor Controllers

Locally Mounted	100%				2038	**	5	\$100	
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Ground

Grounding Devices

Generic	100%				LIFE	**	5	\$100	
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Stand-by Power

Transfer Switches

Automatic	100%				2038	**	1	\$2,300	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : 400 Amperes 3 Pole</i>									

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FIRE DEPARTMENT - 057
ENGINE CO. 72
Asset # : 13060

Electrical		Current Repair			Future Replacement		Maintenance		
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%

2036

* *

1

\$2,900

*Enclosure Corroded, Extent : Moderate, Area Affected : 20%**Location : Backyard**Other Observation, Extent : Light, Area Affected : 100%**Location : Backyard**Explanation : 40 Kilowatt, 50 Kilovolt Amperes 3 Phase*

Batteries

Lead/Acid

100%

2026

\$2,400

5

\$300

Fuel Storage

Day Tank

100%

2041

* *

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Under Enclosure Backyard**Explanation : 50 Gallons Diesel Fuel*

Lighting

Interior Lighting

Fluorescent

10%

2038

* *

10

\$700

*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : 1st And 2nd Floor*

LED

90%

2041

* *

Egress Lighting

Emergency, Service

50%

2033

\$2,300

1

Exit, Service

50%

2033

\$1,600

1

Exterior Lighting

LED

20%

2041

* *

No Component

80%

Mechanical

System Component Type		% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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Heating

Energy Source

Natural Gas

100%

2053

* *

1

Conversion Equipment

Hot Water Boiler

100%

Now

\$3,900

2046

* *

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%

2041

* *

4

\$600

Terminal Devices

Convactor/Radiator

90%

2038

* *

1

\$2,200

Unit Heater - Hot Water

10%

2033

\$4,400

Air Conditioning

Energy Source

Electricity

100%

2049

* *

1

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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								
	Interior Pkg Unit - Cooling	10%			2031	\$11,700	2		
	Exterior Pkg Unit - Cooling	20%	Now	\$16,200	2043	* *	2	\$100	
		Abandoned in Place, Extent : Light, Area Affected : 30% Location : 1 Unit On Roof							
	Split Unit	20%	0-2	\$3,500	2028	\$35,100			
		Malfunctioning, Extent : Moderate, Area Affected : 100% Location : Unit Is Not Reliable							
	Window/Wall Unit	40%	0-2	\$2,200	2028	\$11,200	1		
		Malfunctioning, Extent : Moderate, Area Affected : 40% Location : Various Locations. Three Units Are Not Working							
	No Component	10%							
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%			2038	* *	2	\$200	
		Malfunctioning, Extent : Severe, Area Affected : 10% Location : Kitchen Hood Too Small							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2043	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2028	\$16,700	2		
		Other Observation, Extent : Light, Area Affected : 100% Location : Basement Explanation : One 75 Gallon Unit							
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
		Other Observation, Extent : Moderate, Area Affected : 10% Location : Basement Explanation : Waste Line At Basement Is Not Properly Picked To Allow Easy Flow To The Sewer							
	Storm Drain Piping								
	Cast Iron	100%	Now	\$1,300	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 10% Location : Main Sewer Connection							
	Sump Pump(s)								
	Non-Submersible	100%			2033	\$1,500	4	\$200	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 72
Asset # : 13060

Mechanical		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%			2038	* *	1		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : Serves Boiler Only								
<hr/>									
	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 27-Jan-2023 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2675 **Lot** : 33 **BIN** : 2094318

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$94,700	\$27,100
Mechanical	\$134,400	\$155,800
Total	\$229,200	\$182,900
Importance Code A	\$94,700	\$27,100
Importance Code B	\$134,400	\$155,800
Total	\$229,200	\$182,900

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$112,800			
Interior Architecture	\$102,900		\$6,000	\$2,200
Electrical	\$3,300	\$2,500	\$2,700	\$5,100
Mechanical	\$90,500	\$1,700	\$3,300	\$1,800
Site Enclosure	\$1,600			
Site Pavements	\$24,600			
Total	\$335,600	\$4,100	\$11,900	\$9,200
Importance Code A	\$113,500	\$800	\$800	\$800
Importance Code B	\$167,200	\$3,400	\$11,200	\$7,800
Importance Code C	\$54,900			\$700
Total	\$335,600	\$4,100	\$11,900	\$9,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 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	\$40,400	LIFE	**	5	\$25,100	
Expansion Joint Failure, Extent : Severe, Area Affected : 10% Location : Between E73 And L42								
Masonry: Granite	5%	Now	\$12,900	LIFE	**	5	\$1,300	
Staining/Discoloring, Extent : Moderate, Area Affected : 40% Location : Front Facade.								
Masonry: Limestone	10%			LIFE	**	5	\$5,000	
Metal Sect. OHD	10%	Now	\$35,600	2047	**	5	\$5,200	
Other Observation, Extent : Severe, Area Affected : 50% Location : Apparatus Area Explanation : Constantly Breaks Down								
Windows								
Aluminum	100%			2050	**	5	\$3,500	
Parapets								
Masonry: Brick	90%			LIFE	**	5-10	\$19,000	
Masonry: Limestone	10%			LIFE	**	5-10	\$3,800	
Roof								
Asphalt Shingle	10%			2043	**	10	\$200	
Other Observation, Extent : Light, Area Affected : 100% Location : Addition Behind Building Explanation : Additional Storage Building On Property								
Modified Bitumen	70%	Now	\$94,700	2044	**			
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%			2034	\$27,100	10	\$2,500	
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$39,700	
Ceramic Tile	10%			2043	**	5	\$2,300	
Quarry Tile	5%			2047	**	5	\$1,700	
Worn/Eroded, Extent : Light, Area Affected : 5% Location : Kitchen								
Vinyl Tile	15%	Now	\$27,600	2044	**	3	\$1,300	
Worn/Eroded, Extent : Severe, Area Affected : 100% Location : 2nd Floor								
Wood	30%			2069	**	5	\$12,800	
Deteriorated Finish, Extent : Light, Area Affected : 15% 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.

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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

Architecture		Current 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	25%	Now	\$1,800	LIFE	**	5	\$4,000	
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Second Floor Locker Room								
Masonry: Brick	25%	Now	\$25,100	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+	\$2,600	LIFE	**	5	\$1,600	
Worn/Eroded, Extent : Light, Area Affected : 5%								
Location : 3rd Floor Stair.								
SGFT/Glazed Masonry	25%			LIFE	**	10	\$3,400	
Ceilings								
AcousTileSusp.Lay-In	45%			2047	**	5	\$10,200	
Exposed Struc: Steel	25%			LIFE	**	10	\$11,400	
Gypsum Board	20%			LIFE	**	5-10	\$15,600	
Plaster	10%	4+	\$1,300	LIFE	**	5	\$1,400	
Water Penetration, Extent : Moderate, Area Affected : 2%								
Location : Engine Side Common Room								
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$1,600	2060	**			
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Rear Of Property								
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	4+	\$4,100	2047	**			
Other Observation, Extent : Moderate, Area Affected : 5%								
Location : Front Section Of Basement								
Explanation : Water Penetration								
Parking/Driveway								
Cast in Place Concrete	100%	Now	\$20,500	2047	**			
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : Front Apron								
Other Observation, Extent : Severe, Area Affected : 25%								
Location : Front Apron								
Explanation : Apron And Street Sinking. Allowing Vehicle To Hit Sidewalk								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

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. 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
Under 600 Volts									
	Service Equipment								
	Fused Disc Sw	80%			2044	* *	5	\$100	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : One Main Service Switch Rated At 400 Amperes.							
	Fused Disc Sw	20%			2044	* *	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : One Service Switch Rated At 400 Amperes For Emergency Service.							
	Switchgear / Switchboard								
	Fused Disc Sw	100%			2044	* *	5	\$100	
	Raceway								
	Conduit	100%			2044	* *	1		
	Panelboards								
	Molded Case Bkrs	100%			2042	* *	5	\$400	
	Wiring								
	Thermoplastic	100%			2044	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2039	* *	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$400	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2047	* *	1	\$4,700	
	Generators								
	Diesel	100%			2043	* *	1	\$5,900	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Outside The Building							
		Explanation : Rated At 125 Kilovolt Amperes							
	Batteries								
	Lead/Acid	100%			2028	\$2,400	5	\$600	
	Fuel Storage								
	Day Tank	50%			2050	* *	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Outside The Building							
		Explanation : 225 Gallons Rated Capacity							
	Main Tank	50%			2062	* *	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 550 Gallons Rated Capacity							
Lighting									
	Interior Lighting								
	LED	100%			2042	* *			

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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

Electrical		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	30%			2039	* *	1		
	Emergency, Battery	30%			2039	* *	10	\$1,100	
	Exit, Battery	30%			2039	* *	10	\$300	
	Exit, Battery	10%			2034	\$2,100	10	\$100	
	Exterior Lighting								
	LED	20%			2039	* *			
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Building Perimeter							
		Explanation : Controlled Via Photocell							
	No Component	80%							

Alarm									
	Security System								
	Generic	100%			2039	**	1	\$5,700	
	<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
	<i>Location : Outside The Building</i>								
	<i>Explanation : CCTV Surveillance Cameras</i>								
	Fire/Smoke Detection								
	Generic, Digital	100%			2034	\$38,200	1-3	\$9,600	
	<i>Other Observation, Extent : N/A, Area Affected : 100%</i>								
	<i>Location : Throughout The Building</i>								
	<i>Explanation : Central Control Panel, Smoke Detection.</i>								

Mechanical		Current Repair			Future 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%			2044	* *	1		
	Conversion Equipment								
	Hot Water Boiler	50%			2039	* *	1	\$3,800	
	Hot Water Boiler	50%			2047	* *	1	\$3,800	
	Distribution								
	Hot Wtr Piping/Pump	50%	0-2	\$800	2042	* *	4	\$400	
		Leak Evident, Extent : Moderate, Area Affected : 5%							
		Location : Basement. Boiler Header Piping							
	No Component	50%							
	Terminal Devices								
	Convector/Radiator	30%			2039	* *	1	\$1,500	
	Fan Coil Unit/Heat	20%			2034	\$73,500	1	\$1,000	
	No Component	50%							
	Controls								
	Electrical	100%	0-2	\$41,200	2029	\$82,400			
		Broken, Extent : Moderate, Area Affected : 100%							
		Location : Throughout. Defective Thermostat							

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%			2050	**	1		
Conversion Equipment								
Ext Pkg Unit - Heating/Cooling	90%	2-4	\$134,400	2044	**	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	\$3,500	2039	**			
			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	\$32,500	LIFE	**	2-5	\$8,500	
			Unbalanced System, Extent : Moderate, Area Affected : 10%					
			Location : Kitchen And 1st Floor Television 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	\$1,400	2034	\$28,700	2	\$400	
			Not in Service, Extent : Moderate, Area Affected : 10%					
			Location : Kitchen Exhaust					
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2054	**	1		
Water Heater With Tanks								
Gas Fired	100%			2032	\$16,700	2		
			Other Observation, Extent : Light, Area Affected : 100%					
			Location : Basement					
			Explanation : Two 74 Gallon Units					
Sanitary Piping								
Cast Iron	100%	0-2	\$9,300	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%			2027	\$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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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%			2044	* *	1-2	\$4,200	
Chemical System									
	No Component	98%							
	Generic	2%			2029	\$300	1-3	\$1,600	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Kitchen									
Explanation : 1 Set Fire Suppression System Covers 72 Square Feet (12x6).									

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 74
Address : 120 WEST 83rd STREET BTWN COLUMBUS AV - AMSTERDAM AV
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.074 / 13062 **Yr Built/Renovated** : 1888 / 2011
Area Sq Ft : 6,003 **Project Type** : FIRE DEPARTMENT
Date of Survey : 19-May-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3,4
Block : 1213 **Lot** : 41 **BIN** : 1032079

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture		\$132,200
Electrical		\$63,500
Mechanical		\$75,300
Total		\$271,000
Importance Code B		\$271,000
Total		\$271,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$16,800			
Interior Architecture	\$39,800	\$1,300	\$300	\$600
Electrical		\$100	\$100	
Mechanical	\$5,100	\$2,000	\$3,500	\$1,900
Site Enclosure	\$5,600			
Site Pavements	\$400			
Total	\$67,800	\$3,400	\$3,900	\$2,500
Importance Code A	\$17,400	\$600	\$600	\$600
Importance Code B	\$38,200	\$1,700	\$3,300	\$1,900
Importance Code C	\$12,200	\$1,100		
Total	\$67,800	\$3,400	\$3,900	\$2,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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%			2042	* *	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								
Metal Sect. OHD	10%			2045	* *	5	\$8,900	
Windows								
Aluminum	100%	Now	\$9,500	2048	* *	5	\$500	
Ctwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%								
Location : Throughout								
Parapets								
Masonry: Brick	45%			LIFE	* *	5	\$300	
Metal Cornice	10%			2060	* *	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	\$100	2041	* *			
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 100%								
Location : Throughout								
Patching Evident, Extent : Severe, Area Affected : 5%								
Location : Throughout								
Modified Bitumen	90%	4+	\$2,600	2037	* *			
Blisters, Extent : Severe, Area Affected : 2%								
Location : At Roof Egress Door								

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. 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	\$17,000	LIFE	* *	5	\$4,500	
	Cracking/Crumbling, Extent : Severe, Area Affected : 15%								
	Location : Throughout Basement, Apparatus Floor								
	Other Observation, Extent : Severe, Area Affected : 40%								
	Location : Basement								
	Explanation : Steel Columns Support Apparatus Floor Above								
	Ceramic Tile	5%			2041	* *	5	\$400	
	Quarry Tile	5%	0-2	\$2,900	2045	* *	5	\$300	
	Cracking/Crumbling, Extent : Light, Area Affected : 20%								
	Location : Throughout								
	Sheet Vinyl/Rubber	5%			2032	\$26,100	5	\$600	
	Vinyl Tile	60%	Now	\$2,600	2032	\$132,200	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%			2041	* *	5	\$2,200	
	Gypsum Board	5%			LIFE	* *	5	\$300	
	Masonry: Brick	10%	Now	\$4,200	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	\$2,500	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%			2045	* *	5	\$4,500	
	Embossed Metal	20%	0-2	\$8,400	LIFE	* *	5	\$700	
	Deformed/Dented, Extent : Light, Area Affected : 10%								
	Location : 1st Floor								
	Plaster	25%			LIFE	* *	5	\$1,300	
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. 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 \$5,600 2042 * *

Corrosion/Rusting, Extent : Moderate, Area Affected : 100%

Location : Throughout

Free Standing Walls

Masonry: Brick

100% 2052 * *

Site Pavements

Public Sidewalk

Cast in Place Concrete

100% 4+ \$400 2045 * *

Cracking/Crumbling, Extent : Light, Area Affected : 10%

Location : Throughout

Parking/Driveway

Cast in Place Concrete

100% 2045 * *

Activity Yard

Cast in Place Concrete

100% 2045 * *

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% 2032 \$14,700 5

Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : One 200 Ampere Main Disconnect Switch

Switchgear / Switchboard

Molded Case Bkrs

100% 2032 \$63,500 5 \$200

Raceway

Conduit

90% 2032 \$32,400 1

Conduit

10% 2052 * * 1

Panelboards

Fused Disc Sw

5% 2031 \$2,400 5

Molded Case Bkrs

60% 2031 \$29,100 5 \$100

Molded Case Bkrs

35% 2048 * * 5 \$100

Wiring

Thermoplastic

60% 2032 \$19,500 1

Thermoplastic

40% 2052 * * 1

Motor Controllers

Locally Mounted

100% 2030 \$17,800 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. 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

20%

2037

* *

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%

2052

* *

1

Conversion Equipment

Steam Boiler

100%

2045

* *

1

\$5,900

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One Unit*

Distribution

Central Plant Steam

100%

2042

* *

4

\$400

Piping/Pmp

Terminal Devices

Convactor/Radiator

100%

2037

* *

1

\$1,900

Air Conditioning

Energy Source

Electricity

100%

2048

* *

1

Conversion Equipment

Split Unit

30%

2037

* *

Window/Wall Unit

50%

2030

\$11,100

1

No Component

20%

Plumbing

H/C Water Piping

Brass/Copper

100%

2032

\$75,300

1

*Not Insulated, Extent : Moderate, Area Affected : 100%**Location : Basement**No Water Meter, Extent : Light, Area Affected : 100%**Location : Basement*

Water Heater With Tanks

Gas Fired

100%

2030

\$16,700

2

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Two 74 Gallon 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. 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	\$2,100	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	\$1,200	2042	* *	4	\$100	
		Malfunctioning, Extent : Severe, Area Affected : 100%							
		Location : Basement. Sump Pump Not Working							
		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%			2037	* *	1		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Serves Boiler Only							
Fire Suppression									
	Sprinkler								
	No Component	97%							
	Generic	3%			2052	* *	1-2		
Chemical System									
	Wet	10%			2030	\$1,600	1-3	\$8,300	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Kitchen							
		Explanation : Model Kp 275 For Kitchen Hood							
	No Component	80%							
	Generic	10%			2030	\$1,600	1-3	\$7,400	
		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.
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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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 03-May-2023 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3186 **Lot** : 37 **BIN** : 2000000

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$46,600		\$3,700	
Interior Architecture	\$83,800		\$900	\$2,900
Electrical	\$33,900	\$2,000	\$4,600	\$2,300
Mechanical	\$5,700	\$1,100	\$2,200	\$1,100
Total	\$170,000	\$3,100	\$11,400	\$6,200
Importance Code A	\$47,200	\$600	\$4,300	\$600
Importance Code B	\$97,900	\$2,500	\$7,100	\$4,200
Importance Code C	\$24,900			\$1,500
Total	\$170,000	\$3,100	\$11,400	\$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
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	\$24,900	
	Metal Sect. OHD	10%			2047	**	5	\$7,300	
	Pre-Cast Concrete	5%			LIFE	**	5	\$7,600	
Windows									
	Aluminum	100%			2050	**	5	\$2,100	
Parapets									
	Concrete Masonry Unit	85%			LIFE	**	5-10	\$29,400	
	Pre-Cast Concrete	15%			LIFE	**	5	\$11,900	
Roof									
	Modified Bitumen	60%			2039	**	10	\$9,900	
	Plaza Roof: Stone Panels	40%			2054	**			
Soffits									
	Exposed Struc: Steel	100%			LIFE	**	5		
Interior									
Floors									
	Cast in Place Concrete	40%	Now	\$12,500	LIFE	**	5	\$16,400	
	Horizontal Cracks, Extent : Light, Area Affected : 20%								
	Location : Basement And Apparatus Floor.								
	Ceramic Tile	15%			2043	**	5	\$2,800	
	Quarry Tile	5%	Now	\$13,500	2047	**	5	\$700	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 15%								
	Location : Kitchen								
	Uneven Substrate, Extent : Severe, Area Affected : 20%								
	Location : Kitchen								
	Vinyl Tile	40%			2039	**	3	\$2,800	
Interior Walls									
	Ceramic Tile	15%			2043	**	5	\$2,900	
	Concrete Masonry Unit	45%	Now	\$16,200	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	**	5-10	\$13,400	
Ceilings									
	AcousTileSusp.Lay-In	45%	Now	\$2,700	2047	**	5	\$4,200	
	Broken/Missing Elements, Extent : Light, Area Affected : 2%								
	Location : 2nd Floor Laundry Room.								
	Exposed Struc: Concrete	55%	Now	\$30,200	LIFE	**	5	\$1,600	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 4%								
	Location : Roof Stair Bulkhead And Basement Below Kitchen								
Site Enclosure									
Fence/Gates									
	Chain Link	50%			2054	**			
	Iron Picket	50%			2069	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future 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. 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

Free Standing Walls

Concrete Masonry Unit

100%

2054

* *

Site Pavements

Public Sidewalk

Cast in Place Concrete

100%

2047

* *

On-Site Walkways

Cast in Place Concrete

100%

2047

* *

Parking/Driveway

Asphalt

80%

2043

* *

Cast in Place Concrete

20%

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%

2044

* *

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%

2044

* *

5

\$100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room**Explanation : One Vertical Section*

Raceway

Conduit

100%

2044

* *

1

Panelboards

Molded Case Bkrs

100%

2042

* *

5

\$300

Wiring

Thermoplastic

100%

2044

* *

1

Motor Controllers

Locally Mounted

100%

2039

* *

5

\$100

Ground

Grounding Devices

Generic

100%

LIFE

* *

5

\$400

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Apparatus Floor Right Corner**Explanation : Connected To The Main Water Supply*

Stand-by Power

Transfer Switches

Automatic

100%

2039

* *

1

\$3,900

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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FIRE DEPARTMENT - 057
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%			2037	* *	1	\$4,900	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Rear Yard									
Explanation : 80 Kilovolt Amperes Rating Capacity									
Batteries									
	Lead/Acid	100%			2027	\$2,400	5	\$500	
Fuel Storage									
	Main Tank	100%			2049	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Rear Yard									
Explanation : 60 Gallons Rated Capacity									
Lighting									
Interior Lighting									
	Fluorescent	5%			2029	\$5,300	10	\$600	
T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%									
Location : 2nd Floor Corridor									
	LED	95%			2039	* *			
Egress Lighting									
	Emergency, Service	50%			2034	\$3,800	1		
	Exit, Service	50%			2029	\$2,600	1		
Exterior Lighting									
	LED	20%			2039	* *			
	No Component	80%							
Alarm									
Security System									
	Generic	100%			2042	* *	1	\$4,700	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Exterior Only									
Explanation : Cameras Security System									
Fire/Smoke Detection									
	Generic, Digital	100%	0-2	\$31,600	2044	* *	1-3	\$7,000	
Not in Service, Extent : Severe, Area Affected : 100%									
Location : Throughout The Building									
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%			2054	* *	1		

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** 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%			2039	**	1	\$3,100	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Roof							
Furnace		Explanation : 6 Gasoline Fired Heating, Cooling Units							
	Furnace	10%			2029	\$3,800	1	\$600	
		Other Observation, Extent : Light, Area Affected : 100%							
Hot Water Boiler		Location : Roof							
		Explanation : Rooftop Unit							
	Hot Water Boiler	40%			2047	**	1	\$2,500	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : 1 In Basement, 1 In 2nd Floor							
		Explanation : 2 Units							
Distribution									
Hot Wtr Piping/Pump		40%			2050	**	4	\$400	
	No Component	60%							
Terminal Devices									
Convector/Radiator		25%			2047	**	1	\$1,000	
	Unit Heater - Hot Water	15%			2039	**			
	No Component	60%							
Air Conditioning									
Energy Source									
Electricity		100%			2050	**	1		
Conversion Equipment									
Ext Pkg Unit - Heating/Cooling		100%			2039	**	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	\$11,100	
Exhaust Fans									
Roof		100%			2039	**	2	\$400	
Plumbing									
H/C Water Piping									
Brass/Copper		100%			2054	**	1		
Water Heater With Tanks									
Gas Fired		50%			2032	\$8,300	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
Gas Fired		Explanation : One 74 Gallon Unit							
	Gas Fired	50%	0-2	\$200	2032	\$8,300	2		
		Not in Service, Extent : Moderate, Area Affected : 10%							
		Location : Basement							
Sanitary Piping									
Cast Iron		100%			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. 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		
		Blockage /Clogged, Extent : Moderate, Area Affected : 20%							
		Location : Occasional Backup At Apparatus Room During Heavy Rainfall							
Sump Pump(s)									
	Non-Submersible	70%			2039	* *	4	\$200	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Duplex Unit							
	Submersible	30%	Now	\$100	2029	\$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%			2034	\$5,500	1	\$800	
Fixtures									
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	98%							
	Generic	2%			2029	\$400	1-3	\$1,900	
		Other Observation, Extent : Light, Area Affected : 10%							
		Location : Kitchen							
		Explanation : 1 Set Kitchen Fire Suppression System Covers 24 Square Feet (6x4)							

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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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 76/ LADDER CO. 22 CO-LOCATE (PRECINCT 24)
Address : 145 WEST 100th STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.076 / 13064 **Yr Built/Renovated** : 1960 /
Area Sq Ft : 12,803 **Project Type** : FIRE DEPARTMENT
Date of Survey : 01-Jul-2020 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 1855 **Lot** : 5 **BIN** : 1055910

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture		\$474,500
Electrical	\$65,200	\$43,400
Total	\$65,200	\$518,000
Importance Code B	\$65,200	\$456,100
Importance Code C		\$61,900
Total	\$65,200	\$518,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture		\$22,100		\$300
Interior Architecture	\$80,200		\$100	\$700
Electrical	\$200	\$30,800		
Mechanical	\$31,000	\$53,500	\$8,300	\$5,800
Site Enclosure	\$4,900			
Total	\$116,300	\$106,300	\$8,400	\$6,700
Importance Code A		\$22,100		\$300
Importance Code B	\$108,700	\$84,300	\$8,400	\$6,400
Importance Code C	\$7,600			
Total	\$116,300	\$106,300	\$8,400	\$6,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
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	\$15,600		
Masonry: Granite	5%			LIFE	**	5	\$800		
Masonry: Limestone	10%			LIFE	**	5	\$1,700		
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 : N/A, Area Affected : 100%									
Location : Throughout									
Parapets									
Cast Stone/Terra Cotta	20%			LIFE	**	5	\$2,400		
Masonry: Brick	80%			LIFE	**	5	\$1,200		
Roof									
Modified Bitumen	100%			2036	**	10	\$16,500		
Interior									
Floors									
Cast in Place Concrete	50%	Now	\$14,600	LIFE	**	5	\$19,300		
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	\$1,000	2034	\$48,500	5	\$400		
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%									
Location : Locker Room									
Mosaic Tile	5%	Now	\$48,400	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	\$8,300	2031	\$412,700	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	\$61,900	5	\$1,200		
Gypsum Board	10%			LIFE	**	5	\$700		
Plaster	20%	Now	\$2,700	LIFE	**	5	\$700		
Water Penetration, Extent : Moderate, Area Affected : 15%									
Location : Rear Stair And Bunk Room									
SGFT/Glazed Masonry	60%			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. 76/ LADDER CO. 22 CO-LOCATE (PRECINCT 24)
Asset # : 13064

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Interior

Ceilings

AcousTileSusp.Lay-In	10%			2044	**	5	\$1,800	
Exposed Struc: Concrete	40%			LIFE	**	5	\$1,100	
Plaster	50%	Now	\$5,200	LIFE	**	5	\$5,500	

Cracking/Crumbling, Extent : Severe, Area Affected : 5%

Location : Rear Stair Ceiling

Site Enclosure

Fence/Gates

Chain Link	100%	4+	\$4,900	2041	**			
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Corrosion/Rusting, Extent : Moderate, Area Affected : 60%

Location : Throughout Fence

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2044	**			
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On-Site Walkways

Cast in Place Concrete	100%			2036	**			
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Raceway

Conduit	100%			2031	\$36,000	1		
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Panelboards

Fused Disc Sw	5%			2030	\$2,400	5		
Molded Case Bkrs	95%			2030	\$46,000	5	\$300	

Wiring

Thermoplastic	100%			2031	\$32,500	1		
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Motor Controllers

Locally Mounted	100%			2029	\$17,800	5	\$100	
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Lighting

Interior Lighting

Fluorescent	40%			2031	\$43,400	10	\$4,700	
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T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%

Location : 1st Floor

Fluorescent	60%			2026	\$65,200	10	\$7,000	
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T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%

Location : Second Floor

Egress Lighting

Emergency, Battery	50%			2026	\$10,500	10	\$1,500	
No Component	50%							

Exterior Lighting

HID	20%			2026	\$11,700	10		
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No Component	80%							
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
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	\$22,200	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	\$600	
Terminal Devices								
Convactor/Radiator	50%			2036	* *	1	\$2,100	
Convactor/Radiator	10%	0-2	\$500	2036	* *	1	\$400	
	Other Observation, Extent : Moderate, Area Affected : 50%							
	Location : Various							
	Explanation : Missing Radiator Cover							
Unit Heater - Steam	40%			2031	\$28,400	4	\$500	
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	\$23,700	1		
No Component	40%							
Heat Rejection								
Dry Cooler	100%			2031	\$34,400	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	\$1,400	
No Component	80%							
Exhaust Fans								
Roof	20%			2031	\$4,900	2	\$100	
Wall Unit	30%			2026	\$1,600	2	\$100	
No Component	50%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 76/ LADDER CO. 22 CO-LOCATE (PRECINCT 24)
Asset # : 13064

Mechanical		Current Repair		Future Replacement		Maintenance			
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	\$800	2041	* *	1		
		Corroded, Extent : Moderate, Area Affected : 10%							
		Location : Basement. Corroded Hot Water Piping							
Water Heater With Tanks									
	Electric	100%			2029	\$23,100	4		
		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	\$15,900	1-3	\$74,400	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 79
Address : 2928 BRIGGS AVENUE @ E.199 ST
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.079 / 13065 **Yr Built/Renovated** : 1904 / 2009
Area Sq Ft : 6,804 **Project Type** : FIRE DEPARTMENT
Date of Survey : 01-Jun-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3297 **Lot** : 9 **BIN** : 2016936

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Site Enclosure	\$88,700	
Total	\$88,700	
Importance Code C	\$88,700	
Total	\$88,700	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$8,900			\$2,000
Interior Architecture	\$37,400		\$400	\$500
Electrical	\$13,000	\$3,300	\$800	\$800
Mechanical	\$22,600	\$1,200	\$1,200	\$57,500
Site Pavements	\$13,200			
Total	\$94,900	\$4,400	\$2,400	\$60,700
Importance Code A	\$9,600	\$700	\$700	\$2,700
Importance Code B	\$72,200	\$3,700	\$1,600	\$58,000
Importance Code C	\$13,200		\$100	
Total	\$94,900	\$4,400	\$2,400	\$60,700



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057

ENGINE CO. 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%			2053	**	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%			2038	**	5	\$4,100	
Windows									
	Aluminum	100%	4+	\$1,900	2049	**	5	\$100	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 75%									
Location : Throughout									
Parapets									
	Masonry: Brick	90%	4+	\$2,500	LIFE	**	5	\$1,000	
Miss/Damaged Flashings, Extent : Moderate, Area Affected : 2%									
Location : Parapet Base									
	Pre-Cast Concrete	10%			LIFE	**	5	\$700	
Roof									
	Asphalt Shingle	5%			2042	**	10	\$100	
	Modified Bitumen	92%	4+	\$4,400	2038	**			
Blisters, Extent : Moderate, Area Affected : 10%									
Location : Throughout									
	Skylight, Metal/Glass	3%			2043	**	10	\$900	
Soffits									
	Wood	100%			2046	**	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Rear Addition									
Explanation : Exposed Wood Sheathing Is 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%	2-4	\$19,000	LIFE	**	5	\$10,000	
	Uneven Substrate, Extent : Moderate, Area Affected : 5%							
	Location : Apparatus Floor							
Ceramic Tile	5%	Now	\$12,600	2042	**	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%			2042	**	5	\$500	
	Other Observation, Extent : N/A, Area Affected : 100%							
	Location : Kitchen And Dining Areas							
	Explanation : This Is Actually Large Format Ceramic Tile							
Vinyl Tile	40%	4+	\$4,900	2038	**	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%			2042	**	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+	\$700	2046	**	5	\$200	
	Broken/Missing Elements, Extent : Severe, Area Affected : 15%							
	Location : Bunk Room							
	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	\$88,700	2043	**			
	Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%							
	Location : Throughout							
	Spalling, Extent : Moderate, Area Affected : 50%							
	Location : Throughout							
Site Pavements								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 79
Asset # : 13065

Architecture		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Site Pavements

Public Sidewalk

Cast in Place Concrete 100% 2038 * *

Other Observation, Extent : Severe, Area Affected : 2%

Location : Sidewalk Hatch

Explanation : Water Penetration

On-Site Walkways

Cast in Place Concrete 100% 4+ \$11,100 2046 * *

Cracking/Crumbling, Extent : Moderate, Area Affected : 20%

Location : Throughout Rear Yard

Parking/Driveway

Cast in Place Concrete 100% Now \$2,000 2046 * *

Cracking/Crumbling, Extent : Severe, 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% 2043 * * 5

Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : Main Service Switch Rated At 200 Amperes

Raceway

Conduit 50% 2033 \$18,000 1

Conduit 50% 2043 * * 1

Panelboards

Molded Case Bkrs 20% 2041 * * 5

Molded Case Bkrs 80% 2032 \$38,800 5 \$100

Wiring

Thermoplastic 50% 2033 \$16,300 1

Thermoplastic 50% 2043 * * 1

Motor Controllers

Locally Mounted 100% 2038 * * 5

Ground

Grounding Devices

Generic 100% LIFE * * 5 \$100

Stand-by Power

Transfer Switches

Automatic 100% 2038 * * 1 \$2,100

Generators

Diesel 100% 2036 * * 1 \$2,600

Other Observation, Extent : Light, Area Affected : 100%

Location : Outside

Explanation : Emergency Generator Rated At 81 Kilovolt Amperes

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.*

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*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 79
Asset # : 13065

Electrical		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%			2026	\$2,400	5	\$300	
Fuel Storage									
	Day Tank	100%			2041	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Outside							
		Explanation : 60 Gallons							
Lighting									
	Interior Lighting								
	Fluorescent	35%			2033	\$20,200	10	\$2,200	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Throughout The Building							
	Fluorescent	2%			2033	\$1,200	10	\$100	
		Compact Fluorescent Light, Extent : Light, Area Affected : 100%							
		Location : 2nd Floor							
	Incandescent	10%			2033	\$8,200	2		
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Throughout The Building							
		Explanation : Halogen Light							
	LED	53%			2041	* *			
Egress Lighting									
	Emergency, Service	40%			2033	\$1,600	1		
	Emergency, Battery	10%			2033	\$1,100	10	\$200	
	No Component	50%							
Exterior Lighting									
	LED	20%			2041	* *			
	No Component	80%							
Alarm									
	Security System								
	Generic	100%	0-2	\$12,500	2043	* *	1	\$2,300	
		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%			2043	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2038	* *	1	\$6,700	
	Distribution								
	Steam Piping/Pump	100%			2043	* *			
	Terminal Devices								
	Convactor/Radiator	100%			2038	* *	1	\$2,200	

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. 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
Air Conditioning									
	Energy Source								
	Electricity	100%			2041	* *	1		
	Conversion Equipment								
	Split Unit	15%			2028	\$23,700			
		Unit Inoperable, Extent : Moderate, Area Affected : 15%							
		Location : Roof. Unit Is Undersized And Malfunctioning							
	Window/Wall Unit	40%			2028	\$10,100	1		
	No Component	45%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	15%			LIFE	* *	2-5	\$600	
	No Component	85%							
	Exhaust Fans								
	Interior	10%			2028	\$2,900	2		
	Roof	15%			2028	\$1,900	2		
	No Component	75%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2043	* *	1		
	Water Heater With Tanks								
	Gas Fired	50%			2028	\$16,700	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 74 Gallon Units							
	Gas Fired	50%	0-2	\$16,700	2033	\$16,700	2		
		Malfunctioning, Extent : Moderate, Area Affected : 50%							
		Location : Basement							
	Sanitary Piping								
	Cast Iron	100%	Now	\$4,200	LIFE	* *	1		
		Blockage /Clogged, Extent : Severe, Area Affected : 10%							
		Location : Basement. Backups At 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%			2025	\$200	4	\$200	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	95%							
	Generic	5%			2028	\$700	1-3	\$3,600	
		Other Observation, Extent : Moderate, Area Affected : 1%							
		Location : Kitchen							
		Explanation : Kitchen Fire Suppression System Covers 18 Square Feet							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$56,600	\$65,800
Mechanical		\$203,200
Total	\$56,600	\$269,100
Importance Code A	\$56,600	\$65,800
Importance Code B		\$203,200
Total	\$56,600	\$269,100

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture				\$700
Interior Architecture	\$45,200			\$600
Electrical	\$600	\$1,700	\$900	\$6,200
Mechanical	\$9,500	\$32,300	\$8,300	
Total	\$55,200	\$34,000	\$9,200	\$7,500
Importance Code A				
Importance Code B	\$49,900	\$34,000	\$9,200	\$7,500
Importance Code C	\$5,400			
Total	\$55,200	\$34,000	\$9,200	\$7,500



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. 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	\$1,100	
	Metal/Glass Curt Wall	35%			LIFE	**	5	\$3,200	
	Metal Sect. OHD	35%			2044	**	5	\$5,300	
Windows									
	Aluminum	50%	Now	\$56,600	2056	**	5	\$600	
	Air Infiltration, Extent : Severe, Area Affected : 50%								
	Location : 2nd Floor Office								
	Metal Louvers	50%			2034	\$65,800	10	\$7,600	
Interior									
Floors									
	Cast in Place Concrete	45%	Now	\$27,700	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	\$4,100	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	\$3,200	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	\$4,300	LIFE	**	5	\$3,800	
	Water Penetration, Extent : Severe, Area Affected : 10%								
	Location : Company Office From Abutting Property								
	Plaster	10%			LIFE	**	5	\$600	
	SGFT/Glazed Masonry	50%			LIFE	**			
Ceilings									
	AcousTileSusp.Lay-In	40%	2-4	\$2,100	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 Struc: Concrete	10%			LIFE	**	5	\$100	
	Gypsum Board	50%	Now	\$2,800	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	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific 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 : N/A, 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

\$2,800

Central Plant Steam

50%

2041

* *

4

\$400

Piping/Pmp

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO. 8
Asset # : 13007

Mechanical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Terminal Devices								
	Air Handler	30%			2036	**	1	\$1,800	
	Convactor/Radiator	40%			2036	**	1	\$1,300	
	Unit Heater - Steam	30%			2031	\$16,500	4	\$300	
Air Conditioning									
	Energy Source								
	Electricity	100%			2039	**	1		
	Conversion Equipment								
	Split Unit	50%			2031	\$114,800			
		R-22 Refrigerant, Extent : Light, Area Affected : 50%							
		Location : 4 Units, Various							
	Window/Wall Unit	10%			2026	\$3,700	1		
	No Component	40%							
	Terminal Devices								
	Fan Coil - 2 Pipe	50%			2031	\$88,500	1	\$1,600	
	No Component	50%							
	Heat Rejection								
	Evaporative Condenser	50%			2031	\$15,200	2	\$3,400	
	No Component	50%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	80%			LIFE	**	2-5	\$4,400	
		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	\$1,700	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 With Tanks								
	Electric	100%			2029	\$23,100	4		
	Sanitary Piping								
	Cast Iron	90%			LIFE	**	1		
	Cast Iron	10%	Now	\$600	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	\$15,900	1-3	\$74,400	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$117,000	
Total	\$117,000	
Importance Code A	\$117,000	
Total	\$117,000	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$16,600		\$1,400	
Interior Architecture	\$22,700	\$400		\$800
Electrical	\$700	\$3,300	\$1,000	\$900
Mechanical	\$65,800	\$14,900	\$11,300	\$8,500
Total	\$105,900	\$18,600	\$13,700	\$10,200
Importance Code A	\$17,700	\$1,100	\$2,600	\$1,100
Importance Code B	\$85,300	\$17,500	\$11,100	\$9,200
Importance Code C	\$2,900			
Total	\$105,900	\$18,600	\$13,700	\$10,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 80/ LADDER CO. 23
Asset # : 13066

Architecture		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	75%	Now	\$117,000	LIFE	**	5	\$29,100	
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	\$4,400	
Metal Sect. OHD	10%			2044	**	5	\$12,100	
Windows								
Aluminum	100%			2047	**	5	\$2,800	
Parapets								
Masonry: Brick	25%			LIFE	**	5	\$600	
Masonry: Brick	50%	Now	\$3,100	LIFE	**	5	\$1,200	
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : 3rd Floor Gymnasium Street Facade								
Masonry: Limestone	15%			LIFE	**	5	\$500	
Pre-Cast Concrete	5%			LIFE	**	5	\$800	
Slate	5%			LIFE	**	5	\$100	
Roof								
Modified Bitumen	97%	2-4	\$13,600	2036	**			
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+	\$9,800	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	\$2,200	2040	**	5	\$400	
Worn/Eroded, Extent : Severe, Area Affected : 15%								
Location : Locker Rooms								
Quarry Tile	3%			2036	**	5	\$700	
Vinyl Tile	40%	0-2	\$3,500	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.
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** 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		\$800	
Gypsum Board	40%			LIFE	**	5		\$4,600	
Masonry: Brick	20%			LIFE	**				

Ceilings

AcousTileSusp.Lay-In	35%	Now	\$4,300	2044	**	5		\$2,700	
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Broken/Missing Elements, Extent : Light, Area Affected : 10%

Location : Kitchen

Other Observation, Extent : Severe, Area Affected : 10%

Location : Kitchen

Explanation : Kitche Hung Ceiling Removed Due To Rat And Mice Problems

Exposed Struc: Concrete	20%			LIFE	**	5		\$500	
Exposed Struc: Steel	20%			LIFE	**				
Gypsum Board	25%			LIFE	**	5		\$4,800	

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2044	**				
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On-Site Walkways

Cast in Place Concrete	100%			2044	**				
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Electrical		Current Repair			Future Replacement		Maintenance		
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	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : One 200 Ampere Main Disconnect Switch

Switchgear / Switchboard

Molded Case Bkrs	100%			2057	**	5		\$300	
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Raceway

Conduit	100%			2057	**	1			
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Panelboards

Fused Disc Sw	5%			2053	**	5			
Molded Case Bkrs	95%			2053	**	5		\$300	

Wiring

Thermoplastic	100%			2057	**	1			
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Motor Controllers

Locally Mounted	100%			2048	**	5		\$100	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5		\$200	
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Stand-by Power

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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

\$2,400

5

\$400

Fuel Storage

Day Tank

50%

2053

* *

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 100 Gallons*

Main Tank

50%

2066

* *

5

*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

System Component Type		% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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Heating

Energy Source

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 Boiler Piping Header*

Terminal Devices

Convactor/Radiator

80%

2044

* *

1

\$2,800

Unit Heater - Steam

20%

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.

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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	\$13,700	2041	* *	2	\$100	
		Malfunctioning, Extent : Moderate, Area Affected : 100%							
		Location : Roof. Air Conditioning Unit Serving 3rd Floor Not Working							
	Window/Wall Unit	10%			2029	\$3,900	1		
	No Component	20%							
Distribution									
	Ductwork/Diffusers	95%			LIFE	* *	2	\$13,200	
	Ductwork/Diffusers	5%	Now	\$5,500	LIFE	* *	2	\$700	
		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	\$5,900	
	Exhaust Fans								
	Interior	50%	0-2	\$23,100	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 With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon Units							
	Sanitary Piping								
	Cast Iron	20%	0-2	\$15,700	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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** 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

Mechanical		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	\$700	LIFE	* *	1		
		Blockage /Clogged, Extent : Severe, Area Affected : 15%							
		Location : Operational Area And Rear Side Of Basement.							
	Sump Pump(s)								
	Non-Submersible	100%			2031	\$2,100	4	\$200	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2029	\$15,900	1-3	\$74,400	
		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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 81/ LADDER CO. 46
Address : 3025 BAILEY AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.081 / 13067 **Yr Built/Renovated** : 1912 / 2007
Area Sq Ft : 9,500 **Project Type** : FIRE DEPARTMENT
Date of Survey : 27-Apr-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3266 **Lot** : 1 **BIN** : 2000000

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Electrical		\$80,600
Site Pavements		\$116,500
Total		\$197,100
Importance Code B		\$80,600
Importance Code C		\$116,500
Total		\$197,100

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$65,800	\$3,800		
Interior Architecture	\$37,800	\$1,500	\$800	
Electrical	\$1,100	\$700	\$3,200	\$800
Mechanical	\$66,900	\$17,600	\$17,300	\$110,800
Site Enclosure	\$27,600			
Site Pavements	\$31,300			
Total	\$230,400	\$23,600	\$21,300	\$111,600
Importance Code A	\$66,200	\$4,300	\$500	\$500
Importance Code B	\$101,300	\$19,300	\$20,400	\$111,100
Importance Code C	\$62,900		\$400	
Total	\$230,400	\$23,600	\$21,300	\$111,600



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. 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+	\$400	2053	**			
Broken/Missing Elements, Extent : Light, Area Affected : 5%								
Location : Addition At Rear Of Building								
Masonry: Brick	75%	4+	\$41,600	LIFE	**	5	\$25,900	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%								
Location : North Facade At 1st Floor								
Masonry: Granite	3%			LIFE	**	5	\$800	
Masonry: Limestone	10%			LIFE	**	5	\$2,600	
Metal Sect. OHD	7%			2046	**	5	\$7,500	
Stucco Cement	2%	Now	\$11,400	2046	**	5	\$900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 30%								
Location : Addition At Rear Of Building								
Windows								
Aluminum	99%			2049	**	5	\$900	
Metal Louvers	1%			2036	**	10	\$100	
Parapets								
Masonry: Brick	90%	4+	\$6,800	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%	Now	\$3,200	2048	**			
Broken/Missing Elements, Extent : Severe, Area Affected : 10%								
Location : Lower Roof								
Worn/Eroded, Extent : Severe, Area Affected : 90%								
Location : Lower Roof								
Modified Bitumen	90%	4+	\$2,300	2038	**			
Water Penetration, Extent : Moderate, Area Affected : 2%								
Location : Roof Hatch Base Flashing In Gymnasium Area								
Skylight, Metal/Glass	5%			2053	**	10	\$2,000	
Soffits								
Wood	100%			2038	**	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Rear Yard								
Explanation : Exposed Underside Of Roof Over Barbecue Grill								
Interior								
Floors								
Cast in Place Concrete	60%			LIFE	**	5	\$18,700	
Ceramic Tile	5%			2042	**	5	\$700	
Quarry Tile	5%	4+	\$2,600	2046	**	5	\$500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Kitchen And Dining Area								
Vinyl Tile	25%			2038	**	3	\$1,300	
Wood	5%			2061	**	5	\$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. 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%			2042	**	5	\$900		
Concrete Masonry Unit	3%			LIFE	**	5	\$200		
Gypsum Board	10%			LIFE	**	5	\$1,000		
Masonry: Brick	10%	4+	\$6,400	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+	\$20,600	LIFE	**				
Spalling, Extent : Moderate, Area Affected : 2%									
Location : Basement At Front Wall									
Plaster	40%	Now	\$8,200	LIFE	**	5	\$2,100		
Cracking/Crumbling, Extent : Severe, Area Affected : 2%									
Location : Roof Hatch Area									
Ceilings									
AcousTileSusp.Lay-In	5%			2046	**	5	\$700		
Exposed Struc: Steel	25%			LIFE	**				
Plaster	70%			LIFE	**	5	\$6,200		
Site Enclosure									
Fence/Gates									
Chain Link	100%	Now	\$6,000	2043	**				
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%									
Location : North Facade On Albany Crescent									
Free Standing Walls									
Masonry: Brick	100%	Now	\$21,600	2043	**				
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 30%									
Location : Throughout									
Retaining Walls									
Masonry: Brick	100%			2043	**				
Site Pavements									
Public Sidewalk									
Cast in Place Concrete	100%	Now	\$31,300	2046	**				
Cracking/Crumbling, Extent : Severe, Area Affected : 20%									
Location : Entrance To Parking Area And Northeast Corner Of Property									
On-Site Walkways									
Cast in Place Concrete	100%			2038	**				
Parking/Driveway									
Asphalt	70%			2029	\$116,500				
Cast in Place Concrete	30%			2046	**				

Electrical		Current Repair			Future Replacement		Maintenance		
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%			2053	**	5		
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Basement									
Explanation : One Main Service Switch Rated At 400 Amperes									
Switchgear / Switchboard									
	Molded Case Bkrs	100%			2053	**	5	\$300	
Raceway									
	Conduit	100%			2053	**	1		
Panelboards									
	Molded Case Bkrs	100%			2049	**	5	\$300	
Wiring									
	Thermoplastic	50%			2053	**	1		
	Thermoplastic	50%			2043	**	1		
Motor Controllers									
	Locally Mounted	75%			2046	**	5		
	Locally Mounted	25%			2031	\$4,400	5		
Ground									
Grounding Devices									
	Generic	100%			LIFE	**	5	\$100	
Stand-by Power									
Transfer Switches									
	Automatic	100%			2046	**	1	\$2,900	
Generators									
	Diesel	100%			2042	**	1	\$3,700	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Outside Generator Enclosure									
Explanation : Rated At 100 Kilovolt Amperes									
Batteries									
	Lead/Acid	100%			2027	\$2,400	5	\$400	
Fuel Storage									
	Day Tank	100%			2049	**	5		
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Outside									
Explanation : 125 Gallons Capacity									
Lighting									
Interior Lighting									
	Fluorescent	100%			2033	\$80,600	10	\$8,700	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%									
Location : Throughout The Building									
Egress Lighting									
	Emergency, Service	40%			2033	\$2,300	1		
	Emergency, Battery	10%			2033	\$1,600	10	\$200	
	Exit, LED	40%			2061	**	1		
	Exit, Service	10%	0-2	\$400	2043	**	1		
Not Functioning, Extent : Moderate, Area Affected : 100%									
Location : First Floor									

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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

Exterior Lighting

LED	20%			2043		* *			
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%			2043		* *	1		
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Conversion Equipment

Hot Water Boiler	100%			2046		* *	1	\$4,700	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : 2 Boilers</i>									

Distribution

Hot Wtr Piping/Pump	100%	0-2		\$10,100	2041	* *	4	\$500	
<i>Controller Not Working, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Defective Control For The Heating System.</i>									

Terminal Devices

Convactor/Radiator	80%			2038		* *	1	\$2,500	
Unit Heater - Hot Water	20%			2038		* *			

Air Conditioning

Energy Source

Electricity	100%			2049		* *	1		
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Conversion Equipment

Split Unit	5%	0-2		\$1,100	2038	* *			
<i>Malfunctioning, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Kitchen Area</i>									

Window/Wall Unit	75%	0-2		\$5,300	2028	\$26,400	1		
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Malfunctioning, Extent : Moderate, Area Affected : 50%
Location : Various Locations. 50 Percent Of The Units Are Either Very Old Or Not Working

No Component	20%								
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Ventilation

Distribution

Ductwork/Diffusers	10%			LIFE		* *	2-5	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : Includes Make Up Air For Boiler</i>									

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%	0-2	\$10,300	2033	\$20,600	2	\$100	
		Not in Service, Extent : Moderate, Area Affected : 50%							
		Location : Exhaust Fan At Apparatus Room Is Not Working							
	Roof	20%	Now	\$1,100	2033	\$3,600	2		
		Broken, Extent : Moderate, Area Affected : 30%							
		Location : Roof Kitchen Exhaust Fan							
	No Component	30%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2053	* *	1		
	Water Heater With Tanks								
	Gas Fired	50%			2031	\$8,300	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : 75 Gallons Unit							
	Gas Fired	50%			2031	\$8,300	2		
	Sanitary Piping								
	Cast Iron	100%	Now	\$2,300	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%			2026	\$300	4	\$300	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2028	\$47,800	1-3	\$242,700	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : 1st Floor Kitchen.							
		Explanation : 1 Set Fire Suppression System Covers 60 Square Feet							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$304,000	
Interior Architecture		\$151,400
Electrical		\$72,300
Mechanical		\$71,700
Site Pavements		\$54,900
Total	\$304,000	\$350,300
Importance Code A	\$304,000	
Importance Code B		\$295,400
Importance Code C		\$54,900
Total	\$304,000	\$350,300

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$110,500		\$12,500	
Interior Architecture	\$56,900			\$700
Electrical	\$53,500		\$100	
Mechanical	\$60,400	\$1,300	\$2,500	\$1,300
Site Pavements	\$1,100			
Total	\$282,300	\$1,300	\$15,100	\$2,000
Importance Code A	\$111,400	\$900	\$13,400	\$900
Importance Code B	\$149,200	\$400	\$1,700	\$1,100
Importance Code C	\$21,700			
Total	\$282,300	\$1,300	\$15,100	\$2,000



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FIRE DEPARTMENT - 057
ENGINE CO. 82/ LADDER CO. 31
Asset # : 13068

Architecture		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior									
	Exterior Walls								
	Cast Stone/Terra Cotta	5%			LIFE	**	5	\$13,100	
	Masonry: Brick	80%	Now	\$107,600	LIFE	**	5	\$26,800	
		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	\$140,700	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	\$32,000	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	\$4,300	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	\$25,700	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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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	\$300	2032	\$3,200			
		Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 5%							
		Location : Top Of Shed Roof							
	Clay Tile	20%	Now	\$15,200	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	\$2,800	2025	\$55,700	5	\$7,300	
		Seams Open/Split, Extent : Moderate, Area Affected : 30%							
		Location : Main Roof							
	Skylight, Metal/Glass	3%	2-4	\$30,200	2039	* *			
		Corrosion/Rusting, Extent : Moderate, Area Affected : 100%							
		Location : Hose Tower							
Interior									
Floors									
	Cast in Place Concrete	45%	Now	\$10,500	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	\$11,600	2038	* *	5	\$1,100	
		Broken/Missing Elements, Extent : Moderate, Area Affected : 15%							
		Location : Kitchen							
	Vinyl Tile	40%			2034	\$151,400	3	\$2,800	
Interior Walls									
	Ceramic Tile	5%	Now	\$800	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	\$14,200	LIFE	* *			
		Other Observation, Extent : Severe, Area Affected : 10%							
		Location : Basement							
		Explanation : Water Penetration							
	Plaster	30%	Now	\$5,600	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	

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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
Interior									
	Ceilings								
	AcousTileSusp.Lay-In	15%	Now	\$6,800	2034	\$34,200	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	\$4,100	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	\$2,500	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	\$47,700			
	On-Site Walkways								
	Cast in Place Concrete	100%			2034	\$31,500			
	Parking/Driveway								
	Cast in Place Concrete	100%	Now	\$1,100	2034	\$54,900			
		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	\$23,900			

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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
Under 600 Volts									
	Service Equipment								
	Fused Disc Sw	100%			2029	\$14,700	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	\$14,500	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	\$9,800	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	\$17,800	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	\$72,300	10	\$7,800	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Throughout							
	Incandescent	5%			2025	\$5,400	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Television Room 1st Floor							
		Explanation : Downlights							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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

Electrical		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	\$6,200	10	\$300	
	Exit, Battery	50%	Now	\$1,900	2039	* *			
	Other Observation, Extent : Severe, Area Affected : 50%								
	Location : Throughout								
	Explanation : Broken								
	Exterior Lighting								
	HID	25%			2029	\$10,200	10		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Facade								
	Explanation : Wall Mounted, Controlled Via Time Clock								
	Incandescent	25%			2025	\$11,700	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	\$1,400	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								
Convactor/Radiator	100%			2034	\$71,700	1	\$2,900	
Air Conditioning								
Energy Source								
Electricity	100%			2045	* *	1		
Conversion Equipment								
Window/Wall Unit	80%			2025	\$26,600	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	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 82/ LADDER CO. 31
Asset # : 13068

Mechanical		Current Repair		Future Replacement		Maintenance			
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	\$19,400	2	\$100	
	Roof	50%			2025	\$8,500	2	\$100	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2039	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2025	\$16,700	2		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : Two 74 Gallon Units								
	Sanitary Piping								
	Cast Iron	100%	Now	\$5,500	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%			2025	\$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	\$300	1-3	\$1,500	
	Other Observation, Extent : Light, Area Affected : 100%								
	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 83
Address : 618 EAST 138th STREET
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.083 / 13069 **Yr Built/Renovated** : 1905 / 2000
Area Sq Ft : 6,578 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-Apr-2022 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2550 **Lot** : 28 **BIN** : 2003609

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$469,800	\$125,600
Interior Architecture	\$374,900	
Electrical		\$53,200
Mechanical		\$90,600
Total	\$844,700	\$269,300
Importance Code A	\$469,800	\$125,600
Importance Code B	\$216,900	\$143,800
Importance Code C	\$158,000	
Total	\$844,700	\$269,300

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$17,000			\$6,100
Interior Architecture	\$57,800	\$1,100		\$400
Electrical	\$11,100		\$100	\$5,700
Mechanical	\$58,500	\$6,400	\$6,400	\$41,000
Total	\$144,500	\$7,500	\$6,500	\$53,200
Importance Code A	\$17,700	\$700	\$700	\$6,800
Importance Code B	\$108,500	\$6,800	\$5,800	\$46,500
Importance Code C	\$18,300			
Total	\$144,500	\$7,500	\$6,500	\$53,200



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. 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	\$299,900	LIFE	**	5	\$17,000	
		Painted Surfaces, Extent : Moderate, Area Affected : 25%							
		Location : West Facade							
		Water Penetration, Extent : Moderate, Area Affected : 20%							
		Location : North Facade, Gymnasium In Basement							
	Masonry: Granite	2%			LIFE	**	5	\$300	
	Masonry: Limestone	10%			LIFE	**	5	\$1,700	
	Wood Overhead Doors	10%			2038	**	5	\$11,600	
Windows									
	Aluminum	100%	Now	\$17,000	2041	**	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%			2038	**	5	\$600	
Roof									
	Modified Bitumen	95%			2033	\$125,600	10	\$10,700	
		Debris Present, Extent : Moderate, Area Affected : 20%							
		Location : Over Kitchen							
		Water Penetration, Extent : Moderate, Area Affected : 2%							
		Location : Lower Roof Area							
	Skylight, Metal/Glass	5%	Now	\$169,900	2063	**			
		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

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057

ENGINE CO. 83

Asset # : 13069

Architecture		Current Repair		Future Replacement		Maintenance		
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	\$12,300	
Ceramic Tile	5%	Now	\$6,800	2042	**	5	\$300	
Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
Location : 2nd Floor Bathrooms								
Quarry Tile	5%			2038	**	5	\$800	
Vinyl Tile	40%			2038	**	3	\$1,700	
Interior Walls								
Ceramic Tile	20%	Now	\$18,300	2036	**	5	\$1,500	
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	\$158,000	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%			2046	**	5	\$1,100	
Embossed Metal	30%	Now	\$32,700	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 Struc: Concrete	20%	Now	\$216,900	LIFE	**	5	\$400	
Corrosion/Rusting, Extent : Severe, Area Affected : 25%								
Location : Steel Beams In Basement								
Exposed Reinforcement, Extent : Severe, Area Affected : 10%								
Location : Basement								
Other Observation, Extent : Severe, Area Affected : 30%								
Location : Basement								
Explanation : Support Columns In Use To Support Apparatus Floor								
Gypsum Board	10%			LIFE	**	5	\$1,400	
Plaster	30%			LIFE	**	5	\$2,100	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2043	**			
Free Standing Walls								
Concrete Masonry Unit	100%			2053	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2038	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057**ENGINE CO. 83****Asset # : 13069**

Architecture		Current Repair			Future Replacement		Maintenance		
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%		2046	**
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Parking/Driveway

Asphalt	60%		2036	**
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Cast in Place Concrete	40%		2038	**
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Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%		2033	\$16,200	5
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One Main Service Switch Rated At 200 Amperes*

Raceway

Conduit	100%		2033	\$39,500	1
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Panelboards

Molded Case Bkrs	100%		2032	\$53,200	5	\$200
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Wiring

Thermoplastic	100%		2033	\$35,700	1
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Ground

Grounding Devices

Generic	100%	4+	\$11,100	LIFE	**	5	\$100
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*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement Near Water Main Service**Explanation : Corroded*

Lighting

Interior Lighting

Fluorescent	94%		2038	**	10	\$5,700
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout The Building**Explanation : T-8 Lamps*

Incandescent	4%		2033	\$3,500	2
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LED	2%		2041	**
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Exterior Lighting

HID	16%		2033	\$5,300	10
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LED	4%		2041	**
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No Component	80%			
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Mechanical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Heating

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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Maintenance \$ are aggregated over a ten-year period. Site specific 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
Heating									
	Energy Source								
	Natural Gas	100%			2053	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2046	* *	1	\$6,500	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : One Natural Gasoline Fired Steam Boiler							
	Distribution								
	Steam Piping/Pump	100%			2043	* *			
	Terminal Devices								
	Convactor/Radiator	100%			2038	* *	1	\$2,100	
Air Conditioning									
	Energy Source								
	Electricity	100%			2041	* *	1		
	Conversion Equipment								
	Split Unit	25%	Now	\$41,900	2043	* *			
		Abandoned in Place, Extent : Severe, Area Affected : 50%							
		Location : Roof And 2nd Floor							
	Split Unit	10%			2038	* *			
		Other Observation, Extent : Light, Area Affected : 25%							
		Location : Kitchen							
		Explanation : Kitchen							
	Window/Wall Unit	40%			2028	\$10,700	1		
	No Component	25%							
Ventilation									
	Exhaust Fans								
	Roof	100%	Now	\$1,400	2038	* *	2	\$200	
		Malfunctioning, Extent : Moderate, Area Affected : 100%							
		Location : 1st Floor Toilet Rooms							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2033	\$90,600	1		
		Other Observation, Extent : Moderate, Area Affected : 20%							
		Location : 2nd Floor							
		Explanation : Low Water Pressure At 2nd Floor Bathroom							
	Water Heater With Tanks								
	Gas Fired	100%			2031	\$36,600	2		
		Other Observation, Extent : N/A, 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. 83
Asset # : 13069

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Plumbing	Storm Drain Piping Cast Iron	100%	0-2	\$2,500	LIFE	* *	1	
<i>Blockage /Clogged, Extent : Moderate, Area Affected : 50%</i> <i>Location : Apparatus Room</i> <i>Other Observation, Extent : Moderate, Area Affected : 100%</i> <i>Location : Basement</i> <i>Explanation : Occasional Flooding At Basement During Heavy Rain</i>								
	Fixtures							
	Generic	100%						
Fire Suppression	Chemical System							
	Generic	100%			2028	\$17,500	1-3	\$80,900

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 22-Mar-2023 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2120 **Lot** : 46 **BIN** : 1062872

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture		\$426,900
Electrical		\$34,600
Mechanical		\$70,300
Total		\$531,700
Importance Code A		\$426,900
Importance Code B		\$104,800
Total		\$531,700

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$90,200		\$3,400	
Interior Architecture	\$51,600		\$1,400	\$1,500
Electrical	\$20,500			\$100
Mechanical	\$82,900	\$16,500	\$10,200	\$8,700
Site Pavements	\$2,000			
Total	\$247,200	\$16,500	\$15,100	\$10,300
Importance Code A	\$101,200	\$1,200	\$4,500	\$1,200
Importance Code B	\$136,600	\$15,300	\$10,500	\$9,100
Importance Code C	\$9,400			
Total	\$247,200	\$16,500	\$15,100	\$10,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 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	\$16,100	
	Masonry: Limestone	25%	Now	\$42,600	LIFE	**	5	\$2,500	
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									
	Metal Panel	5%			2054	**	5-10	\$4,600	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Stair Bulkhead									
Explanation : Metal Panel									
	Wood Overhead Doors	10%			2032	\$41,400	5	\$6,700	
Windows									
	Aluminum	100%	Now	\$17,100	2059	**	5	\$200	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 60%									
Location : Throughout									
Unit Inoperable, Extent : Severe, Area Affected : 50%									
Location : 2nd Floor									
Parapets									
	Masonry: Brick	60%			LIFE	**	5-10	\$7,100	
	Masonry: Limestone	25%			LIFE	**	5-10	\$5,300	
	Metal Panel	15%			2054	**	5	\$1,000	
Roof									
	Modified Bitumen	90%	2-4	\$3,000	2039	**			
Water Penetration, Extent : Moderate, Area Affected : 2%									
Location : Lower Roof Over Kitchen And Lunch Room									
	Skylight, Metal/Glass	10%	Now	\$8,500	2034	\$426,900			
Water Penetration, Extent : Moderate, Area Affected : 20%									
Location : Skylight Over Stairwell									
Interior									
Floors									
	Cast in Place Concrete	50%	Now	\$17,900	LIFE	**	5	\$21,500	
Worn/Eroded, Extent : Moderate, Area Affected : 40%									
Location : Epoxy Paint Finish At Apparatus Floor									
	Ceramic Tile	5%			2043	**	5	\$1,000	
	Vinyl Tile	40%	Now	\$4,700	2039	**	3	\$2,900	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%									
Location : 3rd Floor									
	Wood	5%			2062	**	5	\$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. 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**Interior Walls****Ceramic Tile**

5% Now \$1,100 2043 * * 5 \$500

Cracking/Crumbling, Extent : Moderate, Area Affected : 2%
Location : Kitchen Area

Masonry: Brick

20% LIFE * * 10 \$1,100

Plaster

40% Now \$3,900 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 * * 10 \$3,300

Ceilings**AcousTileSusp.Lay-In**

5% 2047 * * 5 \$1,000

Embossed Metal

30% 4+ \$9,500 LIFE * * 5 \$2,700

Broken/Missing Elements, Extent : Moderate, Area Affected : 10%
Location : Over Apparatus Areas, Hose Shaft Above 3rd Floor

Exposed Struc: Concrete

20% LIFE * * 5-10 \$4,900

Plaster

45% Now \$5,800 LIFE * * 5 \$5,500

Cracking/Crumbling, Extent : Moderate, Area Affected : 2%
Location : Skylight In Stairwell

Paint Peeling, Extent : Moderate, Area Affected : 10%
Location : Throughout Third Floor

Water Penetration, Extent : Moderate, Area Affected : 5%
Location : 3rd Floor Gymnasium, Sitting Room

Site Pavements**Public Sidewalk****Cast in Place Concrete**

100% Now \$2,000 2039 * *

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% 2034 \$16,200 5 \$100

Other Observation, Extent : Light, Area Affected : 100%
Location : Basement
Explanation : One 200 Amperes

Raceway**Conduit**

10% 2-4 \$3,900 2064 * * 1

Corroded, Extent : Moderate, Area Affected : 50%
Location : Basement

Other Observation, Extent : Moderate, Area Affected : 50%
Location : Basement

Explanation : The Corrosion Conduit Located Next To Electric Meter And Main Service Panel In The Basement

Conduit

90% 2034 \$35,500 1

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057**ENGINE CO. 84****Asset # : 13070**

Electrical		Current Repair		Future Replacement		Maintenance			
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%			2033	\$2,700	5		
	Molded Case Bkrs	20%			2050	* *	5	\$100	
	Molded Case Bkrs	10%	0-2	\$5,300	2059	* *	5		
Enclosure Corroded, Extent : Moderate, Area Affected : 100%									
Location : Basement									
Other Observation, Extent : Moderate, Area Affected : 100%									
Location : Basement									
Explanation : Molded Case Breaker Located To The Basement Next To Main Service									
	Molded Case Bkrs	65%			2033	\$34,600	5	\$200	
Wiring									
	Thermoplastic	80%			2034	\$28,500	1		
	Thermoplastic	20%			2054	* *	1		
Motor Controllers									
	Locally Mounted	100%			2032	\$19,500	5	\$100	
Ground									
Grounding Devices									
	Generic	100%	2-4	\$11,100	LIFE	* *	5	\$200	
Corroded, Extent : Moderate, Area Affected : 100%									
Location : Water Main Basement									
Lighting									
	Interior Lighting								
	LED	100%			2039	* *			
	Exterior Lighting								
	HID	30%			2029	\$17,700	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

Mechanical		Current Repair			Future 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									
	Steam Boiler	100%	0-2	\$11,000	2047	* *	1	\$10,500	
Malfunctioning, Extent : Moderate, Area Affected : 10%									
Location : Boiler Overfilling And Must Be Manually Drained. Boiler Constantly Break Down									
Distribution									
	Steam Piping/Pump	100%			2044	* *			
Terminal Devices									
	Convactor/Radiator	100%			2039	* *	1	\$3,800	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

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
Heating									
	Controls								
	Electrical	100%	0-2	\$35,100	2029	\$70,300			
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Throughout							
		Explanation : There Is Only One Zone For The Building. This Is Inadequate For The Building							
Air Conditioning									
	Energy Source								
	Electricity	100%			2050	* *	1		
	Conversion Equipment								
	Exterior Pkg Unit - Cooling	20%			2034	\$27,700	2	\$100	
	Window/Wall Unit	80%	0-2	\$3,800	2029	\$38,300	1		
		Broken, Extent : Moderate, Area Affected : 10%							
		Location : Various Locations							
	Distribution								
	Ductwork/Diffusers	20%			LIFE	* *	2	\$3,800	
	No Component	80%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$10,400	
	Exhaust Fans								
	Interior	80%	0-2	\$9,000	2029	\$44,800	2	\$200	
		Malfunctioning, Extent : Moderate, Area Affected : 10%							
		Location : Apparatus Room Exhaust Fan Is Not Working							
	Roof	20%			2029	\$4,900	2	\$100	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2054	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%	0-2	\$3,700	2029	\$36,600	2		
		Broken, Extent : Moderate, Area Affected : 10%							
		Location : Basement. 1 Unt Is Not Working							
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : Two 75 Gallon Units							
	Sanitary Piping								
	Cast Iron	50%	0-2	\$8,000	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 50%							
		Location : Apparatus Room							
		Leak Evident, Extent : Moderate, Area Affected : 10%							
		Location : Leaking 2nd Floor Bathroom And Laundry Room							
		Other Observation, Extent : Moderate, Area Affected : 10%							
		Location : 1st Floor							
		Explanation : Occasional Sewage Backup At Aparatus Room After Heavy Rain							
	Cast Iron	50%			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. 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									
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	50%			2025	\$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%			2039	* *	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%			2032	\$21,400	1-3	\$91,200	
	Generic	2%			2029	\$400	1-3	\$2,000	
		Other Observation, Extent : Moderate, Area Affected : 25%							
		Location : 1st Floor							
		Explanation : 1 Set Fire Suppression System Covers 25 Square Feet (5x5).							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 09-May-2023 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3086 **Lot** : 38 **BIN** : 2086781

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$119,700	\$163,300
Interior Architecture	\$138,000	\$76,300
Electrical		\$159,700
Mechanical		\$279,600
Total	\$257,700	\$679,000
Importance Code A	\$119,700	\$243,800
Importance Code B	\$138,000	\$435,200
Total	\$257,700	\$679,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$42,200			\$1,800
Interior Architecture	\$65,800		\$8,300	\$400
Electrical	\$200		\$100	\$100
Mechanical	\$60,200	\$15,200	\$62,300	\$39,100
Site Pavements	\$16,100			
Total	\$184,500	\$15,200	\$70,700	\$41,300
Importance Code A	\$43,300	\$1,100	\$1,100	\$2,800
Importance Code B	\$104,400	\$14,100	\$68,000	\$38,400
Importance Code C	\$36,800		\$1,600	
Total	\$184,500	\$15,200	\$70,700	\$41,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 88
Asset # : 13071

Architecture		Current Repair			Future Replacement		Maintenance		
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%	Now	\$119,700	LIFE	**	5	\$29,800		
	Broken/Missing Elements, Extent : Light, Area Affected : 5%								
	Location : Front Elevation								
	Vegetation Growth, Extent : Light, Area Affected : 20%								
	Location : South Elevation								
Masonry: Granite	3%			LIFE	**	5	\$1,700		
Masonry: Limestone	10%			LIFE	**	5	\$5,700		
	Staining/Discoloring, Extent : Light, Area Affected : 5%								
	Location : Front Facade, 3rd Floor.								
Metal Panel	2%			2044	**	5-10	\$5,200		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Bulkhead								
	Explanation : Location Noted								
Metal Sect. OHD	7%			2039	**	5	\$8,300		
Windows									
Aluminum	100%			2033	\$163,300	5	\$3,500		
Parapets									
Masonry: Brick	80%	Now	\$29,600	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	**	5-10	\$7,300		
	Staining/Discoloring, Extent : Light, Area Affected : 20%								
	Location : Throughout								
	Worn/Eroded, Extent : Moderate, Area Affected : 100%								
	Location : Main Roof								
Roof									
Asphalt Shingle	5%			2043	**	10	\$100		
Copper/Terne	2%			2049	**	10	\$700		
Modified Bitumen	70%			2039	**	10	\$9,800		
Roll Roofing	20%			2030	\$17,800	5	\$4,700		
Skylight, Metal/Glass	3%			2044	**	10	\$1,400		
Interior									
Floors									
Cast in Place Concrete	40%	2-4	\$31,300	LIFE	**	5	\$16,500		
	Horizontal Cracks, Extent : Moderate, Area Affected : 20%								
	Location : Apparatus Floor								
Ceramic Tile	15%			2037	**	5	\$2,800		
Vinyl Tile	15%			2034	\$76,300	3	\$1,400		
Wood	30%			2062	**	5	\$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**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**Interior Walls**

Ceramic Tile	10%			2037	**	5		\$3,200	
Gypsum Board	15%			LIFE	**	5-10		\$8,100	
Masonry: Brick	20%			LIFE	**	10		\$1,900	
Marble Panels	20%			LIFE	**	10		\$2,500	
Plaster	25%	Now		\$9,400	LIFE	**	5	\$2,400	

*Cracking/Crumbling, Extent : Severe, Area Affected : 100%**Location : Hose Tower*

SGFT/Glazed Masonry	10%			LIFE	**	10		\$1,600	
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Ceilings

AcousTileSusp.Lay-In	20%			2039	**	5		\$3,800	
Embossed Metal	30%	0-2		\$8,300	LIFE	**	5	\$2,500	

*Bent/Warped Elements, Extent : Moderate, Area Affected : 10%**Location : Apparatus And Bulkhead**Broken/Missing Elements, Extent : Light, Area Affected : 15%**Location : Apparatus Floor And Hose Tower*

Exposed Struc: Concrete	25%	Now		\$138,000	LIFE	**	5	\$700	
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*Corrosion/Rusting, Extent : Severe, Area Affected : 15%**Location : Concrete Missing, Exposing Beams In Basement Ceiling, Shoring Erected Throughout.**Paint Peeling, Extent : Severe, Area Affected : 60%**Location : Basement.**Spalling, Extent : Severe, Area Affected : 15%**Location : Basement Ceiling Under Jack Hoists**Other Observation, Extent : Severe, Area Affected : 100%**Location : Basement.**Explanation : Structurally Insufficient*

Plaster	25%			LIFE	**	5-10		\$8,100	
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Site Pavements**Public Sidewalk**

Cast in Place Concrete	100%			2047	**				
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Parking/Driveway

Cast in Place Concrete	100%	0-2		\$16,100	2054	**			
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*Cracking/Crumbling, Extent : Moderate, Area Affected : 100%**Location : From 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%			2034		\$14,700	5	\$100	
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : One Main Service Switch Rated At 100 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. 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
Under 600 Volts									
	Switchgear / Switchboard								
	Molded Case Bkrs	100%			2034	\$63,500	5	\$300	
	Raceway								
	Conduit	100%			2034	\$36,000	1		
	Panelboards								
	Molded Case Bkrs	50%			2042	* *	5	\$200	
	Molded Case Bkrs	50%			2033	\$24,200	5	\$200	
	Wiring								
	Thermoplastic	100%			2034	\$32,500	1		
	Motor Controllers								
	Locally Mounted	100%			2032	\$17,800	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$400	
Lighting									
	Interior Lighting								
	Fluorescent	90%			2034	\$96,200	10	\$10,400	
	T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
	Location : Throughout The Building								
	Incandescent	5%			2034	\$7,600	2		
	LED	5%			2044	* *			
	Exterior Lighting								
	HID	10%			2034	\$5,700	10		
	LED	10%			2042	* *			
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Building Exterior								
	Explanation : Controlled Via Photocell								
	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%			2044	* *	1		
	Conversion Equipment								
	Furnace	25%			2029	\$9,600	1	\$1,600	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Engine Bays							
		Explanation : Gas Fired Unit Heaters							
	Steam Boiler	75%			2032	\$80,400	1	\$9,400	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement - Boiler Room							
		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. 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
Heating								
Distribution								
Steam Piping/Pump	100%	Now	\$2,000	2034	\$98,500			
	Corroded, Extent : Severe, Area Affected : 2%							
	Location : Boiler Room							
	On Extended Life, Extent : Light, Area Affected : 90%							
	Location : Throughout							
Terminal Devices								
Convactor/Radiator	100%			2032	\$100,600	1	\$4,100	
	On Extended Life, Extent : Light, Area Affected : 90%							
	Location : Throughout							
Air Conditioning								
Energy Source								
Electricity	40%			2042	**	1		
No Component	60%							
Conversion Equipment								
Split Unit	10%			2029	\$29,200			
	R-410a Refrigerant, Extent : Light, Area Affected : 100%							
	Location : 1st Floor Video Room, 2nd Floor Bunk Room							
Window/Wall Unit	15%			2032	\$7,000	1		
Window/Wall Unit	15%			2027	\$7,000	1		
	On Extended Life, Extent : Light, Area Affected : 100%							
	Location : Various Locations							
No Component	60%							
Ventilation								
Distribution								
Ductwork/Diffusers	30%	Now	\$16,200	LIFE	**	2-5	\$2,100	
	Corroded, Extent : Moderate, Area Affected : 10%							
	Location : Lower Roof							
No Component	70%							
Exhaust Fans								
Roof	20%			2034	\$4,800	2	\$100	
Roof	10%	Now	\$2,400	2044	**	2		
	Corroded, Extent : Moderate, Area Affected : 100%							
	Location : Main Roof - Kitchen Exhaust Fan							
	Malfunctioning, Extent : Moderate, Area Affected : 100%							
	Location : Main Roof - Kitchen Exhaust Fan							
	On Extended Life, Extent : Moderate, Area Affected : 100%							
	Location : Main Roof - Kitchen Exhaust Fan							
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2044	**	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. 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
Plumbing									
	Water Heater With Tanks								
	Gas Fired	100%			2029	\$33,400	2		
			Other Observation, Extent : N/A, Area Affected : 100%						
			Location : Basement - Boiler Room						
			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%			2025	\$400	4	\$400	
			On Extended Life, Extent : Light, Area Affected : 100%						
			Location : Basement - 1 Unit						
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Wet	100%			2027	\$39,800	1-3	\$232,200	
			Other Observation, Extent : N/A, Area Affected : 100%						
			Location : Kitchen						
			Explanation : 50 Square Foot Hood						

*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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 89/ LADDER CO. 50
Address : 2924 BRUCKNER BOULEVARD BTWN E. TREMONT AVE - EDISON AVE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.089 / 13072 **Yr Built/Renovated** : 1926 /
Area Sq Ft : 4,930 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Mar-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5419 **Lot** : 125 **BIN** : 2076433

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$41,000			
Interior Architecture	\$60,800	\$100		\$100
Electrical		\$100	\$7,200	
Mechanical	\$22,200	\$1,800	\$20,700	\$2,400
Site Pavements	\$4,300			
Total	\$128,400	\$2,000	\$27,900	\$2,400
Importance Code A	\$43,100	\$500	\$500	\$500
Importance Code B	\$51,500	\$1,300	\$27,400	\$2,000
Importance Code C	\$33,700	\$100		
Total	\$128,400	\$2,000	\$27,900	\$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. 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%			2052	**	10	\$100	
Masonry: Brick	80%	Now	\$23,700	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								
Water Penetration, Extent : Severe, Area Affected : 2%								
Location : West Facade At Exhaust Fan								
Masonry: Granite	5%			LIFE	**	5	\$700	
Masonry: Limestone	5%			LIFE	**	5	\$700	
Metal Sect. OHD	8%			2045	**	5	\$4,600	
Windows								
Aluminum	95%	Now	\$4,100	2048	**	5	\$200	
Air Infiltration, Extent : Severe, Area Affected : 2%								
Location : 2nd Floor Window In Engine Office								
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 15%								
Location : Throughout								
Hardware Missing, Extent : Light, Area Affected : 10%								
Location : Throughout								
Metal Louvers	5%	Now	\$800	2047	**			
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+	\$5,900	LIFE	**	5	\$1,000	
Diagonal Cracks, Extent : Light, Area Affected : 5%								
Location : North And West Side								
Spalling, Extent : Severe, Area Affected : 15%								
Location : Throughout Parapet Wall								
Masonry: Limestone	5%			LIFE	**	5	\$100	
Roof								
Modified Bitumen	98%	Now	\$4,300	2037	**			
Blisters, Extent : Severe, Area Affected : 5%								
Location : Roof								
Patching Evident, Extent : Moderate, Area Affected : 10%								
Location : Roof								
Skylight, Metal/Glass	2%			2052	**	10	\$500	

Interior

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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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
Interior								
Floors								
Cast in Place Concrete	85%	Now	\$12,200	LIFE	* *	5	\$16,100	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
	Location : Apparatus Floor, Epoxy Cover In Ladder 50 2nd Floor Office							
	Water Penetration, Extent : Moderate, Area Affected : 5%							
	Location : Basement At New Columns, Sidewalk Belco Doors							
Ceramic Tile	5%	0-2	\$500	2041	* *	5	\$200	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
	Location : Kitchen							
Vinyl Tile	5%			2037	* *	3	\$200	
Wood	5%			2060	* *	5	\$800	
Interior Walls								
Cast in Place Concrete	20%	0-2	\$14,700	LIFE	* *			
	Water Penetration, Extent : Severe, Area Affected : 10%							
	Location : Throughout							
Ceramic Tile	3%			2041	* *	5	\$300	
Concrete Masonry Unit	2%	Now	\$400	LIFE	* *	5	\$100	
	Cracking/Crumbling, Extent : Severe, Area Affected : 5%							
	Location : Bunker Room							
	Water Penetration, Extent : Moderate, Area Affected : 5%							
	Location : Bunker Room							
Gypsum Board	10%			LIFE	* *	5	\$600	
Marble Panels	5%			LIFE	* *			
Plaster	30%	Now	\$1,400	LIFE	* *	5	\$900	
	Cracking/Crumbling, Extent : Severe, Area Affected : 20%							
	Location : Roof Access							
SGFT/Glazed Masonry	30%	4+	\$13,000	LIFE	* *			
	Cracking/Crumbling, Extent : Moderate, Area Affected : 20%							
	Location : 1st Floor							
Ceilings								
AcousTileSusp.Lay-In	5%	4+	\$100	2045	* *	5	\$200	
	Staining/Discoloring, Extent : Moderate, Area Affected : 5%							
	Location : Kitchen							
Exposed Struc: Concrete	5%	0-2	\$1,300	LIFE	* *	5	\$100	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 20%							
	Location : Basement, Apparatus Area							
Exposed Struc: Steel	25%			LIFE	* *			
Plaster	65%	0-2	\$16,700	LIFE	* *	5	\$3,500	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 20%							
	Location : Throughout Engine Office 2nd Floor							
Site Enclosure								
Fence/Gates								
Chain Link	100%			2042	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2045	* *			

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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

Architecture		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	\$3,200	2045		**			
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*Cracking/Crumbling, Extent : Light, Area Affected : 20%**Location : Throughout*

Parking/Driveway

Cast in Place Concrete	100%	Now	\$1,100	2045		**			
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*Cracking/Crumbling, Extent : Severe, Area Affected : 20%**Location : Throughout Driveway*

Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2032	\$14,700	5			
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 200 Ampere Main Disconnect Switch*

Raceway

Conduit	100%			2032	\$36,000	1			
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Panelboards

Fused Disc Sw	5%			2031	\$2,400	5			
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Molded Case Bkrs	95%			2031	\$46,000	5		\$100	
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Wiring

Thermoplastic	100%			2032	\$32,500	1			
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Motor Controllers

Locally Mounted	100%			2030	\$17,800	5			
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Ground

Grounding Devices

Generic	100%			LIFE		**	5	\$100	
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Lighting

Interior Lighting

Fluorescent	60%			2037		**	10	\$2,700	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement And First Floor**Explanation : T-8 Lamps*

LED	40%			2040		**			
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Exterior Lighting

HID	20%			2027	\$4,500	10			
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No Component	80%								
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Mechanical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Heating

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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FIRE DEPARTMENT - 057
ENGINE CO. 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									
	Energy Source								
	Natural Gas	100%			2052	**	1		
	Conversion Equipment								
	Steam Boiler	100%	Now	\$2,100	2037	**	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	\$6,800	2052	**	4	\$200	
	Corroded, Extent : Moderate, Area Affected : 100%								
	Location : Basement								
	Terminal Devices								
	Convactor/Radiator	100%	Now	\$800	2037	**	1	\$1,400	
	Leak Evident, Extent : Moderate, Area Affected : 2%								
	Location : Storage Room, Locker Room								
Air Conditioning									
	Energy Source								
	Electricity	100%			2054	**	1		
	Conversion Equipment								
	Split Unit	20%			2037	**			
	Window/Wall Unit	55%	Now	\$500	2025	\$10,000	1		
	Malfunctioning, Extent : Moderate, Area Affected : 20%								
	Location : Various. Three Window, Wall Units Are Not Working								
	No Component	25%							
Ventilation									
	Exhaust Fans								
	Interior	100%			2032	\$21,400	2	\$200	
Plumbing									
	H/C Water Piping								
	Galvanized Steel	100%			2037	**	1		
	Water Heater With Tanks								
	Gas Fired	100%	Now	\$300	2027	\$16,700	2		
	Malfunctioning, Extent : Moderate, Area Affected : 2%								
	Location : Basement								
	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	\$300	LIFE	**	1		
	Other Observation, Extent : Moderate, Area Affected : 2%								
	Location : Basement								
	Explanation : Backs Up With A Heavy Rain								

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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									
	Sump Pump(s)								
	Submersible	100%			2025	\$100	4	\$200	
Fixtures									
	Generic	100%							
		Obsolete Fixtures, Extent : Moderate, Area Affected : 100%							
		Location : Throughout							
Fire Suppression									
	Chemical System								
	Dry	10%	Now	\$600	2032	\$1,600	1-3	\$6,700	
		Other Observation, Extent : Severe, Area Affected : 100%							
		Location : Kitchen							
		Explanation : Obsolete							
	No Component	80%							
	Generic	10%			2027	\$1,600	1-3	\$7,400	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Throughout							
		Explanation : Fire Extinguishers							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$146,900	\$123,600
Interior Architecture	\$167,200	\$57,700
Total	\$314,100	\$181,300
Importance Code A	\$146,900	\$123,600
Importance Code B	\$167,200	\$57,700
Total	\$314,100	\$181,300

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$54,800	\$7,800		
Interior Architecture	\$2,700	\$300		\$300
Electrical	\$13,000	\$9,100	\$100	
Mechanical	\$5,300	\$24,900	\$1,900	\$1,000
Site Pavements	\$6,500			
Total	\$82,200	\$42,100	\$2,000	\$1,300
Importance Code A	\$55,100	\$8,100	\$300	\$300
Importance Code B	\$26,700	\$34,000	\$1,700	\$1,000
Importance Code C	\$400			
Total	\$82,200	\$42,100	\$2,000	\$1,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

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	\$5,200	
Masonry: Brick Cavity	50%	Now	\$17,700	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	\$1,600	
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	\$62,700	2056	**	5	\$700	
Citrwt/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	\$84,200	2051	**	5	\$18,200	
Loose/Miss Fasteners, Extent : Severe, Area Affected : 50%								
Location : Main Roof								
Roof								
Modified Bitumen	100%	Now	\$37,100	2031	\$123,600			
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	\$11,700	
Ceramic Tile	5%			2040	**	5	\$500	
Terrazzo	5%			LIFE	**	5	\$400	
Vinyl Tile	20%			2031	\$57,700	3	\$1,100	
Vinyl Tile 9" X 9"	20%			2026	\$167,200	3	\$800	

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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	\$2,500	
Plaster	25%			LIFE	**	5	\$1,300	

Patching Evident, Extent : Light, Area Affected : 1%

Location : 2nd Floor Locker Room Area

SGFT/Glazed Masonry	45%			LIFE	**			
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Ceilings

AcousTileSusp.Lay-In	5%	Now	\$1,700	2044	**	5	\$300	
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Broken/Missing Elements, Extent : Moderate, Area Affected : 40%

Location : Basement

Water Penetration, Extent : Moderate, Area Affected : 10%

Location : Basement

AcousTileSusp.Lay-In	5%			2044	**	5	\$500	
Exposed Struc: Concrete	45%			LIFE	**	5	\$800	
Gypsum Board	20%			LIFE	**	5	\$2,700	
Plaster	25%			LIFE	**	5	\$1,700	

Staining/Discoloring, Extent : Light, Area Affected : 15%

Location : Apparatus Floor Area

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%	Now	\$6,500	2044	**			
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Cracking/Crumbling, Extent : Severe, Area Affected : 20%
Location : Apron Entrance To Apparatus Area

On-Site Walkways

Cast in Place Concrete	100%			2036	**			
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Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2051	**	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : One 400 Ampere Main Disconnect Switch

Switchgear / Switchboard

Molded Case Bkrs	100%			2051	**	5	\$200	
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Raceway

Conduit	80%			2031		\$28,800	1	
Conduit	20%			2051	**		1	

Panelboards

Fused Disc Sw	4%			2030		\$1,900	5	
Fused Disc Sw	1%			2047	**		5	
Molded Case Bkrs	85%			2047	**		5	\$100
Molded Case Bkrs	10%			2030		\$4,800	5	

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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	\$13,000	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	\$8,900	5		
	Locally Mounted	50%			2044	* *	5		
Ground									
Grounding Devices									
	Generic	100%			LIFE	* *	5	\$100	
Lighting									
Interior Lighting									
	Fluorescent	5%			2026	\$2,700	10	\$300	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%									
Location : Waiting Room And Stairway									
	LED	95%			2039	* *			
Egress Lighting									
	Exit, Service	50%			2026	\$1,400	1		
	Exit, Battery	50%			2026	\$4,400	10	\$200	
Exterior Lighting									
	LED	20%			2036	* *			
	No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance			
System	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	\$13,700	4	\$500	
	Terminal Devices								
	Convector/Radiator	80%			2029	\$41,000	1	\$1,700	
	Unit Heater - Hot Water	20%			2039	* *			
		Recent Replace Evident, Extent : N/A, Area Affected : 100%							
		Location : Apparatus Room							
Air Conditioning									
	Energy Source								
	Electricity	100%			2039	* *	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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FIRE DEPARTMENT - 057
ENGINE CO. 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	\$10,300	2	\$100	
		Other Observation, Extent : Light, Area Affected : 100% Location : Roof Explanation : 1 Rooftop Unit							
	Split Unit	10%			2031	\$14,900			
		Other Observation, Extent : Light, Area Affected : 100% Location : Kitchen Explanation : 1 Unit							
	Window/Wall Unit	45%	0-2	\$500	2026	\$10,700	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	\$10,200	2	\$3,600	
	No Component	20%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	35%			LIFE	* *	2-5	\$1,300	
	No Component	65%							
Exhaust Fans									
	Roof	20%	Now	\$1,200	2031	\$2,400	2		
		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	\$300	2026	\$300	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 With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
		Other Observation, Extent : N/A, Area Affected : 100% Location : Boiler Room Explanation : 2 Units 74 Gallon							
	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. 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	\$1,500	2026	\$1,500	4	\$100	
		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	\$1,600	1-3	\$8,300	
	No Component	90%							

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 16-May-2023 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 4049 **Lot** : 49 **BIN** : 2043470

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$179,200	
Interior Architecture	\$152,900	
Electrical		\$222,600
Mechanical		\$61,200
Total	\$332,100	\$283,800
Importance Code A	\$179,200	\$63,500
Importance Code B	\$152,900	\$220,300
Total	\$332,100	\$283,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$31,200	\$1,400	\$9,400	
Interior Architecture	\$102,800		\$600	\$1,100
Electrical	\$29,000			
Mechanical	\$32,900	\$15,200	\$15,700	\$31,400
Site Pavements	\$2,300			
Total	\$198,100	\$16,600	\$25,700	\$32,500
Importance Code A	\$32,300	\$2,500	\$10,500	\$1,100
Importance Code B	\$115,600	\$14,100	\$14,600	\$31,400
Importance Code C	\$50,200		\$600	
Total	\$198,100	\$16,600	\$25,700	\$32,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 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%	4+	\$95,200	LIFE	**	5	\$23,700	
Cracking/Crumbling, Extent : Light, Area Affected : 15%								
Location : Throughout								
Masonry: Granite	7%			LIFE	**	5	\$3,800	
Masonry: Limestone	15%	4+	\$84,000	LIFE	**	5	\$4,100	
Staining/Discoloring, Extent : Moderate, Area Affected : 20%								
Location : Facades								
Stucco Cement	3%			2051	**	5	\$2,700	
Wood Overhead Doors	10%			2047	**	5	\$18,200	
Windows								
Aluminum	100%	Now	\$13,900	2042	**	5	\$1,500	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Parapets								
Cast Stone/Terra Cotta	10%	0-2	\$3,800	LIFE	**	5	\$1,700	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%								
Location : Corners Of Front Facade								
Masonry: Brick	85%	4+	\$11,300	LIFE	**	5	\$1,800	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : North And South Facades At Main Roof								
Metal Panel	5%			2060	**	5	\$400	
Roof								
Asphalt Shingle	10%			2037	**	10	\$300	
Modified Bitumen	85%			2042	**	10	\$12,800	
Skylight, Metal/Glass	5%			2044	**	10	\$2,500	
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$32,800	
Ceramic Tile	10%	4+	\$61,900	2047	**	5	\$900	
Worn/Eroded, Extent : Moderate, Area Affected : 50%								
Location : Kitchen								
Terrazzo	5%			LIFE	**	5	\$1,500	
Other Observation, Extent : N/A, Area Affected : 100%								
Location : 1st Floor Stair Treads								
Explanation : Locations Noted								
Vinyl Tile	45%	2-4	\$91,000	2039	**	3	\$3,200	
Worn/Eroded, Extent : Severe, 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. 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%			2047	**	5	\$1,300	
Gypsum Board	15%			LIFE	**	5-10	\$6,600	
Plaster	45%			LIFE	**	5-10	\$9,900	
Recent Repair Evident, Extent : N/A, Area Affected : 40%								
Location : Throughout At Storm Drain Leader Locations								
SGFT/Glazed Masonry	35%	Now	\$39,600	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%			2039	**	5	\$1,900	
Embossed Metal	30%	0-2	\$16,500	LIFE	**	5	\$2,500	
Corrosion/Rusting, Extent : Moderate, Area Affected : 5%								
Location : 1st Floor - Engine Bay								
Paint Peeling, Extent : Moderate, Area Affected : 30%								
Location : 1st Floor - Engine Bay								
Exposed Struc: Concrete	30%			LIFE	**	5-10	\$7,000	
Gypsum Board	10%	0-2	\$1,600	LIFE	**	5	\$2,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : 2nd Floor Rear Office								
Plaster	20%	0-2	\$11,100	LIFE	**	5	\$2,300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : 2nd And 3rd Floors - Rear Rooms								
Paint Peeling, Extent : Moderate, Area Affected : 10%								
Location : 2nd And 3rd Floors - Rear Rooms								
Site Enclosure								
Fence/Gates								
Iron Picket	100%			2069	**			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%	2-4	\$2,300	2047	**			
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
Sinking/Subsiding, Extent : Moderate, Area Affected : 2%								
Location : Section Of Curb								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 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									
	Service Equipment								
	Molded Case Bkrs	100%			2034	\$63,500	5	\$300	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Explanation : No Available Nameplate Rating Capacity. Approximately 400 Ampere Service								
	Switchgear / Switchboard								
	Molded Case Bkrs	100%			2034	\$63,500	5	\$300	
	Raceway								
	Conduit	80%			2034	\$28,800	1		
	Conduit	20%			2054	* *	1		
	Panelboards								
	Molded Case Bkrs	100%			2050	* *	5	\$300	
	Wiring								
	Thermoplastic	80%			2054	* *	1		
	Thermoplastic	20%			2034	\$6,500	1		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$400	
Lighting									
	Interior Lighting								
	Fluorescent	90%	Now	\$28,700	2034	\$95,600			
	Malfunctioning, Extent : Moderate, Area Affected : 30%								
	Location : Throughout The Building								
	T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
	Location : Throughout The Building								
	LED	10%			2039	* *			
	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%			2054	* *	1		
	Conversion Equipment								
	Steam Boiler	90%			2047	* *	1	\$11,200	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Unit							
	No Component	10%							
Distribution									
	Steam Piping/Pump	90%			2044	* *			
	No Component	10%							

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. 90/ LADDER CO. 41
Asset # : 13073

Mechanical		Current Repair		Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating								
	Terminal Devices							
	Convactor/Radiator	90%		2039	**	1	\$3,600	
	No Component	10%						
	Controls							
	Electrical	100%		2029	\$61,200			
Air Conditioning								
	Energy Source							
	Electricity	100%		2042	**	1		
	Conversion Equipment							
	Split Unit	10%		2039	**			
	Window/Wall Unit	60%		2029	\$27,800	1		
	No Component	30%						
Ventilation								
	Distribution							
	Ductwork/Diffusers	35%		LIFE	**	2-5	\$3,900	
	No Component	65%						
	Exhaust Fans							
	Interior	20%		2039	**	2	\$100	
	Roof	15%		2034	\$3,600	2	\$100	
	No Component	65%						
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%		2054	**	1		
	Water Heater With Tanks							
	Gas Fired	100%		2032	\$33,400	2		
	<i>Other Observation, Extent : N/A, Area Affected : 100%</i>							
	<i>Location : Basement</i>							
	<i>Explanation : Two 75 Gallon Units</i>							
	Sanitary Piping							
	Cast Iron	100%		LIFE	**	1		
	Storm Drain Piping							
	Cast Iron	100%		LIFE	**	1		
	Sump Pump(s)							
	Non-Submersible	100%		2039	**	4	\$300	
	Fixtures							
	Generic	100%						
Fire Suppression								
	Chemical System							
	Generic	100%		2029	\$39,800	1-3	\$202,200	
	<i>Other Observation, Extent : N/A, Area Affected : 100%</i>							
	<i>Location : Kitchen Hood</i>							
	<i>Explanation : 50 Square Feet</i>							

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 01-Feb-2023 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 1660 **Lot** : 30 **BIN** : 1052473

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$361,900	
Interior Architecture	\$360,900	
Electrical	\$127,000	
Mechanical		\$600,800
Total	\$849,800	\$600,800
Importance Code A	\$425,400	
Importance Code B	\$424,400	\$600,800
Total	\$849,800	\$600,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$10,800		\$3,600	
Interior Architecture	\$94,000			\$1,000
Electrical	\$26,300	\$500	\$500	\$600
Mechanical	\$44,400	\$1,700	\$3,600	\$1,600
Total	\$175,400	\$2,100	\$7,600	\$3,200
Importance Code A	\$12,000	\$1,200	\$4,800	\$1,200
Importance Code B	\$107,300	\$900	\$2,900	\$2,000
Importance Code C	\$56,200			
Total	\$175,400	\$2,100	\$7,600	\$3,200



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 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 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									
	Masonry: Brick	55%	0-2	\$120,200	LIFE	* *	5	\$7,500	
		Efflorescence, Extent : Light, Area Affected : 10%							
		Location : Rear Side Of Building							
		Staining/Discoloring, Extent : Light, Area Affected : 5%							
		Location : Rear Side Of Building							
	Masonry: Limestone	30%			LIFE	* *	5	\$6,100	
		Staining/Discoloring, Extent : Light, Area Affected : 15%							
		Location : Front Facade Above 3rd Floor							
	Stucco Cement	5%	Now	\$1,900	2047	* *	5	\$800	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : Bulkhead Roof Access							
	Wood Overhead Doors	10%			2047	* *	5	\$6,800	
		Dry Rot/Decay, Extent : Light, Area Affected : 2%							
		Location : Front Side Of Building							
Windows									
	Aluminum	100%			2042	* *	5	\$300	
Parapets									
	Cast Stone/Terra Cotta	10%	Now	\$2,600	LIFE	* *	5	\$1,100	
		Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%							
		Location : Coping Stones							
		Misaligned/Bulging, Extent : Moderate, Area Affected : 10%							
		Location : Various Locations							
		Caulking Deteriorated, Extent : Moderate, Area Affected : 25%							
		Location : Various Locations							
	Masonry: Brick	90%	0-2	\$3,200	LIFE	* *	5	\$1,300	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : Coping Stones							
		Efflorescence, Extent : Light, Area Affected : 25%							
		Location : Various Locations							
		Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%							
		Location : Throughout							
Roof									
	Built-Up (BUR)	100%	Now	\$241,700	2044	* *			1
		Drains Clogged, Extent : Moderate, Area Affected : 25%							
		Location : Roof Drains							
		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 244 East 111th 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. 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								
Floors								
Cast in Place Concrete	40%	Now	\$66,500	LIFE	* *	5	\$17,500	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 15%							
	Location : Apparatus Room Floor							
Ceramic Tile	10%	Now	\$5,500	2043	* *	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	\$7,200	2047	* *	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	\$21,600	2039	* *	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							
Interior Walls								
Ceramic Tile	10%	Now	\$2,100	2043	* *	5	\$1,000	
	Staining/Discoloring, Extent : Light, Area Affected : 40%							
	Location : Various Locations At Toilets							
Gypsum Board	10%			LIFE	* *	5-10	\$3,400	
Masonry: Brick	25%	Now	\$46,100	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%			LIFE	* *	5-10	\$5,100	
SGFT/Glazed Masonry	25%			LIFE	* *	10	\$2,500	

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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. 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 2% Now \$100 2047 * * 5 \$200

Broken/Missing Elements, Extent : Moderate, Area Affected : 85%

Location : Pantry

Exposed Struc: Concrete 25% Now \$219,600 LIFE * * 5 \$800

Cracking/Crumbling, Extent : Severe, Area Affected : 25%

Location : Basement

Exposed Reinforcement, Extent : Severe, Area Affected : 25%

Location : Basement

Spalling, Extent : Severe, Area Affected : 15%

Location : Basement

Other Observation, Extent : Severe, Area Affected : 100%

Location : Basement

Explanation : Area Of Concern Structurally

Gypsum Board 10% Now \$3,400 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 63% Now \$74,900 LIFE * * 5 \$7,900

Broken/Missing Elements, Extent : Severe, Area Affected : 20%

Location : 3rd Floor

Water Penetration, Extent : Severe, Area Affected : 30%

Location : 3rd Floor

Other Observation, Extent : N/A, Area Affected : 15%

Location : Third Floor 244 East 111th Street

Explanation : Area Of Concern Hole In Ceiling, Repair Halted

Site Pavements

Public Sidewalk

Cast in Place Concrete 100% 2047 * *

Cracking/Crumbling, Extent : Light, Area Affected : 2%

Location : Front Side Walk

Parking/Driveway

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

Molded Case Bkrs 100% 4+ \$63,500 2064 * * 5 \$200

Enclosure Corroded, Extent : Severe, Area Affected : 100%

Location : Basement Of 244 East 111th Street

Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement Of 244 East 111th Street

Explanation : One Main Service Switch Rated At 300 Amperes.

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 91
Asset # : 13074

Electrical		Current Repair		Future 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%	0-2	\$63,500	2064	* *	5	\$200	
		Enclosure Corroded, Extent : Severe, Area Affected : 100%							
		Location : Basement Of 244 East 111th Street							
	Raceway								
	Conduit	100%			2034	\$36,000	1		
	Panelboards								
	Molded Case Bkrs	100%			2033	\$48,500	5	\$300	
		Obsolete Equipment, Extent : Severe, Area Affected : 100%							
		Location : Throughout Firehouse							
	Wiring								
	Thermoplastic	100%			2034	\$32,500	1		
	Motor Controllers								
	Locally Mounted	100%			2032	\$17,800	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%	2-4	\$10,200	LIFE	* *	5	\$200	
		Corroded, Extent : Severe, Area Affected : 100%							
		Location : Basement Of 240 East 111th Street							
Lighting									
	Interior Lighting								
	Fluorescent	15%			2034	\$15,600	10	\$1,700	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Throughout The Building							
	Fluorescent	15%	2-4	\$15,600	2044	* *			
		T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Throughout The Building							
	LED	70%			2039	* *			
	Egress Lighting								
	Emergency, Battery	100%			2034	\$20,200	10	\$3,000	
	Exterior Lighting								
	HID	20%			2029	\$11,200	10		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Building Perimeter							
		Explanation : Controlled Via Photocell							
	No Component	80%							
Alarm									
	Security System								
	Generic	100%			2042	* *	1	\$4,600	
		Other Observation, Extent : N/A, 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

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific 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	\$1,100	2044	* *	1		
		Corroded, Extent : Severe, Area Affected : 100%							
		Location : Gasoline Meter Valve Rig							
	Natural Gas	30%			2044	* *	1		
Conversion Equipment									
	Steam Boiler	100%			2047	* *	1	\$12,200	
Distribution									
	Steam Piping/Pump	100%	2-4	\$4,800	2034	\$96,200			
		Insul. Deteriorating, Extent : Moderate, Area Affected : 100%							
		Location : Basement							
		Leak Evident, Extent : Severe, Area Affected : 50%							
		Location : Basement. Steam Pipe Leaking							
Terminal Devices									
	Convector/Radiator	90%	2-4	\$4,400	2032	\$88,400	1	\$3,200	
		Damaged, Extent : Light, Area Affected : 30%							
		Location : Radiator Covers							
	Unit Heater - Steam	10%			2034	\$6,800	4	\$200	
Controls									
	Digital	100%			2029	\$345,000			
Air Conditioning									
	Energy Source								
	Electricity	100%			2050	* *	1		
Conversion Equipment									
	Split Unit	25%			2034	\$71,300			
	Window/Wall Unit	25%			2029	\$11,400	1		
	No Component	50%							
Distribution									
	Ductwork/Diffusers	25%			LIFE	* *	2	\$5,000	
	No Component	75%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$10,900	
Exhaust Fans									
	Interior	50%			2034	\$26,600	2	\$200	
	Roof	50%	0-2	\$11,700	2044	* *	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%			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. 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 With Tanks								
	Gas Fired	100%			2033	\$16,700	2		
				Recent Replace Evident, Extent : N/A, 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	\$7,600	LIFE	* *	1		
				Corroded, Extent : Moderate, Area Affected : 100%					
				Location : Waste Line In Building 240 Basement					
Storm Drain Piping									
	Cast Iron	100%	2-4	\$8,500	LIFE	* *	1		
				Corroded, Extent : Moderate, Area Affected : 30%					
				Location : Basement					
Sump Pump(s)									
	Non-Submersible	100%			2029	\$2,400	4	\$400	
				Other Observation, Extent : Severe, Area Affected : 100%					
				Location : Throughout					
				Explanation : 1 Unit On Each Side					
Backflow Preventer									
	No Component	95%							
	Generic	5%			2042	* *	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$403,800	
Interior Architecture		\$171,600
Electrical		\$183,300
Mechanical		\$178,300
Total	\$403,800	\$533,200
Importance Code A	\$403,800	\$55,100
Importance Code B		\$478,100
Total	\$403,800	\$533,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$39,900	\$13,200		
Interior Architecture	\$92,200	\$1,800		\$800
Electrical	\$34,300	\$1,500	\$1,300	\$1,500
Mechanical	\$44,100	\$32,200	\$8,200	\$6,700
Site Pavements	\$5,200			
Total	\$215,700	\$48,700	\$9,500	\$9,000
Importance Code A	\$40,400	\$13,700	\$500	\$500
Importance Code B	\$128,900	\$34,900	\$9,000	\$8,500
Importance Code C	\$46,400			
Total	\$215,700	\$48,700	\$9,500	\$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.
 ** 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	\$216,200	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	\$1,200	
	Masonry: Limestone	10%	0-2	\$22,100	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	\$78,500	2047	**	5	\$1,400	
		Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 50%							
		Location : Throughout							
Parapets									
	Cast Stone/Terra Cotta	10%	Now	\$6,100	LIFE	**	5	\$2,100	
		Caulking Deteriorated, Extent : Moderate, Area Affected : 30%							
		Location : Cornice Joints Throughout Street Facade							
	Masonry: Brick	65%	Now	\$11,100	LIFE	**	5	\$1,800	
		Vegetation Growth, Extent : Severe, Area Affected : 30%							
		Location : Underside Of Coping							
	Metal Rail	15%	4+	\$500	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	\$109,100	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	\$26,400	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	\$43,800	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	\$17,200	2031	\$171,600	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	\$6,600	
	Masonry: Brick	20%	0-2	\$40,700	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	\$300	
	SGFT/Glazed Masonry	20%			LIFE	**			

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FIRE DEPARTMENT - 057
ENGINE CO. 92/ LADDER CO. 44
Asset # : 13075

Architecture		Current Repair			Future Replacement		Maintenance		
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+ \$1,500 2036 * * 5 \$2,400

Staining/Discoloring, Extent : Moderate, Area Affected : 5%
Location : Kitchen Area

Exposed Struc: Steel

25% LIFE * *

Other Observation, Extent : N/A, Area Affected : 100%
Location : Below Apparatus Floor
Explanation : Actually Metal Decking

Gypsum Board
Plaster

20% LIFE * * 5 \$4,000
 25% Now \$5,900 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 \$5,200 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 : N/A, 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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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	\$200	
Stand-by Power									
Transfer Switches									
	Automatic	100%			2036	**	1	\$3,300	
Generators									
	Diesel	100%			2034	\$99,500	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%			2025	\$2,400	5	\$400	
Fuel Storage									
	Main Tank	100%			2046	**	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Outside Yard								
	Explanation : 60 Gallons Rated Capacity								
Lighting									
Interior Lighting									
	Fluorescent	93%			2031	\$83,800	10	\$9,100	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Throughout The Building								
	Explanation : T-8 Lamps								
	Fluorescent	5%	Now	\$1,800	2041	**			
	Malfunctioning, Extent : Severe, Area Affected : 100%								
	Location : Stair Case								
	LED	2%			2039	**			
Egress Lighting									
	Emergency, Service	40%			2031	\$2,600	1		
	Emergency, Battery	10%	Now	\$1,700	2041	**			
	Not Functioning, Extent : Severe, Area Affected : 100%								
	Location : Hallways								
	Exit, Service	50%	Now	\$700	2041	**	1		
	Not Functioning, Extent : Severe, Area Affected : 100%								
	Location : Throughout The Building								
Exterior Lighting									
	HID	20%			2031	\$9,700	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 \$26,800 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	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
	Type								

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 Rooftop Package Units*

Hot Water Boiler

50% 2029 \$55,100 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 \$600 2039 * * 4 \$300

*Malfunctioning, Extent : Moderate, Area Affected : 100%**Location : Throughout. Ineffective Temperature Control Device*

No Component

50%

Terminal Devices

Convactor/Radiator

25% 2036 * * 1 \$900

Unit Heater - Steam

25% 2031 \$14,700 4 \$200

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Boiler Room**Explanation : Defective Pressure Relief Valve*

No Component

50%

Air Conditioning

Energy Source

Electricity

100% 2039 * * 1

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*** 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
Air Conditioning								
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	\$24,600	2031	\$123,200			
	Malfunctioning, Extent : Light, Area Affected : 100%							
	Location : The Split Unit At The Reception Room Is Malfunctioning.							
Ventilation								
Distribution								
Ductwork/Diffusers	100%	Now	\$9,100	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	\$900	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	\$1,100	
Sanitary Piping								
Cast Iron	100%	Now	\$2,600	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%			2025	\$300	4	\$300	
Backflow Preventer								
Generic	100%			2036	* *	1	\$700	
Fixtures								
Generic	100%							
Fire Suppression								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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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

Mechanical		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%			2051	* *	1-2	\$3,000	
Fire Pump									
	Generic	100%			2040	* *	1	\$2,000	
Chemical System									
	Wet	100%			2026	\$15,900	1-3	\$83,300	
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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 28-Oct-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 2155 **Lot** : 30 **BIN** : 1075518

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture		\$95,500
Total		\$95,500
Importance Code A		\$95,500
Total		\$95,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$102,100		\$16,000	\$12,600
Interior Architecture	\$160,500		\$2,800	
Electrical	\$3,400	\$2,300	\$4,800	\$2,300
Mechanical	\$24,200	\$5,400	\$12,400	\$3,700
Total	\$290,100	\$7,800	\$36,000	\$18,600
Importance Code A	\$103,200	\$1,100	\$17,100	\$13,600
Importance Code B	\$153,000	\$6,700	\$18,900	\$5,000
Importance Code C	\$33,900			
Total	\$290,100	\$7,800	\$36,000	\$18,600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 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								
	Water Penetration, Extent : Moderate, Area Affected : 2%								
	Location : Basement Foundation Wall								
	Masonry: Granite	5%			LIFE	**	5	\$3,200	
	Masonry: Limestone	10%	2-4	\$32,800	LIFE	**	5	\$3,200	
	Staining/Discoloring, Extent : Moderate, Area Affected : 40%								
	Location : Throughout								
	Wood Overhead Doors	15%			2047	**	5	\$32,000	
Windows									
	Aluminum	100%	Now	\$2,900	2050	**	5	\$1,600	
	Water Penetration, Extent : Severe, Area Affected : 2%								
	Location : 3rd Floor Shower, Laundry Room								
Parapets									
	Cast Stone/Terra Cotta	10%			LIFE	**	5-10	\$11,500	
	Masonry: Brick	75%	2-4	\$7,500	LIFE	**	5	\$3,000	
	Efflorescence, Extent : Moderate, Area Affected : 5%								
	Location : South Facade Roof Side								
	Metal Rail	15%	0-2	\$800	2047	**	5	\$4,300	
	Corrosion/Rusting, Extent : Light, Area Affected : 15%								
	Location : Throughout								
Roof									
	Roll Roofing	100%			2033	\$95,500	5	\$25,100	
Interior									
Floors									
	Cast in Place Concrete	50%	0-2	\$27,200	LIFE	**	5	\$35,800	
	Cracking/Crumbling, Extent : Light, Area Affected : 5%								
	Location : Basement Area								
	Ceramic Tile	6%	Now	\$5,400	2043	**	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%			LIFE	**	5	\$1,000	
	Wood	33%	Now	\$31,500	2062	**	5	\$10,100	
	Deteriorated Finish, Extent : Moderate, Area Affected : 60%								
	Location : Throughout 2nd And 3rd Floor								
	Wood	9%			2062	**	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.
Maintenance \$ are aggregated over a ten-year period. Site specific 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	

Interior

Interior Walls

Ceramic Tile	1%	0-2	\$500	2043	**	5	\$200
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*Cracking/Crumbling, Extent : Light, Area Affected : 5%**Location : Bathrooms*

Concrete Masonry Unit	40%			LIFE	**	5	\$14,100
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Glass: Single Pane	2%			LIFE	**	5	\$1,300
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Gypsum Board	22%	Now	\$2,600	LIFE	**	5	\$5,800
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*Cracking/Crumbling, Extent : Light, Area Affected : 1%**Location : By Ladder Leading To Roof And Adjacent Room*

Masonry: Brick	18%			LIFE	**	10	\$2,400
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Metal Panel	1%			LIFE	**	10	\$200
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Plaster	5%			LIFE	**	5-10	\$1,900
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Wood	11%			LIFE	**	5	\$38,700
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Ceilings

Exposed Struc: Concrete	40%			LIFE	**	5-10	\$16,400
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Exposed Struc: Steel	20%	Now	\$30,800	LIFE	**		
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*Water Penetration, Extent : Severe, 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%			LIFE	**	5-10	\$5,600
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Metal Panel	15%			LIFE	**	5	\$12,300
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Plaster	20%			LIFE	**	5-10	\$11,300
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Site Enclosure

Fence/Gates

Chain Link	100%			2044	**		
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2039	**		
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On-Site Walkways

Cast in Place Concrete	100%			2047	**		
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Parking/Driveway

Cast in Place Concrete	100%			2047	**		
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Electrical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2054	**	5	\$100
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 400 Ampere 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. 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
Under 600 Volts									
	Switchgear / Switchboard								
	Fused Disc Sw	100%			2054	* *	5	\$100	
			Enclosure Corroded, Extent : Moderate, Area Affected : 100%						
			Location : Basement						
	Raceway								
	Conduit	100%			2054	* *	1		
	Panelboards								
	Molded Case Bkrs	100%			2050	* *	5	\$600	
	Wiring								
	Thermoplastic	100%			2054	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2047	* *	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$600	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2047	* *	1	\$6,700	
	Generators								
	Diesel	100%			2043	* *	1	\$8,500	
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Outside Backyard						
			Explanation : 64 Kilowatt Portable Generator						
	Batteries								
	Lead/Acid	100%			2027	\$2,400	5	\$800	
	Fuel Storage								
	Main Tank	100%			2062	* *	5		
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Within Generator Enclosure						
			Explanation : 60 Gallon Diesel Tank						
Lighting									
	Interior Lighting								
	Fluorescent	4%			2034	\$7,400	10	\$800	
			Compact Fluorescent Light, Extent : Light, Area Affected : 30%						
			Location : Second And Third Floor						
	HID	1%			2034	\$1,300	10		
	LED	95%			2042	* *			
	Egress Lighting								
	Emergency, Service	50%			2039	* *	1		
	Exit, Service	50%			2039	* *	1		
	Exterior Lighting								
	HID	20%			2039	* *	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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** Replacement cost estimated to be beyond ten years is not included in this report.*

Alarm						
Security System						
Generic	100%	2039	* *	1		\$8,200
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>						
<i>Location : Exterior And Interior</i>						
<i>Explanation : Cameras Security System Only</i>						

Heating							
Energy Source							
Natural Gas	100%		2054	* *	1		
Conversion Equipment							
Furnace	50%		2034	\$33,200	1		\$5,400
Hot Water Boiler	50%		2047	* *	1		\$5,400
Distribution							
Hot Wtr Piping/Pump	100%		2050	* *	4		\$1,600
Terminal Devices							
Convactor/Radiator	80%		2047	* *	1		\$5,700
Fan Coil Unit/Heat	20%		2039	* *	1		\$1,400
Air Conditioning							
Energy Source							
Electricity	100%		2050	* *	1		
Conversion Equipment							
Ext Pkg Unit - Heating/Cooling	95%	Now	\$6,800	2039	* *	2	\$1,000
<i>Damaged, Extent : Moderate, Area Affected : 50%</i> <i>Location : Bird Screens Missing Or Damaged On Roof</i> <i>R-22 Refrigerant, Extent : Light, Area Affected : 100%</i> <i>Location : 6 Units On Roof</i>							
Window/Wall Unit	5%		2032	\$4,000	1		
Distribution							
Ductwork/Diffusers	95%		LIFE	* *	2		\$33,800
No Component	5%						
Ventilation							
Distribution							
Ductwork/Diffusers	100%		LIFE	* *	2-5		\$19,300
Exhaust Fans							
Roof	80%		2039	* *	2		\$500
Wall Unit	20%		2039	* *	2		\$100
Plumbing							
H/C Water Piping							
Brass/Copper	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
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									
	Water Heater With Tanks								
	Gas Fired	100%			2032	\$33,400	2		
			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%			2039	* *	4	\$500	
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Basement						
			Explanation : One Duplex Unit, One Single Unit						
	Backflow Preventer								
	Generic	100%			2039	* *	1	\$1,300	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Sprinkler								
	Generic	100%			2054	* *	1-2	\$6,100	
	Chemical System								
	No Component	90%							
	Generic	10%			2032	\$2,900	1-3	\$13,400	
			Other Observation, Extent : Light, Area Affected : 10%						
			Location : Kitchen						
			Explanation : 1 Set Kitchen Fire Suppression System Covers 36 Square Feet (6x6).						

*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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 94/ LADDER CO. 48 / BATTALION 3
Address : 1226 SENECA AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.094 / 13077 **Yr Built/Renovated** : 1913 /
Area Sq Ft : 8,526 **Project Type** : FIRE DEPARTMENT
Date of Survey : 28-Jun-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2762 **Lot** : 54 **BIN** : 2006440

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Mechanical		\$324,100
Total		\$324,100
Importance Code B		\$324,100
Total		\$324,100

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$20,100	\$2,100	\$500	\$10,500
Interior Architecture	\$45,700	\$1,800	\$2,200	\$1,100
Electrical	\$4,300	\$3,500	\$900	\$1,000
Mechanical	\$1,500	\$26,900	\$1,300	\$6,800
Site Pavements	\$28,600			
Total	\$100,100	\$34,300	\$4,900	\$19,300
Importance Code A	\$20,900	\$3,000	\$1,300	\$11,300
Importance Code B	\$76,700	\$31,300	\$2,600	\$8,000
Importance Code C	\$2,500		\$900	
Total	\$100,100	\$34,300	\$4,900	\$19,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 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%			2043	**	10	\$400		
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$11,200		
Masonry: Brick	70%			LIFE	**	5	\$10,000		
Masonry: Granite	5%			LIFE	**	5	\$500		
Stucco Cement	2%			2046	**	5	\$700		
Wood Overhead Doors	5%	Now	\$20,100	2053	**	5	\$1,800		
Worn/Eroded, Extent : Severe, Area Affected : 80%									
Location : Front Facade									
Windows									
Aluminum	100%			2049	**	5	\$2,300		
Parapets									
Cast Stone/Terra Cotta	10%			LIFE	**	5	\$2,500		
Masonry: Brick	85%			LIFE	**	5	\$2,800		
Metal Rail	5%			2046	**	5-10	\$2,900		
Roof									
Asphalt Shingle	5%			2042	**	10	\$100		
Modified Bitumen	90%			2038	**	10	\$10,500		
Roll Roofing	5%			2032		5	\$1,000		
Soffits									
Stucco Cement	100%			2046	**	5			
Interior									
Floors									
Cast in Place Concrete	35%	4+	\$7,500	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		
Quarry Tile	5%			2038	**	5	\$1,000		
Terrazzo	5%	Now	\$17,600	LIFE	**	5	\$500		
Cracking/Crumbling, Extent : Moderate, Area Affected : 30%									
Location : Stair Treads									
Vinyl Tile	30%			2038	**	3	\$1,400		
Wood	5%			2048	**	5	\$1,200		
Interior Walls									
Cast in Place Concrete	5%			LIFE	**				
Ceramic Tile	10%			2042	**	5	\$1,800		
Gypsum Board	25%			LIFE	**	5	\$2,700		
Masonry: Brick	25%			LIFE	**				
Plaster	30%	Now	\$2,500	LIFE	**	5	\$1,600		
Broken/Missing Elements, Extent : Severe, Area Affected : 2%									
Location : Bottom Of Stair To Basement									
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. 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									
	Ceilings								
	AcousTileSusp.Lay-In	20%			2046	* *	5	\$2,600	
	Exposed Struc: Steel	30%	Now	\$18,100	LIFE	* *			
		Corrosion/Rusting, Extent : Severe, Area Affected : 2%							
		Location : Steel Decking In Basement Ceiling, Boiler Room And Storage Area							
	Gypsum Board	20%			LIFE	* *	5	\$3,200	
	Plaster	30%			LIFE	* *	5	\$2,400	
Site Enclosure									
	Fence/Gates								
	Chain Link	92%			2043	* *			
	Iron Picket	8%			2053	* *			
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%	Now	\$28,600	2038	* *			
		Cracking/Crumbling, Extent : Moderate, Area Affected : 20%							
		Location : Failed Street Side							
	On-Site Walkways								
	Cast in Place Concrete	100%			2038	* *			
	Parking/Driveway								
	Asphalt	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%			2053	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : 400 Ampere Main Switch								
Raceway								
Conduit	80%			2043	* *	1		
Conduit	20%			2053	* *	1		
Panelboards								
Molded Case Bkrs	100%			2049	* *	5	\$200	
Wiring								
Thermoplastic	100%			2053	* *	1		
Motor Controllers								
Locally Mounted	100%			2038	* *	5	\$100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement Boiler Room								
Explanation : Controls For Heating System.								
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	\$100	

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FIRE DEPARTMENT - 057
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
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2046	* *	1	\$2,600	
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Basement						
			Explanation : 200 Amperes, 3 Pole, Connection For Generator						
Generators									
	Diesel	100%			2042	* *	1	\$3,300	
			Other Observation, Extent : Moderate, Area Affected : 100%						
			Location : Basement						
			Explanation : 100 Kilovolt Amperes						
Batteries									
	Lead/Acid	100%			2026	\$2,400	5	\$300	
Fuel Storage									
	Day Tank	100%			2041	* *	5		
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Basement						
			Explanation : 27 Gallons						
Lighting									
	Interior Lighting								
	LED	100%			2041	* *			
Egress Lighting									
	Emergency, Service	50%			2033	\$2,600	1		
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Throughout						
			Explanation : Emergency Lighting From Emergency Generator						
	Exit, Service	50%			2033	\$1,800	1		
Exterior Lighting									
	Incandescent	5%			2033	\$2,200	2		
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Side Yard						
			Explanation : Wall Mounted, Controlled Via Switch						
	LED	15%	0-2	\$3,300	2033	\$6,700			
			Other Observation, Extent : Moderate, Area Affected : 100%						
			Location : Exterior						
			Explanation : Wall Mounted, Controlled Via Time Clock						
	No Component	80%							
Alarm									
	Security System								
	Generic	100%			2041	* *	1	\$3,200	
			Other Observation, Extent : Moderate, Area Affected : 100%						
			Location : Exterior						
			Explanation : Cameras Security 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

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO. 94/ LADDER CO. 48 / BATTALION 3
Asset # : 13077

Mechanical		Current Repair		Future 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%			2053	**	1		
	Conversion Equipment								
	Steam Boiler	100%			2050	**	1	\$8,400	
	Distribution								
	Steam Piping/Pump	100%			2043	**			
	Terminal Devices								
	Convactor/Radiator	90%			2038	**	1	\$2,500	
	Unit Heater - Steam	10%			2028	\$4,700	4	\$100	
Air Conditioning									
	Energy Source								
	Electricity	100%			2049	**	1		
	Conversion Equipment								
	Split Unit	20%			2033	\$39,500			
	Window/Wall Unit	80%			2026	\$25,200	1		
	Dehumidifier								
	No Component	80%							
	Generic	20%			2031	\$324,100			
	Other Observation, Extent : Light, Area Affected : 20%								
	Location : Basement								
	Explanation : Portable								
Ventilation									
	Exhaust Fans								
	Roof	50%			2038	**	2	\$100	
	Wall Unit	50%			2033	\$1,800	2	\$100	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2043	**	1		
	Water Heater With Tanks								
	Gas Fired	100%			2031	\$33,400	2		
	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%			2026	\$300	4	\$300	
	Backflow Preventer								
	No Component	95%							
	Generic	5%			2041	**	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.

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

Fire Suppression

Chemical System

No Component

Generic

98%

2%

2028

\$500

1-3

\$2,600

*Other Observation, Extent : Light, Area Affected : 20%**Location : Kitchen**Explanation : Two 16 Square Foot 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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 95/ LADDER CO. 36
Address : 29 VERMILYEA AVENUE
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSECO.095 / 13078 **Yr Built/Renovated** : 1913 / 2003
Area Sq Ft : 9,076 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-May-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 2224 **Lot** : 15 **BIN** : 1064801

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$239,700	
Interior Architecture	\$118,000	
Total	\$357,700	
Importance Code A	\$239,700	
Importance Code B	\$118,000	
Total	\$357,700	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$61,300			
Interior Architecture	\$104,200	\$700		\$500
Electrical	\$700		\$5,300	\$100
Mechanical	\$25,200	\$6,700	\$36,900	\$6,700
Site Enclosure	\$3,500			
Site Pavements	\$26,200			
Total	\$221,000	\$7,400	\$42,100	\$7,300
Importance Code A	\$62,200	\$900	\$900	\$900
Importance Code B	\$92,400	\$6,100	\$41,200	\$6,400
Importance Code C	\$66,400	\$400		
Total	\$221,000	\$7,400	\$42,100	\$7,300



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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. 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+	\$7,900	LIFE	* *	5	\$8,000	
		Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%							
		Location : South Facade							
	Masonry: Brick	85%	Now	\$116,000	LIFE	* *	5	\$28,800	
		Diagonal Cracks, Extent : Severe, Area Affected : 10%							
		Location : Hose Tower							
		Graffiti, Extent : Moderate, Area Affected : 15%							
		Location : East Facades, Rear Facade							
		Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 5%							
		Location : North And South At Front Facade							
		Water Penetration, Extent : Moderate, Area Affected : 10%							
		Location : Basement Workout Room							
	Masonry: Limestone	7%	Now	\$36,500	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%			2045	* *	5	\$5,300	
Windows									
	Aluminum	100%	Now	\$123,700	2057	* *	5	\$1,300	
		Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 90%							
		Location : Throughout							
		Hardware Missing, Extent : Moderate, Area Affected : 10%							
		Location : Throughout							
Parapets									
	Cast Stone/Terra Cotta	15%	Now	\$1,200	LIFE	* *	5	\$2,600	
		Caulking Deteriorated, Extent : Moderate, Area Affected : 10%							
		Location : Throughout, Upper Roof							
		Worn/Eroded, Extent : Moderate, Area Affected : 50%							
		Location : Coping Stones							
	Masonry: Brick	75%	Now	\$4,200	LIFE	* *	5	\$1,700	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : Stucco Finish Over Parapet Wall							
		Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%							
		Location : Outside Face							
	Masonry: Limestone	10%			LIFE	* *	5	\$300	

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FIRE DEPARTMENT - 057
ENGINE CO. 95/ LADDER CO. 36
Asset # : 13078

Architecture		Current Repair			Future Replacement		Maintenance		
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	\$8,800	2037		* *		
				Blisters, Extent : Moderate, Area Affected : 10%					
				Location : Throughout					
				Gut/DS Non Func/Miss, Extent : Moderate, Area Affected : 10%					
				Location : Hose Tower/ Bulkhead					
				Patching Evident, Extent : Moderate, Area Affected : 5%					
				Location : Roof Surface					
				Other Observation, Extent : Moderate, Area Affected : 10%					
				Location : Over 2nd Floor Roof					
				Explanation : Wood Deck Over Roof					
Interior									
	Floors								
	Cast in Place Concrete	50%	0-2	\$9,100	LIFE		* *	5	\$12,000
				Cracking/Crumbling, Extent : Severe, Area Affected : 5%					
				Location : Apparatus Floor, Basement					
				Spalling, Extent : Moderate, Area Affected : 5%					
				Location : Basement Gymnasium					
	Ceramic Tile	5%			2041		* *	5	\$500
	Quarry Tile	5%	0-2	\$800	2037		* *	5	\$400
				Cracking/Crumbling, Extent : Moderate, Area Affected : 5%					
				Location : Kitchen Area					
	Vinyl Tile	40%	Now	\$11,800	2027	\$118,000		3	\$1,600
				Broken/Missing Elements, Extent : Moderate, Area Affected : 5%					
				Location : 2nd And 3rd Floor					
				Cracking/Crumbling, Extent : Severe, 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					

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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									
Interior Walls									
	Ceramic Tile	5%			2041	**	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	\$30,500	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	\$7,800	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									
Ceilings									
	AcousTileSusp.Lay-In	5%			2045	**	5	\$500	
Staining/Discoloring, Extent : Light, Area Affected : 5%									
Location : Kitchen									
	Exposed Struc: Concrete	25%	Now	\$39,400	LIFE	**	5	\$400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 40%									
Location : Cellar Throughout									
	Plaster	70%	4+	\$4,500	LIFE	**	5	\$4,700	
Water Penetration, Extent : Moderate, Area Affected : 1%									
Location : 3rd Floor Southeast									
Site Enclosure									
Fence/Gates									
	Chain Link	100%	4+	\$1,500	2052	**			
Corrosion/Rusting, Extent : Light, Area Affected : 15%									
Location : Rear Yard									
Free Standing Walls									
	Masonry: Brick	100%	Now	\$1,300	2042	**			
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									

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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
Site Enclosure									
	Retaining Walls								
	Cast in Place Concrete	90%			2052		* *		
		Graffiti, Extent : Light, Area Affected : 10%							
		Location : South Side Of Rear Yard							
	Masonry: Brick	10%	Now	\$700	2042		* *		
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : South Side Of Rear Yard							
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%	4+	\$1,000	2045		* *		
		Cracking/Crumbling, Extent : Light, Area Affected : 5%							
		Location : Front Of Building							
	On-Site Walkways								
	Cast in Place Concrete	100%	4+	\$25,200	2045		* *		
		Cracking/Crumbling, Extent : Light, Area Affected : 5%							
		Location : Rear Yard							
		Ponding, Extent : Light, Area Affected : 15%							
		Location : Rear Yard							
	Parking/Driveway								
	Cast in Place Concrete	100%			2045		* *		

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts									
	Service Equipment								
	Fused Disc Sw	100%			2052	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : One 400 Ampere Main Disconnect Switch							
Raceway									
	Conduit	70%			2032	\$25,200	1		
	Conduit	30%			2052	* *	1		
Panelboards									
	Fused Disc Sw	5%			2031	\$2,400	5		
	Molded Case Bkrs	75%			2048	* *	5	\$200	
	Molded Case Bkrs	20%			2031	\$9,700	5		
Wiring									
	Thermoplastic	75%			2052	* *	1		
	Thermoplastic	25%			2032	\$8,100	1		
Motor Controllers									
	Locally Mounted	100%			2030	\$17,800	5	\$100	
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	

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FIRE DEPARTMENT - 057
ENGINE CO. 95/ LADDER CO. 36
Asset # : 13078

Electrical		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	99%			2037		**			
LED	1%	Now	\$700	2042		**			

Other Observation, Extent : Severe, Area Affected : 100%

Location : Bathroom Wall Mounted In Second Floor

Explanation : Not In Service

Egress Lighting

Emergency, Battery	50%			2037		**	10	\$1,100	
Exit, Service	50%			2037		**	1		

Exterior Lighting

HID	10%			2027		\$4,100	10		
LED	10%			2037		**			
No Component	80%								

Mechanical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Heating

Energy Source

Natural Gas	100%			2052		**	1		
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Conversion Equipment

Steam Boiler	100%			2037		**	1	\$9,000	
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Distribution

Central Plant Steam Piping/Pmp	100%	0-2	\$12,500	2042		**	4	\$400	
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Insul. Deteriorating, Extent : Severe, Area Affected : 100%

Location : Basement

Terminal Devices

Convactor/Radiator	100%			2037		**	1	\$2,900	
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Air Conditioning

Energy Source

Electricity	100%			2048		**	1		
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Conversion Equipment

Interior Pkg Unit - Cooling	20%			2033		\$28,000	2	\$100	
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Exterior Pkg Unit - Cooling	50%			2037		**	2	\$300	
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R-22 Refrigerant, Extent : Light, Area Affected : 100%

Location : Roof

Other Observation, Extent : Light, Area Affected : 100%

Location : Roof

Explanation : 2 Split Units, 1 Package Unit

Window/Wall Unit	10%			2027		\$3,400	1		
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No Component	20%								
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FIRE DEPARTMENT - 057
ENGINE CO. 95/ LADDER CO. 36
Asset # : 13078

Mechanical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning									
Distribution									
	Ductwork/Diffusers	75%	0-2	\$4,700	LIFE	**	2	\$8,900	
		Leak Evident, Extent : Moderate, Area Affected : 10%							
		Location : Leaking Condensate Via The Duct At 3rd Floor							
	No Component	25%							
Terminal Devices									
	Air Handler/Dir Expansion	35%			2037	**	1		
	No Component	65%							
Heat Rejection									
	Dry Cooler	50%			2037	**	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%			2037	**	2	\$200	
	Wall Unit	25%	Now	\$100	2032	\$1,000	2	\$100	
		Other Observation, Extent : Moderate, Area Affected : 50%							
		Location : 1st Floor							
		Explanation : Noisy Operation							
Plumbing									
H/C Water Piping									
	Brass/Copper	100%			2042	**	1		
Water Heater With Tanks									
	Gas Fired	100%			2027	\$16,700	2		
		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		

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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									
	Sump Pump(s)								
	Non-Submersible	50%	Now	\$400	2037	* *	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%			2025	\$100	4	\$100	
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%			2030	\$15,900	1-3	\$74,400	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Kitchen Area							
		Explanation : Ansul System Serves Cooking Area							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 96/ LADDER CO. 54
Address : 1689 STORY AVENUE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.096 / 13079 **Yr Built/Renovated** : 1966 / 2002
Area Sq Ft : 7,035 **Project Type** : FIRE DEPARTMENT
Date of Survey : 11-May-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 3660 **Lot** : 1 **BIN** : 2022629

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$673,500	
Electrical		\$59,700
Mechanical	\$155,500	\$123,600
Site Enclosure	\$64,100	
Total	\$893,100	\$183,300
Importance Code A	\$673,500	\$73,000
Importance Code B	\$155,500	\$110,200
Importance Code C	\$64,100	
Total	\$893,100	\$183,300

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$61,900	\$2,600		
Interior Architecture		\$2,100	\$500	
Electrical		\$100		
Mechanical	\$44,500	\$16,500	\$600	\$14,000
Site Pavements	\$15,000			
Total	\$121,500	\$21,300	\$1,100	\$14,000
Importance Code A	\$62,300	\$2,900	\$300	\$400
Importance Code B	\$44,200	\$18,400	\$400	\$13,600
Importance Code C	\$15,000		\$400	
Total	\$121,500	\$21,300	\$1,100	\$14,000



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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	\$472,700	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 : Severe, Area Affected : 15%					
				Location : 2nd Floor At Window Lintels					
				Water Penetration, Extent : Severe, Area Affected : 20%					
				Location : 2nd Floor Window Level And Throughout South Facade					
	Metal Sect. OHD	10%			2046	* *	5	\$5,100	
Windows									
	Aluminum	100%	Now	\$43,200	2058	* *	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					
Parapets									
	Cast Stone/Terra Cotta	10%	0-2	\$4,800	LIFE	* *	5	\$700	
				Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 60%					
				Location : Coping Stones					
	Masonry: Brick	90%	Now	\$100,700	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					
				Other Observation, Extent : Severe, Area Affected : 10%					
				Location : Roof Parapets					
				Explanation : Shifting Of Parapet Wall					
Roof									
	Built-Up (BUR)	80%	Now	\$100,200	2043	* *			
				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					
				Miss/Damaged Flashings, Extent : Severe, Area Affected : 5%					
				Location : Parapet Walls					
	Roll Roofing	20%	Now	\$13,900	2035	* *	5	\$1,800	
				Water Penetration, Extent : Severe, Area Affected : 10%					
				Location : Lower Roof					
				Worn/Eroded, Extent : Severe, Area Affected : 50%					
				Location : Throughout Roof Area					

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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%			2042	* *	5	\$300	
Quarry Tile	2%			2046	* *	5	\$300	
Terrazzo	5%			LIFE	* *	5	\$400	
Vinyl Tile	30%			2038	* *	3	\$1,200	
Interior Walls								
Cast in Place Concrete	5%			LIFE	* *			
Ceramic Tile	5%			2042	* *	5	\$700	
Concrete Masonry Unit	5%			LIFE	* *	5	\$300	
Gypsum Board	35%			LIFE	* *	5	\$3,100	
Plaster	10%			LIFE	* *	5	\$400	
SGFT/Glazed Masonry	40%			LIFE	* *			
Ceilings								
AcousTileSusp.Lay-In	30%			2046	* *	5	\$3,200	
Exposed Struc: Concrete	50%			LIFE	* *	5	\$800	
Plaster	20%			LIFE	* *	5	\$1,300	
Site Enclosure								
Fence/Gates								
Chain Link	100%	Now	\$64,100	2063	* *			
Corrosion/Rusting, Extent : Severe, Area Affected : 90%								
Location : Throughout								
Free Standing Walls								
Concrete Masonry Unit	100%			2053	* *			
Site Pavements								
Public Sidewalk								
Cast in Place Concrete	100%			2038	* *			
On-Site Walkways								
Cast in Place Concrete	100%			2046	* *			
Parking/Driveway								
Asphalt	45%	0-2	\$15,000	2036	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : Side Driveway								
Potholes, Extent : Moderate, Area Affected : 10%								
Location : Side Driveway								
Cast in Place Concrete	55%			2046	* *			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific 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%			2043	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : One 400 Ampere Fused Disconnect Switch							
	Photovoltaic Panel(s)	5%			2036	* *	1		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Rooftop							
		Explanation : Serves Hot Water Heaters							
Raceway									
	Conduit	100%			2043	* *	1		
Panelboards									
	Fused Disc Sw	3%			2041	* *	5		
	Molded Case Bkrs	97%			2041	* *	5	\$200	
Wiring									
	Thermoplastic	100%			2043	* *	1		
Motor Controllers									
	Locally Mounted	100%			2038	* *	5		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
Lighting									
	Interior Lighting								
	Fluorescent	100%			2033	\$59,700	10	\$6,500	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Throughout The Building							
Egress Lighting									
	Emergency, Battery	50%			2033	\$5,800	10	\$800	
	Exit, Service	50%			2033	\$1,500	1		
Exterior Lighting									
	HID	20%			2033	\$6,400	10		
	No Component	80%							

Mechanical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Energy Source								
	Fuel Oil	100%			2043	* *	5	\$2,200	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : 2,500 Gallon Tank In Vault							
Conversion Equipment									
	Hot Water Boiler	100%			2031	\$73,000	1	\$3,500	
Distribution									
	Hot Wtr Piping/Pump	100%			2041	* *	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. 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									
	Terminal Devices								
	Convactor/Radiator	90%			2031	\$50,600	1	\$2,000	
	Unit Heater - Steam	10%			2028	\$3,900	4	\$100	
Air Conditioning									
	Energy Source								
	Electricity	100%			2049	* *	1		
	Conversion Equipment								
	Split Unit	20%	Now	\$32,600	2043	* *			
		<i>Broken, Extent : Moderate, Area Affected : 50%</i>							
		<i>Location : Roof And 2nd Floor</i>							
	Window/Wall Unit	60%			2026	\$15,600	1		
	No Component	20%							
Ventilation									
	Exhaust Fans								
	Roof	100%			2038	* *	2	\$200	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%	Now	\$4,400	2043	* *	1		
		<i>Leak Evident, Extent : Moderate, Area Affected : 10%</i>							
		<i>Location : 2nd Floor Bathroom Sink</i>							
	Water Heater With Tanks								
	Gas Fired	50%			2028	\$8,300	2		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
		<i>Location : Basement</i>							
		<i>Explanation : One 75 Gallon Unit</i>							
	Solar	50%			2028	\$155,500	1		
	Sanitary Piping								
	Cast Iron	100%	Now	\$4,300	LIFE	* *	1		
		<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>							
		<i>Location : 2nd Floor Bathroom</i>							
		<i>Explanation : Shower Drains Are Under Sized Causing Flooding</i>							
	Storm Drain Piping								
	Cast Iron	100%	0-2	\$2,400	LIFE	* *	1		
		<i>Blockage /Clogged, Extent : Moderate, Area Affected : 10%</i>							
		<i>Location : Drain At Apparatus Room Clogged</i>							
	Sump Pump(s)								
	Submersible	100%			2026	\$200	4	\$200	
	Backflow Preventer								
	No Component	95%							
	Generic	5%			2033	\$200	1		
		<i>Other Observation, Extent : Light, Area Affected : 100%</i>							
		<i>Location : Basement</i>							
		<i>Explanation : Serves Boiler Only</i>							
	Fixtures								
	Generic	100%							

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : ENGINE CO. 97
Address : 1454 ASTOR AVENUE @ FENTON AVE
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.097 / 13080 **Yr Built/Renovated** : 1931 / 2010
Area Sq Ft : 5,006 **Project Type** : FIRE DEPARTMENT
Date of Survey : 22-Jun-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 4389 **Lot** : 23 **BIN** : 2050740

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$398,300	
Total	\$398,300	
Importance Code A	\$398,300	
Total	\$398,300	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$40,600	\$1,500		\$11,900
Interior Architecture	\$12,700	\$1,500	\$500	
Electrical		\$100		\$2,000
Mechanical	\$1,100	\$1,000	\$900	\$34,900
Total	\$54,500	\$4,100	\$1,400	\$48,800
Importance Code A	\$41,100	\$2,000	\$500	\$12,400
Importance Code B	\$600	\$2,100	\$600	\$36,400
Importance Code C	\$12,700		\$300	
Total	\$54,500	\$4,100	\$1,400	\$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
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	65%	Now	\$193,600	LIFE	* *	5	\$12,000	
		Paint Peeling, Extent : Moderate, Area Affected : 20%							
		Location : Side Facade							
		Painted Surfaces, Extent : Light, Area Affected : 30%							
		Location : Side And Rear Facade							
		Water Penetration, Extent : Moderate, Area Affected : 10%							
		Location : North Elevation, Foundation Wall In Basement							
	Masonry: Granite	5%			LIFE	* *	5	\$700	
	Stucco Cement	20%	Now	\$204,800	2053	* *	5	\$4,600	
		Water Penetration, Extent : Severe, Area Affected : 20%							
		Location : Throughout Side Facades							
	Wood Overhead Doors	10%			2038	* *	5	\$9,300	
Windows									
	Aluminum	100%	Now	\$17,400	2049	* *	5	\$900	
		Water Penetration, Extent : Severe, Area Affected : 15%							
		Location : At Window Lintels Front Facade							
Parapets									
	Masonry: Brick	90%	Now	\$23,200	LIFE	* *	5	\$1,900	
		Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 10%							
		Location : Parapet Wall							
		Painted Surfaces, Extent : Moderate, Area Affected : 100%							
		Location : Parapet Wall							
	Masonry: Limestone	10%			LIFE	* *	5	\$300	
		Staining/Discoloring, Extent : Severe, Area Affected : 20%							
		Location : Coping Stones							
Roof									
	Metal Panel	10%			2046	* *	10	\$1,500	
	Modified Bitumen	90%			2038	* *	10	\$7,300	
Interior									
Floors									
	Cast in Place Concrete	60%			LIFE	* *	5	\$11,300	
	Ceramic Tile	5%			2042	* *	5	\$400	
	Quarry Tile	5%			2046	* *	5	\$600	
	Vinyl Tile	30%			2038	* *	3	\$1,000	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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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**

Architecture		Current 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%			2042	**	5	\$600	
Gypsum Board	25%			LIFE	**	5	\$1,800	
Masonry: Brick	10%	Now	\$11,000	LIFE	**			

*Water Penetration, Extent : Moderate, Area Affected : 15%**Location : Basement*

Plaster	30%	Now	\$1,700	LIFE	**	5	\$1,100	
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*Broken/Missing Elements, Extent : Moderate, Area Affected : 5%**Location : 2nd Floor Along North And East Facade**Cracking/Crumbling, Extent : Severe, Area Affected : 20%**Location : 2nd Floor Front Offices At Windows**Water Penetration, Extent : Moderate, Area Affected : 5%**Location : 2nd Floor Along North And East Facade, Front Offices*

SGFT/Glazed Masonry	30%			LIFE	**			
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Ceilings

AcousTileSusp.Lay-In	20%			2046	**	5	\$1,700	
Exposed Struc: Concrete	35%			LIFE	**	5	\$500	
Exposed Struc: Steel	20%			LIFE	**			
Plaster	25%			LIFE	**	5	\$1,300	

Site Enclosure**Fence/Gates**

Chain Link	100%			2043	**			
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*Corrosion/Rusting, Extent : Moderate, Area Affected : 75%**Location : Throughout***Site Pavements****Public Sidewalk**

Cast in Place Concrete	100%			2046	**			
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On-Site Walkways

Cast in Place Concrete	100%			2038	**			
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Parking/Driveway

Cast in Place Concrete	100%			2046	**			
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Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts**Service Equipment**

Fused Disc Sw	100%			2043	**	5			
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : 200 Amperes***Raceway**

Conduit	100%			2043	**	1			
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Panelboards

Molded Case Bkrs	60%			2041	**	5	\$100		
Molded Case Bkrs	40%			2055	**	5	\$100		

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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
Under 600 Volts								
Wiring								
Thermoplastic	100%			2043	* *	1		
Motor Controllers								
Locally Mounted	100%			2046	* *	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	30%			2038	* *	10	\$1,400	
	T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%							
	Location : Basement							
LED	70%			2038	* *			
Egress Lighting								
Emergency, Battery	50%			2038	* *	10	\$600	
Exit, LED	50%			2061	* *	1		
Exterior Lighting								
HID	20%			2033	\$4,600	10		
	Outdr Lights On During Daytime, 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%			2043	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2046	* *	1	\$5,000	
	Corroded, Extent : Moderate, Area Affected : 5%								
	Location : One Boiler								
	Distribution								
	Steam Piping/Pump	100%			2043	* *			
	Terminal Devices								
	Convactor/Radiator	70%			2038	* *	1	\$1,100	
	Fan Coil Unit/Heat	30%			2038	* *	1	\$500	
Air Conditioning									
	Energy Source								
	Electricity	100%			2049	* *	1		
	Conversion Equipment								
	Split Unit	10%			2033	\$11,600			
	Window/Wall Unit	90%			2028	\$16,700	1		

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** 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
Ventilation									
	Exhaust Fans								
	Roof	100%			2033	\$9,500	2	\$200	
Plumbing									
	H/C Water Piping								
	Brass/Copper	70%			2043	* *	1		
	Galvanized Steel	30%			2038	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2028	\$16,700	2		
	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%			2026	\$200	4	\$200	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	98%							
	Generic	2%			2028	\$500	1-3	\$2,600	
	Other Observation, Extent : Light, Area Affected : 10%								
	Location : Kitchen								
	Explanation : Kitchen Fire Suppression Covers 32 Square Feet								

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture		\$165,600
Interior Architecture		\$54,600
Electrical		\$99,500
Total		\$319,600
Importance Code A		\$165,600
Importance Code B		\$154,100
Total		\$319,600

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$3,100	\$200		\$1,500
Interior Architecture	\$300			\$300
Electrical	\$3,200	\$13,500	\$700	\$600
Mechanical	\$800	\$12,500	\$1,000	\$1,100
Site Pavements	\$13,500			
Total	\$20,800	\$26,100	\$1,800	\$3,500
Importance Code A	\$3,500	\$700	\$400	\$2,000
Importance Code B	\$3,800	\$25,500	\$1,300	\$1,500
Importance Code C	\$13,500			
Total	\$20,800	\$26,100	\$1,800	\$3,500



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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.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	\$10,800	
Masonry: Brick	76%			LIFE	**	5	\$16,400	
Metal Sect. OHD	10%			2044	**	5	\$6,700	
Pre-Cast Concrete	2%	0-2	\$3,100	LIFE	**	5	\$1,400	
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%								
Location : Various Window Sills								
Windows								
Aluminum	100%			2053	**	5	\$3,000	
Recent Replace Evident, Extent : N/A, 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	\$165,600	10	\$15,500	
Soffits								
Exposed Struc: Concrete	100%			LIFE	**	5	\$200	
Interior								
Floors								
Cast in Place Concrete	40%			LIFE	**	5	\$11,800	
Ceramic Tile	30%			2044	**	5	\$4,000	
Recent Installation, Extent : N/A, Area Affected : 100%								
Location : 2nd Floor And Bathrooms								
Terrazzo	15%			LIFE	**	5	\$1,600	
Vinyl Tile	15%			2031	\$54,600	3	\$1,000	
Interior Walls								
Ceramic Tile	10%			2044	**	5	\$1,900	
Recent Replace Evident, Extent : N/A, Area Affected : 100%								
Location : Bathrooms And Washroom Area								
Concrete Masonry Unit	15%			LIFE	**	5	\$1,100	
Gypsum Board	5%			LIFE	**	5	\$600	
Mosaic Tile	5%			LIFE	**			
Plaster	20%			LIFE	**	5	\$1,100	
SGFT/Glazed Masonry	45%			LIFE	**			
Ceilings								
AcousTileSusp.Lay-In	55%			2044	**	5	\$7,400	
Gypsum Board	5%			LIFE	**	5	\$800	
Plaster	40%			LIFE	**	5	\$3,400	
Site Enclosure								
Fence/Gates								
Chain Link	100%			2041	**			

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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

\$13,500 2040

* *

*Broken/Missing Elements, Extent : Moderate, Area Affected : 20%**Location : East Parking Yard And West Driveway**Cracking/Crumbling, Extent : Moderate, Area Affected : 50%**Location : East Parking Yard And West Driveway*

Cast in Place Concrete

20%

2048

* *

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Driveway Apron At Apparatus Entrance**Explanation : Recent Installation*

Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts

Service Equipment

Fused Disc Sw

100%

2041

* *

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : 1st Floor Electrical Room**Explanation : Main Disconnect Rated At 400 Amperes*

Raceway

Conduit

100%

2031

\$36,000

1

Panelboards

Molded Case Bkrs

100%

2047

* *

5

\$200

Wiring

Braided Cloth

10%

2030

\$3,300

1

Thermoplastic

90%

2041

* *

1

Motor Controllers

Locally Mounted

100%

2036

* *

5

\$100

Ground

Grounding Devices

Generic

100%

LIFE

* *

5

\$100

Stand-by Power

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
ENGINE CO.154/ S.I. BORO COMMAND
Asset # : 13084

Electrical		Current Repair		Future Replacement		Maintenance			
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	\$99,500	1	\$3,500	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Outdoor Enclosure							
		Explanation : 115 Kilowatts Rated Capacity							
	Batteries								
	Lead/Acid	100%			2025	\$2,400	5	\$300	
	Fuel Storage								
	Day Tank	25%			2039	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Inside Emergency Generator Enclosure							
		Explanation : 120 Gallon Capacity							
	Main Tank	75%			2046	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Above Ground, Side Yard							
		Explanation : 500 Gallon Diesel Fuel Tank							
Lighting									
	Interior Lighting								
	Fluorescent	10%			2031	\$7,600	10	\$800	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Throughout The Building							
	Incandescent	5%			2026	\$5,400	2		
	LED	85%			2039	* *			
	Egress Lighting								
	Emergency, Battery	50%			2036	* *	10	\$1,100	
	Exit, Battery	50%			2036	* *	10	\$300	
	Exterior Lighting								
	Fluorescent	10%			2026	\$3,500	10	\$100	
		Compact Fluorescent Light, Extent : Light, Area Affected : 100%							
		Location : Main Entrance							
	Incandescent	5%			2026	\$2,400	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	\$400	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
ENGINE CO.154/ S.I. BORO COMMAND
Asset # : 13084

Mechanical		Current Repair		Future Replacement		Maintenance			
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	\$10,400			
Air Conditioning									
	Energy Source								
	Electricity	100%			2047	* *	1		
	Conversion Equipment								
	Split Unit	45%			2036	* *			
		Recent Installation, Extent : N/A, Area Affected : 30%							
		Location : Roof							
	Window/Wall Unit	35%			2026	\$11,700	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	\$900	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 With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
		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	

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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

Mechanical		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							

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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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FDNY BOAT MAINTENANCE @MARINE 6 NAVY YARD BLDG. 295
Address : HAMMERHEAD AVE IN FRONT OF BLDG. 270
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRMAR6.010 / 14939 **Yr Built/Renovated** : 2015 /
Area Sq Ft : 6,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-Jun-2021 **Landmark Status** : NONE
Areas Surveyed : Floors 1
Block : 2023 **Lot** : 1 **BIN** :

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$74,800	
Total	\$74,800	
Importance Code A	\$74,800	
Total	\$74,800	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$39,700			\$1,500
Interior Architecture				
Electrical	\$200	\$200	\$200	\$200
Mechanical		\$200		\$200
Total	\$39,900	\$400	\$300	\$1,900
Importance Code A	\$39,700	\$100		\$1,600
Importance Code B	\$300	\$300	\$300	\$300
Total	\$39,900	\$400	\$300	\$1,900



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
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%	4+	\$36,100	2058	**	5	\$20,900	
Not Insulated, Extent : Severe, Area Affected : 90%									
Location : Exterior Walls									
Other Observation, Extent : Moderate, Area Affected : 75%									
Location : Throughout									
Explanation : Building Is Not Heated. Cold Air Infiltration During Winter Months									
	Metal Coiling Doors	15%	4+	\$74,800	2045	**	5	\$3,700	
Air Infiltration, Extent : Severe, Area Affected : 80%									
Location : Door Perimeter									
Other Observation, Extent : Severe, Area Affected : 75%									
Location : Coiling Door And Throughout									
Explanation : Building Is Not Heated. Cold Air Infiltration During Winter Months									
	Window Wall	5%			2058	**	5	\$3,000	
Windows									
	Metal Louvers	100%			2045	**	10	\$3,600	
Parapets									
	Metal Rail	100%			2049	**	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									
Ceilings									
	Exposed Struc: Steel	100%			LIFE	**			
Site Enclosure									
	Fence/Gates								
	Chain Link	100%			2052	**			
Site Pavements									
On-Site Walkways									
	Cast in Place Concrete	100%			2045	**			
Parking/Driveway									
	Asphalt	50%			2041	**			
	Cast in Place Concrete	50%			2045	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. 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%

2058

* *

5

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Garage Area**Explanation : Main Service Disconnect Switch Rated At 400 Amperes.*

Raceway

Conduit

100%

2058

* *

1

Panelboards

Fused Disc Sw

10%

2054

* *

5

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Garage Area**Explanation : Serving The Solar Panel Photovoltaic Cell*

Molded Case Bkrs

90%

2054

* *

5

\$100

Wiring

Thermoplastic

100%

2058

* *

1

Motor Controllers

Locally Mounted

100%

2049

* *

5

Ground

Grounding Devices

Not Accessible

100%

Lighting

Interior Lighting

LED

100%

2040

* *

Egress Lighting

Emergency, Battery

50%

2040

* *

10

\$700

Exit, Service

50%

2040

* *

1

Exterior Lighting

LED

30%

2040

* *

No Component

70%

Alarm

Security System

Generic

100%

2040

* *

1

\$2,200

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Throughout 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

Electricity

100%

2062

* *

1

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FDNY BOAT MAINTENANCE @MARINE 6 NAVY YARD BLDG. 295
Asset # : 14939

Mechanical		Current 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%			2040	* *	2	\$600	
		Other Observation, Extent : N/A, Area Affected : 20%							
		Location : First Floor							
		Explanation : Portable Electrical Heaters							
	No Component	80%							
Terminal Devices									
	Fan Coil Unit/Heat	20%			2042	* *	1	\$400	
	No Component	80%							
Air Conditioning									
	Energy Source								
	Electricity	100%			2057	* *	1		
Plumbing									
	Storm Drain Piping								
	Plastic/PVC	100%			2052	* *	1		

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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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FDNY BTDS STORAGE FACILITY FORMER LADDER CO. 114 BLDG.
Address : 5209 5TH AVENUE
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSLAD.114 / 13223 **Yr Built/Renovated** : 1897 /
Area Sq Ft : 3,202 **Project Type** : FIRE DEPARTMENT
Date of Survey : 13-Oct-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 808 **Lot** : 6 **BIN** : 3013940

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$52,600	
Interior Architecture	\$315,800	
Electrical		\$63,500
Total	\$368,400	\$63,500

Importance Code A	\$52,600	
Importance Code B	\$315,800	\$63,500
Total	\$368,400	\$63,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$9,400	\$2,600		
Interior Architecture	\$23,800		\$200	\$200
Electrical	\$10,300	\$100	\$200	\$6,800
Mechanical	\$400	\$400	\$400	\$23,000
Total	\$43,900	\$3,100	\$800	\$30,000
Importance Code A	\$9,700	\$2,900	\$300	\$300
Importance Code B	\$28,500	\$200	\$300	\$29,700
Importance Code C	\$5,700		\$200	
Total	\$43,900	\$3,100	\$800	\$30,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FDNY BTDS STORAGE FACILITY FORMER LADDER CO. 114 BLDG.
Asset # : 13223

Architecture		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Masonry: Brick	80%	Now	\$52,600	LIFE	* *	5	\$13,100	
	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%			2046	* *	5	\$5,100	
Windows								
Aluminum	100%	Now	\$3,500	2049	* *	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	95%	2-4	\$1,300	2038	* *			
	Blisters, Extent : Light, Area Affected : 5%							
	Location : Main Roof							
Skylight, Metal/Glass	5%	Now	\$4,500	2043	* *			
	Water Penetration, Extent : Moderate, Area Affected : 5%							
	Location : Old Kitchen							
Interior								
Floors								
Cast in Place Concrete	65%	Now	\$195,500	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	\$300	2042	* *	5	\$200	
	Misaligned/Bulging, Extent : Moderate, Area Affected : 2%							
	Location : 2nd Floor Bathroom							
Vinyl Tile	30%	0-2	\$9,800	2038	* *	3	\$700	
	Cracking/Crumbling, Extent : Light, Area Affected : 20%							
	Location : Throughout							
Interior Walls								
Ceramic Tile	5%			2042	* *	5	\$400	
Gypsum Board	10%			LIFE	* *	5	\$500	
Masonry: Brick	30%			LIFE	* *			
SGFT/Glazed Masonry	30%			LIFE	* *			
Wood	25%	Now	\$5,700	LIFE	* *	5	\$8,300	
	Worn/Eroded, Extent : Moderate, Area Affected : 25%							
	Location : 2nd Floor Throughout							

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FDNY BTDS STORAGE FACILITY FORMER LADDER CO. 114 BLDG.
Asset # : 13223

Architecture	Current 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% 4+ \$2,000 2046 * * 5 \$1,200

Staining/Discoloring, Extent : Moderate, Area Affected : 10%
Location : 2nd Floor Throughout

Embossed Metal 30% Now \$5,300 LIFE * * 5 \$800

Broken/Missing Elements, Extent : Moderate, Area Affected : 5%
Location : Apparatus Floor
Deformed/Dented, Extent : Light, Area Affected : 10%
Location : Throughout

Exposed Struc: Steel 1% Now \$700 LIFE * *

Water Penetration, Extent : Moderate, Area Affected : 5%
Location : At Removed Sidewalkto Basement Bilco Door Penetration

Masonry: Vault Struct 29% Now \$120,300 LIFE * *

Broken/Missing Elements, Extent : Moderate, Area Affected : 5%
Location : Basement
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%
Location : Basement
Loose Units, Extent : Moderate, Area Affected : 5%
Location : Basement
Other Observation, Extent : Severe, Area Affected : 100%
Location : Basement
Explanation : Structurally Insufficient And Beams Corroded, Lolly Columns Installed

Site Pavements

Public Sidewalk

Cast in Place Concrete 100% 2038 * *

On-Site Walkways

Cast in Place Concrete 100% 2038 * *

Electrical	Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw 100% 2033 \$14,700 5

Other Observation, Extent : N/A, Area Affected : 100%
Location : Basement
Explanation : Main Service Disconnect Switch Rated At 200 Amperes.

Switchgear / Switchboard

Molded Case Bkrs 100% 2033 \$63,500 5 \$100

Raceway

Conduit 100% 2033 \$36,000 1

Panelboards

Fused Disc Sw 10% 2032 \$4,800 5
Molded Case Bkrs 90% 2032 \$43,600 5 \$100

Wiring

Thermoplastic 100% 2033 \$32,500 1

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
FDNY BTDS STORAGE FACILITY FORMER LADDER CO. 114 BLDG.
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
Under 600 Volts									
	Motor Controllers								
	Locally Mounted	100%			2031	\$17,800	5		
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%			2038	* *	10	\$2,900	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Throughout The Building								
	Explanation : T-8 Lamps								
	Exterior Lighting								
	HID	25%			2028	\$3,600	10		
	No Component	75%							
Alarm									
	Security System								
	Generic	100%			2038	* *	1	\$1,200	
	Other Observation, Extent : N/A, 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%			2059	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2050	* *	1	\$3,200	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Explanation : 1 Unit								
	Distribution								
	Steam Piping/Pump	100%			2053	* *			
	Terminal Devices								
	Convactor/Radiator	50%			2031	\$12,800	1	\$500	
	Convactor/Radiator	50%			2050	* *	1	\$500	
Air Conditioning									
	Energy Source								
	Electricity	100%			2041	* *	1		
	Conversion Equipment								
	Window/Wall Unit	50%			2028	\$5,900	1		
	No Component	50%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FDNY BTDS STORAGE FACILITY FORMER LADDER CO. 114 BLDG.
Asset # : 13223

Mechanical		Current Repair		Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
	Exhaust Fans							
	Wall Unit	10%		2038	* *	2		
	No Component	90%						
Plumbing								
	H/C Water Piping							
	Brass/Copper	100%		2043	* *	1		
	Water Heater With Tanks							
	Gas Fired	100%		2028	\$16,700	2		
	Sanitary Piping							
	Cast Iron	30%		LIFE	* *	1		
	Cast Iron	70%		LIFE	* *	1		
	Storm Drain Piping							
	Cast Iron	100%		LIFE	* *	1		
	Fixtures							
	Generic	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

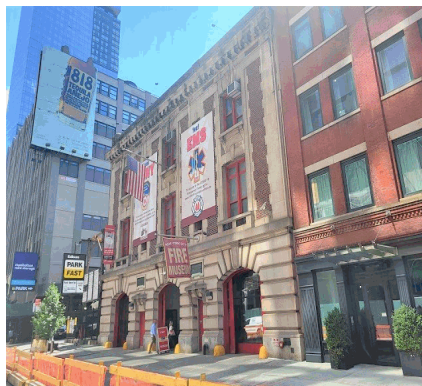
Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 25-Aug-2022 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 579 **Lot** : 11 **BIN** : 1009739

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$91,200	\$170,900
Electrical		\$59,300
Mechanical		\$50,700
Total	\$91,200	\$280,900
Importance Code A	\$91,200	\$170,900
Importance Code B		\$110,000
Total	\$91,200	\$280,900

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$107,000			
Interior Architecture	\$179,600		\$8,000	\$4,500
Electrical	\$12,900	\$2,000	\$2,000	\$2,400
Mechanical	\$17,600	\$3,600	\$12,100	\$4,400
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$321,000	\$9,600	\$26,000	\$15,200
Importance Code A	\$109,200	\$2,000	\$2,100	\$2,000
Importance Code B	\$188,600	\$7,600	\$23,900	\$13,200
Importance Code C	\$23,300			
Total	\$321,000	\$9,600	\$26,000	\$15,200



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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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FIRE DEPARTMENT - 057
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%			2044	**	10	\$800	
	Masonry: Brick	50%			LIFE	**	5	\$50,100	
	Masonry: Limestone	10%	4+	\$12,700	LIFE	**	5	\$3,800	
Staining/Discoloring, Extent : Light, Area Affected : 25%									
Location : Cornice									
	Masonry: Limestone	15%			LIFE	**	5	\$11,300	
	Granite Panels	5%			LIFE	**	5	\$3,800	
	Stucco Cement	10%	Now	\$91,200	2047	**	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%			2044	**	5	\$9,400	
Windows									
	Aluminum	90%	Now	\$25,400	2050	**	5	\$1,200	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%									
Location : 3rd And 2nd Floor									
	Wood	10%	Now	\$7,100	2059	**	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	\$11,300	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	**	5-10	\$4,400	
	Metal Cornice	4%			2049	**	10	\$400	
	Metal Panel	12%			2054	**	5	\$1,400	
	Metal Rail	5%			2039	**	5-10	\$2,700	
	Slate	12%			LIFE	**	5	\$700	
Worn/Eroded, Extent : Moderate, Area Affected : 100%									
Location : Copings Located On South Side Of Roof									
Roof									
	Built-Up (BUR)	90%			2029		10	\$13,700	
Worn/Eroded, Extent : Moderate, Area Affected : 30%									
Location : Main Roof									
	Modified Bitumen	5%			2039	**	10	\$800	
	Skylight, Metal/Glass	5%			2054	**	10	\$2,500	

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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	

Interior

Floors

Carpet 25% Now \$45,700 2033 \$152,200 3 \$12,000

Worn/Eroded, Extent : Moderate, Area Affected : 30%

Location : 2nd Floor

Cast in Place Concrete	40%		LIFE	**	5	\$56,200
Ceramic Tile	3%		2043	**	5	\$1,000
Quarry Tile	2%		2047	**	5	\$1,000
Sheet Vinyl/Rubber	5%		2039	**	5	\$2,400
Wood	25%		2062	**	5	\$15,100

Interior Walls

Concrete Masonry Unit	25%		LIFE	**	5	\$5,200	
Gypsum Board	40%		LIFE	**	5-10	\$17,700	
Masonry: Brick	10%		LIFE	**	10	\$800	
Plaster	25%	Now	\$8,500	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 Struc: Concrete 40% Now \$41,300 LIFE ** 5 \$2,000

Broken/Missing Elements, Extent : Light, Area Affected : 5%

Location : Throughout Basement

Gypsum Board	55%		LIFE	**	5-10	\$60,700	
Plaster	5%	Now	\$2,600	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% 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% 2034 \$27,200 5 \$100

Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : 1,200 Ampere Main Switch

Raceway

Conduit 100% 2034 \$39,500 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
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									
Panelboards									
	Molded Case Bkrs	100%	Now	\$6,400	2033	\$32,100	5	\$300	
<i>Mech. Misoperation, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Throughout</i>									
Wiring									
	Braided Cloth	10%	4+	\$3,600	2059	* *	1		
<i>On Extended Life, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Throughout</i>									
	Thermoplastic	90%			2054	* *	1		
Ground									
Grounding Devices									
	Generic	100%			LIFE	* *	5	\$600	
Lighting									
Interior Lighting									
	Fluorescent	2%			2034	\$7,500	10	\$400	
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
	Fluorescent	1%			2029	\$3,800	10	\$200	
<i>T-12 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Staircases</i>									
	LED	97%			2042	* *			
Egress Lighting									
	Emergency, Battery	50%			2034	\$19,300	10	\$2,600	
	Exit, Battery	50%			2034	\$16,300	10	\$700	
Exterior Lighting									
	LED	20%			2042	* *			
	No Component	80%							
Alarm									
Security System									
	Generic	50%			2029	\$21,600	1	\$4,000	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Throughout</i>									
<i>Explanation : Intrusion Alarm System</i>									
	Generic	50%			2039	* *	1	\$4,000	
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Exterior And Interior</i>									
<i>Explanation : Cameras Security System</i>									
Fire/Smoke Detection									
	Generic, Digital	100%			2034	\$59,300	1-3	\$13,600	

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									
	Energy Source								
	Natural Gas	100%			2054	* *	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
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
Heating									
	Conversion Equipment								
	Radiant Heater	5%			2039	* *	2	\$500	
		Other Observation, Extent : Light, Area Affected : 5%							
		Location : Home Demonstration Area							
		Explanation : Electric Radiant Floors							
	Steam Boiler	95%			2047	* *	1	\$20,200	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Unit							
Distribution									
	Steam Piping/Pump	100%			2054	* *			
Terminal Devices									
	Convactor/Radiator	100%			2039	* *	1	\$6,900	
Air Conditioning									
	Energy Source								
	Electricity	100%			2050	* *	1		
	Conversion Equipment								
	Exterior Pkg Unit - Cooling	75%			2039	* *	2	\$1,000	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Roof And Extension Roof							
		Explanation : 2 Units							
	Split Unit	5%			2039	* *			
	Window/Wall Unit	20%			2032	\$17,400	1		
Distribution									
	Ductwork/Diffusers	100%			LIFE	* *	2	\$34,900	
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$18,900	
	Exhaust Fans								
	Roof	100%			2034	\$44,600	2	\$700	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2054	* *	1		
	Water Heater With Tanks								
	Electric	100%			2033	\$50,700	4		
		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%			2028	\$700	4	\$700	
Fixtures									
	Generic	100%							

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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
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%			2054		* *	1-2	\$6,000

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FIRE ACADEMY ADMINISTRATION BLDG #9
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.080 / 131 **Yr Built/Renovated** : 1975 / 2013
Area Sq Ft : 40,432 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Floors 1,2
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$4,025,000	\$93,500
Interior Architecture	\$1,405,300	\$407,500
Electrical	\$134,800	\$542,400
Mechanical		\$76,600
Total	\$5,565,100	\$1,120,100
Importance Code A	\$4,025,000	\$93,500
Importance Code B	\$1,449,200	\$619,100
Importance Code C	\$90,900	\$407,500
Total	\$5,565,100	\$1,120,100

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture			\$100	
Interior Architecture	\$327,500			\$11,600
Electrical	\$4,000	\$7,100	\$90,100	\$3,500
Mechanical	\$19,200	\$11,900	\$24,300	\$11,300
Total	\$350,800	\$19,000	\$114,500	\$26,500
Importance Code A	\$2,000	\$2,000	\$2,200	\$2,000
Importance Code B	\$275,300	\$17,000	\$112,300	\$24,500
Importance Code C	\$73,500			
Total	\$350,800	\$19,000	\$114,500	\$26,500



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FIRE DEPARTMENT - 057
FIRE ACADEMY ADMINISTRATION BLDG #9
Asset # : 131

Architecture		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior								
Exterior Walls								
Cast in Place Concrete	30%	Now	\$327,800	LIFE	* *	5	\$93,500	
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 In South Facade								
Metal/Glass Curt Wall	30%	Now	\$923,300	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	\$80,700	2042	* *	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%			2057	* *	5	\$100	
Roof								
Metal Panel	97%	Now	\$2,405,900	2052	* *			
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%	Now	\$287,300	2052	* *			
Glazing Broken/Cracked, Extent : Severe, Area Affected : 50%								
Location : Mezzanine Stair								

Interior

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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									
Floors									
	Carpet	15%	0-2	\$193,000	2034	\$193,000	3	\$16,800	
		Worn/Eroded, Extent : Moderate, Area Affected : 20%							
		Location : Auditorium							
	Cast in Place Concrete	13%	Now	\$40,200	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%			2035	**	5	\$1,500	
	Vinyl Tile	50%			2037	**	3	\$18,600	
	Vinyl Tile	15%	Now	\$90,400	2042	**	3	\$4,200	
		Worn/Eroded, Extent : Moderate, Area Affected : 50%							
		Location : Mezzanine, Kitchen, Staff Lounge, Simulator Room							
	Wood	5%			2060	**	5	\$7,000	
Interior Walls									
	Cast in Place Concrete	5%	Now	\$45,900	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	\$22,200	2035	**	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	\$90,900	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%			2030	\$407,500	5	\$2,100	
	Glass: Single Pane	2%			LIFE	**	5	\$600	
	Gypsum Board	20%	Now	\$2,300	LIFE	**	5	\$5,000	
		Cracking/Crumbling, Extent : Light, Area Affected : 10%							
		Location : Simulator Room							
	Masonry: Brick	5%			LIFE	**			
	Metal Panel	5%	2-4	\$2,100	LIFE	**			
		Corrosion/Rusting, Extent : Light, Area Affected : 10%							
		Location : Throughout							

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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

Ceilings

AcousTileConcealSpLn 5% 2-4 \$2,900 2037 * * 5 \$2,300

Staining/Discoloring, Extent : Moderate, Area Affected : 30%
Location : Male Locker Room

AcousTileSusp.Lay-In 24% 2045 * * 5 \$17,900

Exposed Struc: Steel 70% Now \$1,224,000 LIFE * *

Corrosion/Rusting, Extent : Light, Area Affected : 30%
Location : Above Main Corridor, North Side, Stair F

Plaster 1% LIFE * * 5 \$500

Other Observation, Extent : N/A, Area Affected : 100%
Location : Chief Office
Explanation : Stucco Ceiling

Site Pavements

On-Site Walkways

Cast in Place Concrete 30% 2045 * *

Pavers/Stone 70% 2041 * *

Parking/Driveway

Asphalt 100% 2041 * *

Electrical		Current Repair			Future Replacement		Maintenance		
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% 2052 * * 5 \$100

Other Observation, Extent : Light, Area Affected : 100%
Location : Electrical Room 2
Explanation : One 2,000 Ampere Main Disconnect Switch

Fused Disc Sw 50% 2032 \$22,100 5 \$100

Other Observation, Extent : Light, Area Affected : 100%
Location : Electrical Room 1
Explanation : One 4,000 Ampere Main Disconnect Switch

Fused Disc Sw 20% 2032 \$8,800 5

Other Observation, Extent : Light, Area Affected : 100%
Location : Electrical Room 1
Explanation : One 1,200 Ampere Main Disconnect Switch Serving Building No. 7.

Transformers

Dry Type 100% 2030 \$26,100 5 \$100

Other Observation, Extent : Light, Area Affected : 100%
Location : Electrical Room 1
Explanation : 112.5 Kilovolt Ampere, 220 Volts Primary - 480/277 Volts Secondary

Switchgear / Switchboard

Fused Disc Sw 70% 2032 \$133,400 5 \$100

Molded Case Bkrs 30% 2052 * * 5 \$300

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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
Under 600 Volts									
Raceway									
	Conduit	95%			2032	\$94,300	1		
	Conduit	5%			2052	* *	1		
Panelboards									
	Fused Disc Sw	5%			2031	\$5,800	5		
	Molded Case Bkrs	85%			2031	\$99,400	5	\$900	
	Molded Case Bkrs	10%			2048	* *	5	\$100	
Wiring									
	Thermoplastic	90%			2032	\$119,300	1		
	Thermoplastic	10%			2052	* *	1		
Motor Controllers									
	Locally Mounted	10%			2045	* *	5		
	Motor Control Center	85%			2030	\$96,200	5	\$900	
	Variable Frequency Drive	5%			2045	* *			
Ground									
Grounding Devices									
	Generic	100%			LIFE	* *	5	\$600	
Stand-by Power									
Transfer Switches									
	Automatic	100%			2045	* *	1	\$12,400	
Generators									
	Diesel	100%			2041	* *	1	\$15,700	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Outside The Building								
	Explanation : One 810 Kilowatts								
Batteries									
	Lead/Acid	100%			2026	\$2,400	5	\$1,500	
Fuel Storage									
	Main Tank	100%			2060	* *	5		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Generator Room Outside								
	Explanation : One 1,382 Gallons Rated Capacity								
Lighting									
Interior Lighting									
	Fluorescent	20%			2027	\$134,800	10	\$7,400	
	T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
	Location : 1st Floor Hallways, Electrical Room								
	Fluorescent	40%			2037	* *	10	\$14,800	
	T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
	Location : 2nd Floor Offices, Conference Room								
	LED	40%			2040	* *			
Egress Lighting									
	Emergency, Service	40%			2027	\$9,700	1		
	Emergency, Service	20%			2040	* *	1		
	Exit, LED	10%			2067	* *	1		
	Exit, Service	30%			2027	\$5,100	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. 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

Lighting

Exterior Lighting

HID	10%			2027	\$18,400	10		
LED	10%			2040	**			

Other Observation, Extent : N/A, Area Affected : 100%

Location : Outside

Explanation : LED Light Fixtures

No Component	80%							
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Alarm

Fire/Smoke Detection

No Component	70%							
Generic, Analog	30%			2027	\$30,600	1-3	\$7,500	

Other Observation, Extent : Light, Area Affected : 100%

Location : Hallway, Mechanical And Electrical Room

Explanation : Alarm Bell, Manual Pull Box, Smoke Detector And Fire Alarm Panel

Mechanical	Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Heating

Energy Source

Fuel Oil No 2	100%			2042	**	5	\$12,500	
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Conversion Equipment

Hot Water Boiler	50%			2045	**	1	\$10,000	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Boiler Room

Explanation : 1 Unit

Hot Water Boiler	50%			2037	**	1	\$10,000	
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Other Observation, Extent : Moderate, Area Affected : 50%

Location : Boiler Room

Explanation : 1 Unit

Distribution

Hot Wtr Piping/Pump	100%	0-2	\$4,300	2040	**	4	\$2,000	
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Insul. Deteriorating, Extent : Severe, Area Affected : 100%

Location : Various

Terminal Devices

Air Handler	70%			2040	**	1	\$17,500	
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Convactor/Radiator	30%			2037	**	1	\$3,900	
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Air Conditioning

Energy Source

Electricity	100%			2040	**	1		
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Conversion Equipment

Reciprocating	100%			2037	**	1	\$18,800	
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Compr/Chiller

Other Observation, Extent : Light, Area Affected : 100%

Location : Courtyard

Explanation : Using 410a Refrigerant.

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. 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

Mechanical		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								
	CW & CHW Wtr Pipe/Pump	100%			2052	* *	4	\$2,000	
	Terminal Devices								
	Air Handler/Cool/Ht	100%			2037	* *	1	\$25,000	
	Heat Rejection								
	Air Cooled Condenser Unit	100%			2037	* *	2	\$28,200	
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$22,500	
	Exhaust Fans								
	Roof	100%			2032	\$76,600	2	\$1,200	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2042	* *	1		
	Water Heater With Tanks								
	Electric	100%			2030	\$23,100	4		
				Other Observation, Extent : N/A, 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%			2026	\$1,200	4	\$1,300	
				Other Observation, Extent : Light, Area Affected : 100%					
				Location : 1st Floor					
				Explanation : 1 Unit					
	Fixtures								
	Generic	100%							
Fire Suppression									
	Sprinkler								
	Generic	100%			2042	* *	1-2	\$11,300	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FIRE ACADEMY BLDG. 15
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.130 / 14944 **Yr Built/Renovated** :
Area Sq Ft : 1,620 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$400		\$6,300	\$100
Interior Architecture	\$300			\$300
Electrical				
Mechanical	\$300	\$100	\$1,000	\$100
Site Pavements	\$400			
Total	\$1,400	\$100	\$7,300	\$400
Importance Code A	\$400		\$6,300	\$100
Importance Code B	\$600	\$100	\$1,000	\$300
Importance Code C	\$400			
Total	\$1,400	\$100	\$7,300	\$400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY BLDG. 15
Asset # : 14944

Architecture		Current Repair		Future 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	95%			2052	**	10	\$1,000	
	Wood	5%			2045	**	5	\$800	
	Windows								
	Aluminum	100%			2048	**	5	\$100	
	Roof								
	Modified Bitumen	100%			2037	**	10	\$6,300	
Interior									
	Floors								
	Vinyl Tile	100%			2037	**	3	\$1,100	
	Interior Walls								
	Gypsum Board	100%			LIFE	**	5	\$1,200	
	Ceilings								
	Gypsum Board	100%			LIFE	**	5	\$2,800	
Site Enclosure									
	Fence/Gates								
	Chain Link	100%			2052	**			
Site Pavements									
	On-Site Walkways								
	Cast in Place Concrete	100%	0-2	\$400	2045	**			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%									
Location : Front 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%			2058	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Outside									
Explanation : Two 200 Ampere Main Disconnect Switches									
Transformers									
	Dry Type	100%			2049	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Outside									
Explanation : One 75 Kilovolt Ampere 208 High Voltage - 208/120 Low Voltage									
Raceway									
	Conduit	100%			2058	* *	1		
Panelboards									
	Fused Disc Sw	5%			2054	* *	5		
	Molded Case Bkrs	95%			2054	* *	5		
Wiring									
	Thermoplastic	100%			2058	* *	1		

Ground

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY BLDG. 15
Asset # : 14944

Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Ground

Grounding Devices	
Not Accessible	100%

Lighting

Interior Lighting	
Fluorescent	100%
	2040
	* *
	10
	\$1,500
<i>T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%</i>	
<i>Location : Throughout The Building</i>	

Egress Lighting	
Emergency, Battery	50%
	2040
	* *
	10
	\$200
Exit, Service	50%
	2040
	* *
	1

Exterior Lighting	
HID	20%
	2040
	* *
	10
No Component	80%

Mechanical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Heating

Energy Source	
Electricity	100%
	2052
	* *
	1
Terminal Devices	
Fan Coil Unit/Heat	100%
	2037
	* *
	1
	\$500
<i>Other Observation, Extent : Light, Area Affected : 100%</i>	
<i>Location : Throughout</i>	
<i>Explanation : Electric Heater Used In The Building</i>	

Air Conditioning

Energy Source	
Electricity	100%
	2048
	* *
	1
Conversion Equipment	
Exterior Pkg Unit - Cooling	100%
	2037
	* *
	2
	\$100
<i>Other Observation, Extent : Light, Area Affected : 100%</i>	
<i>Location : Exterior Wall</i>	
<i>Explanation : Wall Mounted Air Condition Unit At Exterior Of Building</i>	

Distribution	
Ductwork/Diffusers	100%
	LIFE
	* *
	2
	\$2,100
Heat Rejection	
Dry Cooler	100%
	2037
	* *
	2
	\$1,100

Ventilation

Distribution	
Ductwork/Diffusers	100%
	LIFE
	* *
	2-5
	\$900
Exhaust Fans	
Interior	100%
	2037
	* *
	2
	\$100

Plumbing

H/C Water Piping	
Brass/Copper	100%
	2052
	* *
	1

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY BLDG. 15
Asset # : 14944

Mechanical		Current Repair		Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
	Water Heater With Tanks							
	Electric	100%		2030	\$23,100	4		
	Sanitary Piping							
	Cast Iron	100%		LIFE	* *	1		
	Fixtures							
	Generic	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FIRE ACADEMY BLDG. 16
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.140 / 14945 **Yr Built/Renovated** :
Area Sq Ft : 1,620 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$400		\$6,300	\$100
Interior Architecture	\$300			\$300
Electrical				
Mechanical	\$300	\$100	\$1,000	\$100
Total	\$1,000	\$100	\$7,300	\$400
Importance Code A	\$400		\$6,300	\$100
Importance Code B	\$600	\$100	\$1,000	\$300
Importance Code C				
Total	\$1,000	\$100	\$7,300	\$400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY BLDG. 16
Asset # : 14945

Architecture		Current Repair		Future 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	95%			2052	* *	10	\$1,000	
	Wood	5%			2045	* *	5	\$800	
	Windows								
	Aluminum	100%			2048	* *	5	\$100	
	Roof								
	Modified Bitumen	100%			2037	* *	10	\$6,300	
Interior									
	Floors								
	Vinyl Tile	100%			2037	* *	3	\$1,100	
	Interior Walls								
	Gypsum Board	100%			LIFE	* *	5	\$1,200	
	Ceilings								
	Gypsum Board	100%			LIFE	* *	5	\$2,800	
Site Pavements									
	On-Site Walkways								
	Cast in Place Concrete	100%			2045	* *			

Electrical		Current Repair		Future Replacement		Maintenance			
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%			2058	* *	1		
	Panelboards								
	Fused Disc Sw	5%			2054	* *	5		
	Molded Case Bkrs	95%			2054	* *	5		
	Wiring								
	Thermoplastic	100%			2058	* *	1		
Lighting									
	Interior Lighting								
	Fluorescent	100%			2040	* *	10	\$1,500	
	Egress Lighting								
	Emergency, Battery	50%			2040	* *	10	\$200	
	Exit, Service	50%			2040	* *	1		
	Exterior Lighting								
	LED	20%			2040	* *			
	No Component	80%							
Alarm									
	Security System								
	No Component	80%							
	Generic	20%			2040	* *	1	\$100	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Outside									
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
FIRE ACADEMY BLDG. 16
Asset # : 14945

Mechanical		Current Repair		Future 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%			2052	**	1		
	Terminal Devices								
	Fan Coil Unit/Heat	100%			2037	**	1	\$500	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Throughout								
	Explanation : Electric Heater Used In The Building								
Air Conditioning									
	Energy Source								
	Electricity	100%			2048	**	1		
	Conversion Equipment								
	Exterior Pkg Unit - Cooling	100%			2037	**	2	\$100	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Exterior Wall								
	Explanation : Wall Mounted Aircondition Unit At Exterior Of Building								
	Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2	\$2,100	
	Heat Rejection								
	Dry Cooler	100%			2037	**	2	\$1,100	
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$900	
	Exhaust Fans								
	Interior	100%			2037	**	2	\$100	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2052	**	1		
	Water Heater With Tanks								
	Electric	100%			2030	\$23,100	4		
	Sanitary Piping								
	Cast Iron	100%			LIFE	**	1		
	Fixtures								
	Generic	100%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FIRE ACADEMY BLDG. 17
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.150 / 14946 **Yr Built/Renovated** :
Area Sq Ft : 2,124 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture		\$1,259,600
Total		\$1,259,600
Importance Code B		\$90,300
Importance Code C		\$1,169,300
Total		\$1,259,600

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$1,000		\$5,700	
Interior Architecture	\$1,800			\$3,400
Electrical				
Mechanical	\$400	\$100	\$600	\$100
Total	\$3,300	\$100	\$6,200	\$3,500
Importance Code A	\$1,000		\$5,700	
Importance Code B	\$2,200	\$100	\$600	\$500
Importance Code C				\$3,000
Total	\$3,300	\$100	\$6,200	\$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 BLDG. 17
Asset # : 14946

Architecture		Current Repair		Future 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	95%			2052	* *	10	\$2,500	
	Wood	5%			2045	* *	5	\$2,100	
	Windows								
	Aluminum	100%			2048	* *	5		
	Roof								
	Modified Bitumen	100%			2037	* *	10	\$5,700	
Interior									
	Floors								
	Vinyl Tile	100%	Now	\$1,800	2032	\$90,300	3	\$1,300	
	Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
	Location : Throughout								
	Worn/Eroded, Extent : Severe, Area Affected : 10%								
	Location : Open Classroom								
	Interior Walls								
	Fabric on Framing	100%			2033	\$1,169,300	5	\$5,900	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Interior Walls								
	Explanation : Vinyl Panels								
	Ceilings								
	Gypsum Board	100%			LIFE	* *	5	\$3,700	
Site Pavements									
	On-Site Walkways								
	Cast in Place Concrete	100%			2045	* *			

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts									
	Service Equipment								
	Fused Disc Sw	100%			2058	* *	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Outside								
	Explanation : Three 100 Ampere Main Disconnect Switches								
	Raceway								
	Conduit	100%			2058	* *	1		
	Panelboards								
	Fused Disc Sw	5%			2054	* *	5		
	Molded Case Bkrs	95%			2054	* *	5	\$100	
	Wiring								
	Thermoplastic	100%			2058	* *	1		
Ground									
	Grounding Devices								
	Not Accessible	100%							

Lighting

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY BLDG. 17
Asset # : 14946

Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Lighting

Interior Lighting	Fluorescent	100%			2040	* *	10	\$1,900	
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T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%
Location : Throughout The Building

Egress Lighting	Emergency, Battery	50%			2040	* *	10	\$300	
	Exit, Service	50%			2040	* *	1		

Exterior Lighting	LED	20%			2040	* *			
	No Component	80%							

Mechanical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Heating

Energy Source	Electricity	100%			2052	* *	1		
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Terminal Devices	Fan Coil Unit/Heat	100%			2037	* *	1	\$700	
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Other Observation, Extent : Light, Area Affected : 100%
Location : Throughout
Explanation : Electric Heater Used In The Building

Air Conditioning

Energy Source	Electricity	100%			2048	* *	1		
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Conversion Equipment	Exterior Pkg Unit - Cooling	100%			2037	* *	2	\$100	
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Other Observation, Extent : Light, Area Affected : 100%
Location : Exterior Of Building
Explanation : Wall Mounted Air Condition Unit At Exterior Of Building

Heat Rejection	Dry Cooler	100%			2037	* *	2	\$1,500	
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Ventilation

Distribution	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$1,200	
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Exhaust Fans	Interior	100%			2037	* *	2	\$100	
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Plumbing

H/C Water Piping	Brass/Copper	100%			2052	* *	1		
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Water Heater With Tanks	Electric	100%			2030	\$23,100	4		
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Sanitary Piping	Cast Iron	100%			LIFE	* *	1		
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY BLDG. 17
Asset # : 14946

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
Fixtures									
Generic		100%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FIRE ACADEMY BURN BUILDING #5
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.013 / 13554 **Yr Built/Renovated** : 2003 /
Area Sq Ft : 6,083 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 1819 **Lot** : 40 **BIN** : 1085912

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Electrical		\$88,600
Total		\$88,600
Importance Code B		\$88,600
Total		\$88,600

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture			\$8,400	\$1,500
Interior Architecture				
Electrical	\$100			
Mechanical	\$100		\$100	
Total	\$100		\$8,500	\$1,500
Importance Code A			\$8,400	\$1,500
Importance Code B	\$100		\$100	
Importance Code C				
Total	\$100		\$8,500	\$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
FIRE ACADEMY BURN BUILDING #5
Asset # : 13554

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Exterior

Exterior Walls

Cast in Place Concrete	5%			LIFE	**	5	\$4,100
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Entire Building**Explanation : 2 Story Building, No Basement. This Is A Fire Demonstration Building. No Repair Needed.*

Masonry: Brick	95%			LIFE	**	5	\$15,400
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Windows

Metal Louvers	50%			2041	**	10	\$1,500
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Steel	50%			2048	**	5	\$3,000
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Parapets

Not Accessible	100%						
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Roof

Modified Bitumen	100%			2037	**	10	\$8,400
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Interior

Floors

Cast in Place Concrete	100%			LIFE	**	5	\$19,900
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Interior Walls

Cast in Place Concrete	20%			LIFE	**		
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Concrete Masonry Unit	80%			LIFE	**	5	\$2,500
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Ceilings

Exposed Struc: Concrete	100%			LIFE	**	5	\$1,400
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2042	**	5	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside**Explanation : One 200 Ampere Main Disconnect Switch*

Raceway

Conduit	100%			2042	**	1	
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Panelboards

Fused Disc Sw	5%			2040	**	5	
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Molded Case Bkrs	95%			2040	**	5	\$200
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Wiring

Thermoplastic	100%			2042	**	1	
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Lighting

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.*

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY BURN BUILDING #5
Asset # : 13554

Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Lighting

Interior Lighting

Fluorescent

90%

2032

\$79,700

10

\$5,000

*Compact Fluorescent Light, Extent : Light, Area Affected : 100%**Location : Throughout The Building*

Fluorescent

10%

2032

\$8,900

10

\$600

*T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%**Location : Electrical Room*

Exterior Lighting

HID

20%

2032

\$5,500

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

Air Conditioning

Energy Source

Electricity

20%

2048

* *

1

No Component

80%

Ventilation

Exhaust Fans

Roof

100%

2037

* *

2

\$200

Plumbing

H/C Water Piping

Galvanized Steel

10%

2045

* *

1

*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%

2052

* *

1-5

\$300

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.*

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FIRE ACADEMY CLASSROOM BLDG. #11
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.011 / 13552 **Yr Built/Renovated** : 2003 /
Area Sq Ft : 39,768 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Floors 1,2,3,4
Block : 1819 **Lot** : 40 **BIN** : 1085910

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$59,700	\$122,800
Electrical		\$492,100
Mechanical	\$75,400	\$426,900
Total	\$135,000	\$1,041,800
Importance Code A	\$59,700	\$122,800
Importance Code B	\$75,400	\$919,100
Total	\$135,000	\$1,041,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$48,000		\$65,800	
Interior Architecture	\$22,500	\$4,500	\$2,200	\$6,300
Electrical	\$2,700	\$2,400	\$3,200	\$2,200
Mechanical	\$10,800	\$6,200	\$20,100	\$7,200
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$88,100	\$17,000	\$95,300	\$19,600
Importance Code A	\$50,000	\$2,000	\$68,300	\$2,000
Importance Code B	\$38,100	\$15,000	\$27,000	\$17,700
Importance Code C				
Total	\$88,100	\$17,000	\$95,300	\$19,600



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 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	\$59,700	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%			2052	* *	5-10	\$168,800	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Connector From Building 9 To 11 And At Mechanical Penthouse								
	Explanation : Corrugated Metal Panel								
	Window Wall	15%			2052	* *	5	\$39,500	
Windows									
	Aluminum	95%	Now	\$11,800	2048	* *	5	\$6,300	
	Broken/Missing Elements, Extent : Severe, Area Affected : 2%								
	Location : 2nd Floor Stair Landing. South Facade								
	Metal Louvers	5%			2041	* *	10	\$4,200	
Parapets									
	Concrete Masonry Unit	82%			LIFE	* *	5	\$7,300	
	Metal Panel	5%	0-2	\$600	2052	* *	5	\$800	
	Seams Open/Split, Extent : Moderate, Area Affected : 25%								
	Location : Coping Cap								
	Metal Rail	5%	2-4	\$1,300	2045	* *	5	\$2,800	
	Deteriorated Finish, Extent : Moderate, Area Affected : 50%								
	Location : Guardrail At Roof								
	Pre-Cast Concrete	8%			LIFE	* *	5	\$3,900	
Roof									
	IRMA/Protected Membrane	100%	Now	\$34,300	2037	* *			
	Broken Paver Blocks, Extent : Moderate, Area Affected : 40%								
	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 : 35%								
	Location : Rooftop Walkways								
	Water Penetration, Extent : Severe, Area Affected : 10%								
	Location : Lower Roof On North West Corner Of Building. Above New Cafeteria								

Interior

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY CLASSROOM BLDG. #11
Asset # : 13552

Architecture		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Interior

Floors

Carpet	5%			2031		\$51,400	3	\$6,000	
Cast in Place Concrete	10%			LIFE		**	5	\$13,000	
Ceramic Tile	15%			2041		**	5	\$8,900	
Sheet Vinyl/Rubber	5%			2037		**	5	\$4,500	

Other Observation, Extent : N/A, Area Affected : 100%

Location : 3rd Floor

Explanation : Gymnasium Floor

Vinyl Tile	65%			2037		**	3	\$19,300	
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Interior Walls

Concrete Masonry Unit	45%			LIFE		**	5	\$5,800	
Gypsum Board	35%			LIFE		**	5	\$6,800	
Masonry: Brick	13%			LIFE		**			

Other Observation, Extent : Light, Area Affected : 100%

Location : Throughout

Explanation : Component Is Actually A Veneer

Metal Panel	7%			LIFE		**			
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AcousTileSusp.Lay-In	35%			2045		**	5	\$20,900	
Exposed Struc: Steel	50%			LIFE		**			
Metal Panel	15%	Now	\$5,800	LIFE		**	5	\$11,200	

Water Penetration, Extent : Severe, Area Affected : 5%

Location : Drop Soffit At North West Corner Of New Cafeteria

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%			2045		**			
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Parking/Driveway

Asphalt	100%			2041		**			
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Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts

Service Equipment

Molded Case Bkrs	100%			2042		**	5	\$1,000	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room

Explanation : One 1,200 Ampere Main Disconnect Switch

Switchgear / Switchboard

Molded Case Bkrs	100%			2042		**	5	\$1,000	
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Raceway

Conduit	100%			2042		**	1		
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Panelboards

Fused Disc Sw	5%			2040		**	5		
Molded Case Bkrs	95%			2040		**	5	\$1,000	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY CLASSROOM BLDG. #11
Asset # : 13552

Electrical		Current Repair		Future 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%			2042	* *	1		
Motor Controllers									
	Locally Mounted	10%			2037	* *	5		
	Variable Frequency Drive	90%			2037	* *			
Ground									
Grounding Devices									
	Generic	100%			LIFE	* *	5	\$600	
Stand-by Power									
Transfer Switches									
	Automatic	100%			2037	* *	1	\$12,200	
Lighting									
Interior Lighting									
	Fluorescent	85%			2032	\$492,100	10	\$31,000	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Throughout The Building									
Explanation : T-8 Lamps									
	LED	15%			2040	* *			
Egress Lighting									
	Emergency, Service	50%			2032	\$12,000	1		
	Emergency, Battery	10%			2032	\$6,500	10	\$1,000	
	Exit, LED	40%			2047	* *	1		
Exterior Lighting									
	HID	10%			2032	\$18,100	10		
	LED	10%			2040	* *			
	No Component	80%							
Alarm									
Security System									
	No Component	80%							
	Generic	10%			2032	\$7,300	1	\$1,500	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Outside									
Explanation : CCTV Surveillance Cameras									
	Generic	10%			2032	\$7,300	1	\$1,500	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Hallways And Exit Doors									
Explanation : Intrusion Alarm And Motion Sensor									
Fire/Smoke Detection									
	No Component	70%							
	Generic, Digital	30%			2032	\$30,100	1-3	\$7,300	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Throughout The Building									
Explanation : Strobe Lights, Horns, Manual Pull Stations, Smoke Detectors And Alarm Bells									

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY CLASSROOM BLDG. #11
Asset # : 13552

Mechanical		Current Repair		Future Replacement		Maintenance			
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%			2052	* *	5	\$12,300	
	Conversion Equipment								
	Hot Water Boiler	100%			2045	* *	1	\$19,700	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Boiler Room								
	Explanation : Two Units Which Are Serving Adjacent Building No.12 As Well.								
	Distribution								
	Hot Wtr Piping/Pump	100%			2048	* *	4	\$2,000	
	Terminal Devices								
	Air Handler	70%			2037	* *	1	\$17,200	
	Convactor/Radiator	20%			2045	* *	1	\$2,600	
	Fan Coil Unit/Heat	10%			2037	* *	1	\$1,300	
Air Conditioning									
	Energy Source								
	Electricity	100%			2048	* *	1		
	Conversion Equipment								
	Exterior Pkg Unit - Cooling	80%			2032	\$340,700	2	\$2,000	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Roof								
	Explanation : R-22								
	Window/Wall Unit	5%			2030	\$7,400	1		
	No Component	15%							
	Heat Rejection								
	Air Cooled Condenser Unit	100%			2037	* *	2	\$27,700	
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$22,200	
	Exhaust Fans								
	Roof	100%			2027	\$75,400	2	\$1,200	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2052	* *	1		
	Water Heater With Tanks								
	Oil Fired	100%			2030	\$86,200	1		
	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		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY CLASSROOM BLDG. #11
Asset # : 13552

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	Backflow Preventer								
	Generic	100%			2037	* *	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%			2052	* *	1-2	\$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.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FIRE ACADEMY FIRE SIMULATOR BLDG #2
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.010 / 1857 **Yr Built/Renovated** : 1975 /
Area Sq Ft : 6,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Floors 1
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$2,400			
Interior Architecture				
Electrical		\$100	\$5,500	
Mechanical			\$500	
Total	\$2,400	\$100	\$6,000	
Importance Code A	\$2,400			
Importance Code B		\$100	\$5,900	
Importance Code C				
Total	\$2,400	\$100	\$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.

FIRE DEPARTMENT - 057
FIRE ACADEMY FIRE SIMULATOR BLDG #2
Asset # : 1857

Architecture		Current Repair		Future 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	\$13,700	
Other Observation, Extent : N/A, Area Affected : 100%								
Location : On Site								
Explanation : Training Building								
Metal Sect. OHD	10%			2045	* *	5	\$4,800	
Windows								
Aluminum	5%			2048	* *	5		
No Component	95%							
Parapets								
Masonry: Brick	100%			LIFE	* *	5	\$2,900	
Roof								
Not Accessible	100%							
Interior								
Floors								
Cast in Place Concrete	100%			LIFE	* *	5	\$18,800	
Interior Walls								
Concrete Masonry Unit	100%			LIFE	* *	5	\$2,600	
Ceilings								
Exposed Struc: Concrete	100%			LIFE	* *	5	\$1,300	
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2045	* *			
Electrical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2032	\$3,700	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : One 200 Ampere Main Disconnect Switch								
Raceway								
Conduit	100%			2032	\$4,300	1		
Panelboards								
Molded Case Bkrs	100%			2031	\$9,700	5	\$200	
Wiring								
Thermoplastic	100%			2032	\$8,800	1		
Lighting								
Exterior Lighting								
HID	20%			2027	\$5,500	10		
No Component	80%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY FIRE SIMULATOR BLDG #2
Asset # : 1857

Mechanical		Current Repair		Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation								
Distribution								
	Ductwork/Diffusers	100%		LIFE	* *	2-5	\$3,300	
Exhaust Fans								
	Roof	100%		2032	\$11,400	2	\$200	
Plumbing								
H/C Water Piping								
	Brass/Copper	100%		2042	* *	1		
Storm Drain Piping								
	Cast Iron	100%		LIFE	* *	1		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FIRE ACADEMY FIRE SIMULATOR BLDG #4
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.030 / 1832 **Yr Built/Renovated** : 1975 /
Area Sq Ft : 4,320 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture				\$100
Interior Architecture				
Electrical		\$100	\$3,900	
Total		\$100	\$3,900	\$100
Importance Code A				\$100
Importance Code B		\$100	\$3,900	
Importance Code C				
Total		\$100	\$3,900	\$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 FIRE SIMULATOR BLDG #4
Asset # : 1832

Architecture		Current Repair			Future 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	\$39,000	
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Windows

Aluminum	5%			2048		**	5	\$100	
No Component	95%								

Parapets

Not Accessible	100%								
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Roof

Not Accessible	100%								
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Interior

Floors

Cast in Place Concrete	100%			LIFE		**	5	\$43,700	
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Interior Walls

Concrete Masonry Unit	100%			LIFE		**	5	\$11,000	
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Ceilings

Exposed Struc: Concrete	100%			LIFE		**	5	\$3,100	
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Site Pavements

On-Site Walkways

Cast in Place Concrete	100%			2045		**			
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Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2032		\$3,700	5		
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*Other Observation, Extent : Light, Area Affected : 100%**Location : First Floor**Explanation : One 200 Ampere Main Disconnect Switch*

Raceway

Conduit	100%			2032		\$4,300	1		
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Panelboards

Molded Case Bkrs	100%			2031		\$9,700	5	\$100	
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Wiring

Thermoplastic	100%			2032		\$8,800	1		
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Lighting

Exterior Lighting

HID	20%			2027		\$3,900	10		
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No Component	80%								
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Mechanical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Plumbing

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY FIRE SIMULATOR BLDG #4
Asset # : 1832

Mechanical		Current Repair		Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
	H/C Water Piping Brass/Copper	100%		2052	* *	1		
	Sanitary Piping Cast Iron	100%		LIFE	* *	1		
	Fixtures Generic	100%						

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FIRE ACADEMY FIRE TRAINING BLDG #3
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.020 / 1989 **Yr Built/Renovated** : 1975 /
Area Sq Ft : 4,150 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Floors 1
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture			\$2,500	
Interior Architecture				
Electrical		\$100		
Mechanical			\$100	
Total		\$100	\$2,600	
Importance Code A			\$2,500	
Importance Code B		\$100	\$100	
Importance Code C				
Total		\$100	\$2,600	



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY FIRE TRAINING BLDG #3
Asset # : 1989

Architecture		Current Repair		Future Replacement		Maintenance		
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 : Training Apparatus For The Fire Department								
Metal Coiling Doors	10%			2037	* *	5	\$5,000	
Windows								
Aluminum	5%			2040	* *	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout								
Explanation : Training Apparatus For The Fire Department								
No Component	95%							
Parapets								
Masonry: Brick	100%			LIFE	* *	5	\$500	
Roof								
Not Accessible	100%							
Interior								
Floors								
Cast in Place Concrete	100%			LIFE	* *	5	\$13,300	
Interior Walls								
Concrete Masonry Unit	100%			LIFE	* *	5	\$4,700	
Ceilings								
Exposed Struc: Concrete	100%			LIFE	* *	5	\$1,300	
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2045	* *			
Electrical								
Electrical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts								
Service Equipment								
Fused Disc Sw	100%			2032	\$3,700	5		
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside								
Explanation : One 200 Ampere Main Disconnect Switch								
Raceway								
Conduit	100%			2032	\$4,300	1		
Panelboards								
Molded Case Bkrs	100%			2031	\$9,700	5	\$100	
Wiring								
Thermoplastic	100%			2032	\$8,800	1		
Lighting								
Exterior Lighting								
HID	20%			2032	\$3,800	10		
No Component	80%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY FIRE TRAINING BLDG #3
Asset # : 1989

Mechanical		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%			2037	* *	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%			2042	* *	1-5	\$200	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FIRE ACADEMY FIRST LINE SUPERVISORS BLDG #8
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.070 / 1992 **Yr Built/Renovated** : 1975 / 2008
Area Sq Ft : 9,594 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$289,100	
Electrical		\$153,800
Total	\$289,100	\$153,800
Importance Code A	\$289,100	
Importance Code B		\$153,800
Total	\$289,100	\$153,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$27,500			
Interior Architecture	\$21,800	\$500	\$500	\$900
Electrical	\$300	\$400	\$11,400	\$300
Mechanical	\$1,800	\$900	\$31,500	\$1,200
Site Pavements	\$500			
Total	\$51,900	\$1,800	\$43,300	\$2,400
Importance Code A	\$28,000	\$500	\$500	\$500
Importance Code B	\$23,500	\$1,100	\$42,800	\$1,900
Importance Code C	\$500	\$200		
Total	\$51,900	\$1,800	\$43,300	\$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
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	\$148,400	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 Penetrations 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	\$17,700	2037	* *	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	\$5,200	2040	* *	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%			2040	* *	5	\$200	
	Other Observation, Extent : Light, Area Affected : 100% Location : Ground Floor Explanation : Protective Metal Grilles								
Parapets									
	Masonry: Brick Cavity	90%	0-2	\$3,700	LIFE	* *	5	\$1,900	
	Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15% Location : Various Locations. Exterior Parapet Wall								
	Pre-Cast Concrete	10%	Now	\$800	LIFE	* *	5	\$1,300	
	Caulking Deteriorated, Extent : Severe, Area Affected : 15% Location : Lower Roof Copings								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY FIRST LINE SUPERVISORS BLDG #8
Asset # : 1992

Architecture		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	
Exterior									
Roof									
Modified Bitumen	100%	Now	\$140,800	2042	**			1	
Blisters, Extent : Severe, Area Affected : 25%									
Location : Various Locations Throughout									
Miss/Damaged Flashings, Extent : Severe, Area Affected : 15%									
Location : Perimeter Flashing, Lower Roof									
Ponding, Extent : Moderate, Area Affected : 30%									
Location : Upper And Lower Roofs									
Seams Open/Split, Extent : Severe, Area Affected : 25%									
Location : Various Locations Throughout									
Water Penetration, Extent : Severe, Area Affected : 10%									
Location : 2nd Floor Bathroom And First Floor Room 1									
Worn/Eroded, Extent : Severe, Area Affected : 50%									
Location : Upper And Lower Roofs									
Interior									
Floors									
Cast in Place Concrete	30%	0-2	\$6,000	LIFE	**	5	\$8,000		
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%									
Location : Thresholds Below Overhead Doors And Apparatus Floor									
Ceramic Tile	5%			2041	**	5	\$600		
Quarry Tile	5%			2037	**	5	\$900		
Vinyl Tile	60%	Now	\$3,900	2037	**	3	\$2,700		
Cracking/Crumbling, Extent : Severe, Area Affected : 10%									
Location : Locker Room									
Uneven Substrate, Extent : Severe, Area Affected : 15%									
Location : 1st Floor, Locker Rooms And Offices									
Interior Walls									
Ceramic Tile	5%			2041	**	5	\$400		
Concrete Masonry Unit	60%			LIFE	**	5	\$1,900		
Gypsum Board	15%			LIFE	**	5	\$700		
SGFT/Glazed Masonry	20%			LIFE	**				
Ceilings									
AcousTileSusp.Lay-In	60%	Now	\$11,800	2045	**	5	\$3,600		
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 : Severe, Area Affected : 10%									
Location : Room 1, 2nd Floor Bathroom, Storage Rooms									
Exposed Struc: Steel	25%			LIFE	**				
Gypsum Board	15%			LIFE	**	5	\$2,300		
Site Enclosure									
Fence/Gates									
Chain Link	100%			2052	**				
Site Pavements									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY FIRST LINE SUPERVISORS BLDG #8
Asset # : 1992

Architecture		Current Repair		Future Replacement		Maintenance		
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 \$500 2045 * *

Cracking/Crumbling, Extent : Light, Area Affected : 15%

Location : Apron At Overhead Doors, Ramp

Parking/Driveway

Asphalt 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% 2032 \$7,400 5

Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room

Explanation : Two 400 Ampere Main Disconnect Switches

Raceway

Conduit 100% 2032 \$15,800 1

Panelboards

Fused Disc Sw 10% 2031 \$2,900 5

Molded Case Bkrs 90% 2031 \$26,300 5 \$200

Wiring

Thermoplastic 100% 2032 \$20,900 1

Motor Controllers

Locally Mounted 100% 2030 \$70,000 5 \$100

Ground

Grounding Devices

Generic 100% LIFE * * 5 \$100

Stand-by Power

Transfer Switches

Automatic 100% 2030 \$26,200 1 \$3,000

Lighting

Interior Lighting

Fluorescent 60% 2032 \$83,800 10 \$5,300

T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%

Location : Second Floor And Staircases

LED 40% 2040 * *

Egress Lighting

Emergency, Battery 50% 2027 \$7,900 10 \$1,200

Exit, Service 50% 2027 \$2,000 1

Exterior Lighting

LED 20% 2040 * *

No Component 80%

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.*

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY 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
Heating									
	Energy Source								
	Fuel Oil No 2	100%			2042	**	5	\$3,000	
	Conversion Equipment								
	Hot Water Boiler	100%			2037	**	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%			2040	**	4	\$500	
	Terminal Devices								
	Air Handler	20%			2032	\$35,300	1	\$1,200	
	Convactor/Radiator	70%			2037	**	1	\$2,200	
	Unit Heater - Steam	10%			2032	\$5,300	4	\$100	
Air Conditioning									
	Energy Source								
	Electricity	100%			2040	**	1		
	Conversion Equipment								
	Window/Wall Unit	80%			2027	\$28,400	1		
	No Component	20%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$5,400	
	Exhaust Fans								
	Roof	20%			2032	\$3,600	2	\$100	
	No Component	80%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2042	**	1		
	Sanitary Piping								
	Cast Iron	100%			LIFE	**	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	**	1		
	Sewage Ejector(s)								
	Electric	100%	Now	\$1,000	2037	**	4	\$400	
	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%			2042	**	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FIRE ACADEMY LIBRARY - BLDG. #13
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.120 / 14099 **Yr Built/Renovated** : 1975 /
Area Sq Ft : 3,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$37,500			\$400
Interior Architecture	\$7,700	\$500		\$400
Electrical			\$2,900	\$100
Mechanical	\$400	\$100	\$500	\$100
Total	\$45,700	\$600	\$3,400	\$1,000
Importance Code A	\$37,500			\$400
Importance Code B	\$4,000	\$200	\$3,400	\$600
Importance Code C	\$4,100	\$400		
Total	\$45,700	\$600	\$3,400	\$1,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY LIBRARY - BLDG. #13
Asset # : 14099

Architecture		Current Repair		Future 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	98%	Now	\$36,500	LIFE	* *	5	\$4,400	
	Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%							
	Location : All Facades							
	Staining/Discoloring, Extent : Moderate, Area Affected : 10%							
	Location : Facades							
	Water Penetration, Extent : Severe, Area Affected : 5%							
	Location : Various Locations In All Facades, Base Of Building							
Glass Block	2%	Now	\$300	LIFE	* *	5	\$100	
	Water Penetration, Extent : Severe, Area Affected : 5%							
	Location : Library Area							
Windows								
Aluminum	100%			2048	* *	5	\$800	
Parapets								
Not Accessible	100%							
Roof								
Skylight, Metal/Glass	7%			2052	* *	10	\$1,700	
Sloped Glazing	3%	Now	\$700	LIFE	* *	5	\$3,000	
	Water Penetration, Extent : Severe, Area Affected : 2%							
	Location : Entrance Foyer							
Not Accessible	90%							
Interior								
Floors								
Carpet	5%	2-4	\$100	2031	\$3,400	3	\$300	
	Staining/Discoloring, Extent : Moderate, Area Affected : 5%							
	Location : Office							
Ceramic Tile	5%			2041	* *	5	\$200	
Slate	20%			LIFE	* *	5	\$800	
Vinyl Tile	70%			2037	* *	3	\$1,400	
Interior Walls								
Ceramic Tile	5%			2041	* *	5	\$800	
Gypsum Board	95%	Now	\$4,100	LIFE	* *	5	\$9,000	
	Water Penetration, Extent : Moderate, Area Affected : 10%							
	Location : Around Windows In Library							
Ceilings								
AcousTileSusp.Lay-In	100%	Now	\$3,200	2045	* *	5	\$2,000	
	Staining/Discoloring, Extent : Moderate, Area Affected : 5%							
	Location : Toilets, Library Area, Mechanical Room							
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2045	* *			

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY LIBRARY - BLDG. #13
Asset # : 14099

Electrical		Current Repair		Future Replacement		Maintenance			
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%			2052	**	1		
	Panelboards								
	Fused Disc Sw	5%			2048	**	5		
	Molded Case Bkrs	95%			2048	**	5	\$100	
	Wiring								
	Thermoplastic	100%			2052	**	1		
	Motor Controllers								
	Locally Mounted	100%			2045	**	5		
Lighting									
	Interior Lighting								
	Fluorescent	90%			2037	**	10	\$2,500	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Throughout The Building							
	LED	10%			2037	**			
	Egress Lighting								
	Emergency, Battery	50%			2037	**	10	\$400	
	Exit, Service	50%			2037	**	1		
	Exterior Lighting								
	Fluorescent	20%			2037	**	10	\$100	
		Compact Fluorescent Light, Extent : Light, Area Affected : 100%							
		Location : Exterior Wall Perimeter							
	No Component	80%							
Alarm									
	Security System								
	No Component	80%							
	Generic	20%			2037	**	1	\$200	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Meeting Room, Hallway And Exit Doors							
		Explanation : Intrusion Alarm And Motion Sensor							

Mechanical		Current Repair		Future 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%			2052	* *	1		
Terminal Devices									
	Fan Coil Unit/Heat	100%			2037	* *	1	\$1,000	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Throughout									
Explanation : Baseboard Electric Heater Used In Building									
Air Conditioning									
	Energy Source								
	Electricity	100%			2048	* *	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY LIBRARY - BLDG. #13
Asset # : 14099

Mechanical		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	100%			2033	\$46,300	2	\$200	
Terminal Devices								
Air Handler/Dir Expansion	60%			2037	* *	1		
No Component	40%							
Heat Rejection								
Air Cooled Condenser Unit	60%			2037	* *	2	\$1,300	
No Component	40%							
Ventilation								
Distribution								
Ductwork/Diffusers	60%			LIFE	* *	2-5	\$1,000	
No Component	40%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2052	* *	1		
Water Heater With Tanks								
Electric	100%			2030	\$23,100	4		
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FIRE ACADEMY MAINTENANCE AND STORAGE BLDG. 10
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.090 / 1833 **Yr Built/Renovated** : 1983 /
Area Sq Ft : 4,800 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,Mez
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$1,100		\$18,600	
Interior Architecture	\$4,200			
Electrical			\$30,700	
Mechanical	\$900	\$200	\$2,100	\$400
Site Pavements	\$2,100			
Total	\$8,300	\$300	\$51,400	\$400
Importance Code A	\$1,300	\$200	\$18,800	\$300
Importance Code B	\$4,400		\$32,500	\$100
Importance Code C	\$2,600			
Total	\$8,300	\$300	\$51,400	\$400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY MAINTENANCE AND STORAGE BLDG. 10
Asset # : 1833

Architecture		Current Repair			Future 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%			2052	* *	1		
	Metal Sect. OHD	5%			2045	* *	5	\$2,200	
	Windows								
	Metal Clad	2%			2048	* *	5		
	No Component	98%							
	Roof								
	Built-Up (BUR)	100%			2037	* *	10	\$18,600	
Interior									
	Floors								
	Cast in Place Concrete	60%			LIFE	* *	5	\$10,700	
	Ceramic Tile	2%	Now	\$3,600	2047	* *	5	\$100	
	Cracking/Crumbling, Extent : Severe, Area Affected : 50%								
	Location : Toilet Room								
	Caulking Deteriorated, Extent : Severe, Area Affected : 10%								
	Location : Toilet Room								
	Steel Grating	35%			2052	* *	1		
	Vinyl Tile	3%			2037	* *	3	\$100	
	Interior Walls								
	Concrete Masonry Unit	5%			LIFE	* *	5	\$300	
	Gypsum Board	5%	Now	\$500	LIFE	* *	5	\$500	
	Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
	Location : Interior Wall At Perimeter								
	No Component	90%							
	Ceilings								
	Gypsum Board	100%			LIFE	* *	5	\$11,900	
Site Pavements									
	On-Site Walkways								
	Cast in Place Concrete	100%	Now	\$2,100	2045	* *			
	Cracking/Crumbling, Extent : Severe, Area Affected : 25%								
	Location : Rear Of Building								
	Parking/Driveway								
	Asphalt	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%			2032	\$3,700	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : First Floor							
		Explanation : One 200 Ampere Main Disconnect Switch							
<hr/>									
	Raceway								
	Conduit	80%			2032	\$3,500	1		
	Conduit	20%			2042	* *	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY MAINTENANCE AND STORAGE BLDG. 10
Asset # : 1833

Electrical		Current Repair		Future Replacement		Maintenance		
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	1%			2040	* *	5		
Fused Disc Sw	4%			2040	* *	5		
Molded Case Bkrs	20%			2040	* *	5		
Molded Case Bkrs	75%			2031	\$7,300	5	\$100	
Wiring								
Thermoplastic	80%			2032	\$7,100	1		
Thermoplastic	20%			2042	* *	1		
Motor Controllers								
Locally Mounted	100%			2030	\$11,200	5		
Ground								
Grounding Devices								
Generic	100%			LIFE	* *	5	\$100	
Stand-by Power								
Transfer Switches								
Manual	100%			2032	\$10,600	5		
Lighting								
Interior Lighting								
Fluorescent	30%			2032	\$10,000	10	\$1,300	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : Second Floor								
Fluorescent	70%			2027	\$23,200	10	\$3,100	
T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
Location : First And Second Floor								
Exterior Lighting								
HID	20%			2027	\$4,400	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								
	Fuel Oil	100%			2052	* *	5	\$1,500	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : 1st Floor								
	Explanation : 500 Gallon Oil								
	Conversion Equipment								
	Hot Water Boiler	100%			2045	* *	1	\$2,400	
	Distribution								
	Hot Wtr Piping/Pump	100%			2048	* *	4	\$200	
Air Conditioning									
	Energy Source								
	Electricity	100%			2048	* *	1		

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY MAINTENANCE AND STORAGE BLDG. 10
Asset # : 1833

Mechanical		Current Repair		Future Replacement		Maintenance			
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	80%			2037	* *			
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : 1st Floor							
		Explanation : 2 Units							
	Window/Wall Unit	20%			2030	\$3,600	1		
Heat Rejection									
	Air Cooled Condenser Unit	100%			2037	* *	2	\$3,300	
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$2,700	
Exhaust Fans									
	Roof	100%			2037	* *	2	\$100	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2052	* *	1		
Water Heater With Tanks									
	Electric	100%			2030	\$23,100	4		
Sanitary Piping									
	Cast Iron	100%			LIFE	* *	1		
Storm Drain Piping									
	Cast Iron	100%			LIFE	* *	1		
Fixtures									
	Generic	100%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FIRE ACADEMY MASK SERVICE UNIT BLDG #7
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.060 / 1991 **Yr Built/Renovated** : 1975 / 2004
Area Sq Ft : 10,534 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$59,400	\$116,000
Electrical		\$313,900
Mechanical	\$127,500	\$109,300
Total	\$186,900	\$539,200
Importance Code A		\$109,300
Importance Code B	\$186,900	\$429,800
Total	\$186,900	\$539,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$15,900		\$600	
Interior Architecture	\$21,800	\$600		\$500
Electrical	\$400	\$400	\$500	\$300
Mechanical	\$1,000	\$1,100	\$23,700	\$1,400
Total	\$39,100	\$2,100	\$24,700	\$2,200
Importance Code A	\$16,400	\$500	\$1,100	\$500
Importance Code B	\$9,100	\$1,300	\$23,600	\$1,700
Importance Code C	\$13,600	\$300		
Total	\$39,100	\$2,100	\$24,700	\$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
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	54%			LIFE	**	5	\$5,500	
Masonry: Brick Cavity	20%	0-2	\$8,700	LIFE	**	5	\$2,000	
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, Corrugated	8%			2052	**	1		
Metal Sect. OHD	15%			2045	**	5	\$4,800	
Window Wall	3%			2052	**	5	\$1,200	
Windows								
Aluminum	65%	Now	\$500	2057	**	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%			2048	**	5		
Parapets								
Masonry: Brick Cavity	60%			LIFE	**	5	\$300	
Masonry: Brick Cavity	25%	Now	\$600	LIFE	**	5	\$100	
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%								
Location : Rear Of Building 1 Story Structure								
Pre-Cast Concrete	10%			LIFE	**	5	\$300	
Pre-Cast Concrete	5%			LIFE	**	5	\$200	
Roof								
Built-Up (BUR)	30%			2032	\$33,500	10	\$2,900	
Other Observation, Extent : N/A, Area Affected : 5%								
Location : Rear Yard								
Explanation : Wood Deck								
Modified Bitumen	70%	Now	\$3,700	2037	**			
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Shed Roof Into Electrical Room Below								
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	**	5	\$11,800	
Ceramic Tile	5%			2041	**	5	\$500	
Quarry Tile	5%			2045	**	5	\$800	
Vinyl Tile	40%	Now	\$5,800	2032	\$116,000	3	\$1,600	
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%			2041	**	5	\$600	
Concrete Masonry Unit	42%			LIFE	**	5	\$3,200	
Gypsum Board	15%			LIFE	**	5	\$1,700	
SGFT/Glazed Masonry	40%	Now	\$13,600	LIFE	**			

Cracking/Crumbling, Extent : Moderate, Area Affected : 5%

Location : Apparatus Room

Ceilings

AcousTileSusp.Lay-In	40%			2045	**	5	\$4,000	
Exposed Struc: Steel	50%	0-2	\$59,400	LIFE	**			

Paint Peeling, Extent : Moderate, Area Affected : 50%

Location : Throughout Ceiling Of Original Building

Water Penetration, Extent : Severe, Area Affected : 5%

Location : Electrical Room

Gypsum Board	10%			LIFE	**	5	\$1,300	
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Site Pavements

Parking/Driveway

Asphalt	100%			2035	**			
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Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2042	**	5		
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Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room

Explanation : Two 400 Ampere Main Disconnect Switches

Switchgear / Switchboard

Molded Case Bkrs	100%			2032		\$105,800	5	\$300	
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Raceway

Conduit	90%			2032		\$22,600	1		
Conduit	10%			2058	**		1		

Panelboards

Fused Disc Sw	6%			2031		\$2,300	5		
Fused Disc Sw	4%			2054	**		5		
Molded Case Bkrs	65%			2031		\$25,300	5	\$200	
Molded Case Bkrs	25%			2054	**		5	\$100	

Wiring

Thermoplastic	75%			2032		\$21,000	1		
Thermoplastic	25%			2058	**		1		

Motor Controllers

Locally Mounted	100%			2030		\$70,000	5	\$100	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$200		
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY MASK SERVICE UNIT BLDG #7
Asset # : 1991

Electrical		Current Repair		Future Replacement		Maintenance			
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%			2037	* *	1	\$3,200	
Lighting									
	Interior Lighting								
	Fluorescent	86%			2032	\$131,900	10	\$8,300	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Throughout The Building							
	Fluorescent	4%			2032	\$6,100	10	\$400	
		Compact Fluorescent Light, Extent : Light, Area Affected : 100%							
		Location : Hallway							
	LED	10%			2040	* *			
Egress Lighting									
	Emergency, Battery	50%			2040	* *	10	\$1,300	
	Exit, Service	50%			2040	* *	1		
Exterior Lighting									
	LED	20%			2040	* *			
	No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Energy Source								
	Fuel Oil No 2	100%			2042	* *	5	\$3,300	
Conversion Equipment									
	Hot Water Boiler	100%			2030	\$109,300	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%			2040	* *	4	\$500	
Terminal Devices									
	Convector/Radiator	30%			2030	\$25,200	1	\$1,000	
	Fan Coil Unit/Heat	50%			2027	\$127,500	1	\$1,700	
	Fan Coil Unit/Heat	20%			2037	* *	1	\$700	
Air Conditioning									
	Energy Source								
	Electricity	100%			2040	* *	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. 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
Air Conditioning									
	Conversion Equipment								
	Exterior Pkg Unit - Cooling	20%			2037	* *	2	\$100	
		Other Observation, Extent : Moderate, Area Affected : 30%							
		Location : Roof							
		Explanation : Using 410a Refrigerant							
	Split Unit	10%			2032	\$24,400			
	Window/Wall Unit	40%			2027	\$15,600	1		
	No Component	30%							
Terminal Devices									
	Fan Coil - 2 Pipe	10%			2032	\$22,000	1	\$300	
	No Component	90%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	80%			LIFE	* *	2-5	\$4,700	
	Ductwork/Diffusers	20%			LIFE	* *	2-5	\$1,200	
		Recent Installation, Extent : Light, Area Affected : 20%							
		Location : Throughout							
	Exhaust Fans								
	Roof	100%			2032	\$20,000	2	\$300	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2042	* *	1		
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Backflow Preventer								
	Generic	100%			2027	\$4,600	1	\$600	
		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%			2042	* *	1-2	\$700	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FIRE ACADEMY PROBIE PAVILION
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.160 / 15360 **Yr Built/Renovated** :
Area Sq Ft : 1,200 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : **Lot** : **BIN** :

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture			\$21,400	
Electrical				
Mechanical				
Total			\$21,500	
Importance Code A			\$21,400	
Importance Code B				
Total			\$21,500	



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY PROBIE PAVILION
Asset # : 15360

Architecture		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior									
	Exterior Walls								
	Wood	25%			2052	* *	5	\$3,200	
		Recent Construction, Extent : N/A, Area Affected : 100%							
		Location : Exterior Walls For Electrical Storage Room							
	No Component	75%							
Roof									
	Asphalt Shingle	100%			2047	* *	10	\$1,200	
		Recent Construction, Extent : N/A, Area Affected : 100%							
		Location : Roof							
	Soffits								
	Wood	100%			2052	* *	5	\$37,400	
		Recent Construction, Extent : N/A, Area Affected : 100%							
		Location : Underside Of Pavilion							
Interior									
	Floors								
	Under Construction	100%							
	Interior Walls								
	No Component	90%							
	Under Construction	10%							
	Ceilings								
	No Component	80%							
	Under Construction	20%							
Site Pavements									
	On-Site Walkways								
	Cast in Place Concrete	100%			2052	* *			

Electrical		Current Repair		Future 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%			2062	* *	1		
	Panelboards								
	Molded Case Bkrs	100%			2057	* *	5		
	Wiring								
	Thermoplastic	100%			2062	* *	1		
Lighting									
	Interior Lighting								
	LED	100%			2042	* *			
	Exterior Lighting								
	LED	20%			2042	* *			
	No Component	80%							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY PROBIE PAVILION
Asset # : 15360

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation	Exhaust Fans								
	Interior	20%			2042		* *	2	
		Other Observation, Extent : N/A, Area Affected : 20%							
		Location : Attic							
		Explanation : Small Exhaust Fan Located At The Attic							
	No Component	80%							

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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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FIRE ACADEMY SUBWAY SIMULATOR, BLDG. 14
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.014 / 13719 **Yr Built/Renovated** : 2005 /
Area Sq Ft : 5,753 **Project Type** : FIRE DEPARTMENT
Date of Survey : 07-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Floors 1
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$2,400		\$16,400	
Interior Architecture	\$500			\$100
Electrical	\$100			
Mechanical	\$14,400	\$500	\$1,800	\$600
Total	\$17,400	\$500	\$18,300	\$700
Importance Code A	\$2,700	\$300	\$16,700	\$300
Importance Code B	\$14,700	\$200	\$1,600	\$400
Importance Code C				
Total	\$17,400	\$500	\$18,300	\$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
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								
Concrete Masonry Unit	90%			LIFE	**	5	\$8,600	
Efflorescence, Extent : Light, Area Affected : 5%								
Location : Throughout								
Metal Coiling Doors	10%			2045	**	5	\$4,800	
Windows								
Metal Louvers	100%			2041	**	10	\$2,500	
Parapets								
Concrete Masonry Unit	85%			LIFE	**	5	\$2,800	
Other Observation, Extent : N/A, Area Affected : 100%								
Location : Inside Of Parapet Wall								
Explanation : Covered With Modified Bitumen Roofing								
Metal Panel	5%			2052	**	5	\$600	
Pre-Cast Concrete	10%			LIFE	**	5	\$1,900	
Roof								
Built-Up (BUR)	80%			2037	**	10	\$12,900	
Built-Up (BUR)	20%			2037	**	10	\$3,200	
Other Observation, Extent : N/A, Area Affected : 100%								
Location : Throughout								
Explanation : Concrete Pavers								
Soffits								
Exposed Struc: Steel	100%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	90%			LIFE	**	5	\$17,000	
Vinyl Tile	10%			2037	**	3	\$400	
Interior Walls								
Concrete Masonry Unit	100%			LIFE	**	5	\$2,600	
Ceilings								
AcousTileSusp.Lay-In	10%			2045	**	5	\$900	
Exposed Struc: Steel	90%			LIFE	**			
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2045	**			
Parking/Driveway								
Asphalt	100%			2035	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Under 600 Volts									
Raceway									
Conduit	100%			2042	* *	1			
Panelboards									
Molded Case Bkrs	100%			2040	* *	5	\$200		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY SUBWAY SIMULATOR, BLDG. 14
Asset # : 13719

Electrical		Current Repair		Future Replacement		Maintenance			
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%			2042	* *	1		
Motor Controllers									
	Locally Mounted	100%			2037	* *	5		
Lighting									
Interior Lighting									
	Fluorescent	85%			2032	\$33,800	10	\$4,500	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Throughout The Building									
Explanation : T-8 Lamps									
	Fluorescent	10%			2032	\$4,000	10	\$500	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Classrooms And Offices									
Explanation : T-5 Lamps									
	LED	5%			2040	* *			
Egress Lighting									
	Emergency, Service	40%			2032	\$1,400	1		
	Emergency, Battery	10%			2032	\$900	10	\$100	
	Exit, LED	50%			2060	* *	1		
Exterior Lighting									
	LED	20%			2037	* *			
	No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance			
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%			2052	* *	5	\$1,800	
No. 2 Fuel Oil, Extent : Light, Area Affected : 100%									
Location : Oil Tank Above Ground In front Of Building									
Conversion Equipment									
	Hot Water Boiler	100%			2045	* *	1	\$2,800	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Boiler Room									
Explanation : 1 Unit									
Distribution									
	Hot Wtr Piping/Pump	100%			2048	* *	4	\$300	
Terminal Devices									
	Air Handler	40%			2037	* *	1	\$1,400	
	Convactor/Radiator	20%			2045	* *	1	\$400	
	Unit Heater - Steam	40%			2037	* *	4	\$300	
Air Conditioning									
	Energy Source								
	Electricity	100%			2054	* *	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY SUBWAY SIMULATOR, BLDG. 14
Asset # : 13719

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Air Conditioning									
	Conversion Equipment								
	Exterior Pkg Unit - Cooling	10%			2037	* *	2		
				R-22 Refrigerant, Extent : Light, Area Affected : 10%					
				Location : Roof					
	No Component	90%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%	0-2	\$12,300	LIFE	* *	2-5	\$3,200	
				Needs Cleaning, Extent : Severe, Area Affected : 100%					
				Location : Throughout					
	Exhaust Fans								
	Roof	100%			2037	* *	2	\$200	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2052	* *	1		
	Water Heater With Tanks								
	Electric	100%			2030	\$23,100	4		
	Sanitary Piping								
	Cast Iron	100%	Now	\$1,400	LIFE	* *	1		
				Blockage /Clogged, Extent : Severe, Area Affected : 100%					
				Location : Boiler Room					
	Backflow Preventer								
	No Component	90%							
	Generic	10%			2037	* *	1		
				Other Observation, Extent : Light, Area Affected : 10%					
				Location : Boiler Room					
				Explanation : For Boiler Only					
	Fixtures								
	Generic	100%							

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FIRE ACADEMY TRAINING BLDGS - FIELD HOUSE #12
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.012 / 13553 **Yr Built/Renovated** : 2003 /
Area Sq Ft : 40,857 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1
Block : 1819 **Lot** : 40 **BIN** : 1085911

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$98,000	\$64,800
Interior Architecture	\$82,900	\$124,400
Electrical		\$475,900
Total	\$181,000	\$665,100
Importance Code A	\$98,000	\$64,800
Importance Code B	\$82,900	\$600,300
Total	\$181,000	\$665,100

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$107,900		\$20,900	\$5,800
Interior Architecture	\$5,700			\$7,100
Electrical	\$1,300	\$900	\$1,500	\$700
Mechanical	\$300	\$200	\$200	\$400
Total	\$115,300	\$1,100	\$22,600	\$14,000
Importance Code A	\$107,900		\$20,900	\$5,800
Importance Code B	\$6,400	\$1,100	\$1,700	\$1,100
Importance Code C	\$1,000			\$7,100
Total	\$115,300	\$1,100	\$22,600	\$14,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY TRAINING BLDGS - FIELD HOUSE #12
Asset # : 13553

Architecture		Current Repair		Future 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	\$98,000	LIFE	**	5	\$23,100	
	Efflorescence, Extent : Moderate, Area Affected : 10%							
	Location : North Facade							
Metal Panel	45%	Now	\$44,800	2052	**	5	\$64,800	
	Deteriorated Finish, Extent : Moderate, Area Affected : 20%							
	Location : At Joints							
	Staining/Discoloring, Extent : Moderate, Area Affected : 20%							
	Location : South Facade							
Metal Sect. OHD	15%			2045	**	5	\$36,000	
Pre-Cast Concrete	3%			LIFE	**	5	\$7,500	
Window Wall	7%			2052	**	5	\$20,200	
Windows								
Aluminum	100%			2048	**	5	\$11,600	
Parapets								
Concrete Masonry Unit	15%	0-2	\$1,400	LIFE	**	5	\$1,300	
	Joint Mortar Miss/Erod, Extent : Light, Area Affected : 15%							
	Location : North Parapets							
	Vertical Cracks, Extent : Light, Area Affected : 10%							
	Location : North Parapets							
Masonry: Brick Cavity	20%			LIFE	**	5	\$1,500	
Metal Rail	2%			2045	**	5-10	\$2,700	
Pre-Cast Concrete	8%			LIFE	**	5	\$3,800	
No Component	55%							
Roof								
Cast in Place Concrete	25%			LIFE	**			
Metal Panel	55%	Now	\$42,100	2045	**			
	Drains Clogged, Extent : Moderate, Area Affected : 5%							
	Location : Where Angular Roof Planes Converge							
Modified Bitumen	20%			2037	**	10	\$10,800	
Interior								
Floors								
Cast in Place Concrete	68%	Now	\$82,900	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	\$4,700	2041	**	5	\$2,100	
	Cracking/Crumbling, Extent : Light, Area Affected : 10%							
	Location : 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.

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%	2-4	\$1,000	2041	* *	5	\$500	
Broken/Missing Elements, Extent : Light, Area Affected : 10%									
Location : Toilet Rooms									
	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%			2048	* *	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%			2045	* *			
Parking/Driveway									
	Asphalt	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%			2042	* *	5	\$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : One 2,000 Ampere Main Disconnect Switch								
Transformers								
Dry Type	100%			2045	* *	5	\$200	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Electrical Room								
Explanation : One 30 Kilovolt Ampere, 208 Volts Primary - 480/277 Volts Secondary								
Switchgear / Switchboard								
Molded Case Bkrs	100%			2042	* *	5	\$1,100	
Raceway								
Conduit	100%			2042	* *	1		
Panelboards								
Fused Disc Sw	5%			2040	* *	5		
Molded Case Bkrs	95%			2040	* *	5	\$1,000	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY TRAINING BLDGS - FIELD HOUSE #12
Asset # : 13553

Electrical		Current Repair		Future Replacement		Maintenance			
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%			2037	* *	5	\$300	
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$600	
Stand-by Power									
	Transfer Switches								
	Manual	100%			2042	* *	5	\$200	
Lighting									
	Interior Lighting								
	Fluorescent	40%			2032	\$237,900	10	\$15,000	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Storage							
	Fluorescent	40%			2032	\$237,900	10	\$15,000	
		Compact Fluorescent Light, Extent : Light, Area Affected : 100%							
		Location : Simulation Rooms							
	HID	10%			2032	\$47,300	10	\$100	
	LED	10%			2040	* *			
Egress Lighting									
	Emergency, Battery	60%			2032	\$40,200	10	\$5,900	
	Exit, LED	40%			2047	* *	1		
Exterior Lighting									
	HID	20%			2032	\$37,200	10		
	No Component	80%							
Alarm									
	Fire/Smoke Detection								
	No Component	70%							
	Generic, Digital	30%			2032	\$30,900	1-3	\$7,600	
		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							

Mechanical		Current Repair		Future 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%			2052	* *	1		
		Other Observation, Extent : Light, Area Affected : 20%							
		Location : 1st Floor							
		Explanation : Hot Water Is Supplied From Adjacent Building No.11							
	No Component	80%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FIRE ACADEMY TRAINING BLDGS - FIELD HOUSE #12
Asset # : 13553

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
Distribution									
	Hot Wtr Piping/Pump	20%			2048	* *	4	\$400	
		Other Observation, Extent : Light, Area Affected : 20%							
		Location : 1st Floor							
		Explanation : Hot Water From Adjacent Building No.11							
	No Component	80%							
Terminal Devices									
	Convactor/Radiator	15%			2045	* *	1	\$2,000	
		Other Observation, Extent : Light, Area Affected : 15%							
		Location : Ground Level							
		Explanation : Radiant Heating Pipes In Floor							
	Unit Heater - Steam	5%			2037	* *	4	\$300	
	No Component	80%							
Ventilation									
Exhaust Fans									
	Roof	20%			2037	* *	2	\$300	
	No Component	80%							
Plumbing									
H/C Water Piping									
	Brass/Copper	20%			2052	* *	1		
	No Component	80%							
Water Heater With Tanks									
	Electric	20%			2030	\$4,600	4		
		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.
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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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FIRE ACADEMY TRAINING TOWER # 1
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.000 / 1988 **Yr Built/Renovated** : 1975 / 2008
Area Sq Ft : 12,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 06-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2,3,4,5
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Electrical	\$174,700	
Mechanical		\$61,000
Total	\$174,700	\$61,000
Importance Code A		\$61,000
Importance Code B	\$174,700	
Total	\$174,700	\$61,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$48,100			\$36,800
Interior Architecture				
Electrical		\$200	\$22,000	
Mechanical	\$2,800	\$500	\$1,800	\$700
Total	\$50,900	\$700	\$23,800	\$37,500
Importance Code A	\$48,100	\$200		\$37,000
Importance Code B	\$2,800	\$400	\$23,800	\$500
Importance Code C				
Total	\$50,900	\$700	\$23,800	\$37,500



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	\$45,100	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 Square Feet Another 6,600 Square Feet Were Added In 2008.									
Windows									
	Steel	100%			2048	**	5	\$71,500	
Parapets									
	Masonry: Brick	70%			LIFE	**	5	\$2,800	
	Masonry: Brick	30%	Now	\$3,000	LIFE	**	5	\$1,200	
Other Observation, Extent : Light, Area Affected : 50%									
Location : Roof									
Explanation : This Is A Demonstration Building									
Roof									
	Skylight, Metal/Glass	2%			2058	**	10	\$1,000	
	Traffic Topping	98%			2040	**	10	\$24,800	
Interior									
Floors									
	Cast in Place Concrete	95%			LIFE	**	5	\$33,300	
Cracking/Crumbling, Extent : Light, Area Affected : 10%									
Location : Throughout									
	Steel Grating	5%			2052	**	1		
Interior Walls									
	Concrete Masonry Unit	100%			LIFE	**	5	\$15,100	
Cracking/Crumbling, Extent : Light, Area Affected : 15%									
Location : All Floors									
Ceilings									
	Exposed Struc: 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									
Service Equipment									
	Fused Disc Sw	100%			2032	\$14,700	5	\$100	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Electrical Room, First Room									
Explanation : One 200 Ampere Main Disconnect Switch									
Raceway									
	Conduit	100%			2032	\$25,100	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY TRAINING TOWER # 1
Asset # : 1988

Electrical		Current Repair		Future Replacement		Maintenance			
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%			2031	\$39,000	5	\$300	
Wiring									
	Thermoplastic	100%			2032	\$28,000	1		
Lighting									
Interior Lighting									
	Fluorescent	20%			2027	\$34,900	10	\$2,200	
T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%									
Location : Stair Case And 3rd Floor									
	Fluorescent	80%			2027	\$139,800	10	\$8,800	
Compact Fluorescent Light, Extent : Light, Area Affected : 100%									
Location : Throughout The Building									
Exterior Lighting									
	HID	20%			2027	\$10,900	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%			2052	* *	1		
	No Component	80%							
Conversion Equipment									
	Radiant Heater	20%			2032	\$61,000	2	\$1,100	
	No Component	80%							
Ventilation									
	Exhaust Fans								
	Roof	20%			2037	* *	2	\$100	
	Wall Unit	80%			2032	\$4,000	2	\$300	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : Fan In Basement To Remove Methane Gas									
Plumbing									
	H/C Water Piping								
	Galvanized Steel	10%			2045	* *	1		
Other Observation, Extent : Light, Area Affected : 10%									
Location : Basement, 1 Through 5									
Explanation : Standpipe Only									
	No Component	90%							
Storm Drain Piping									
	Cast Iron	100%			LIFE	* *	1		
Other Observation, Extent : Light, Area Affected : 10%									
Location : 1 Through 5									
Explanation : Roof Drains 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
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									
	Sump Pump(s)								
	Non-Submersible	100%	Now	\$2,300	2042	* *	4	\$300	
Not in Service, Extent : Light, Area Affected : 100%									
Location : Basement									
Fire Suppression									
	Standpipe								
	Generic	100%			2052	* *	1-5	\$6,300	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FIRE ACADEMY VEHICLE PREVENTIVE MAINT BLDG #6
Address : RANDALLS ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.050 / 1990 **Yr Built/Renovated** : 1975 / 2004
Area Sq Ft : 14,800 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Floors 1,2
Block : 1819 **Lot** : 40 **BIN** :

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$51,800	
Interior Architecture	\$53,600	
Electrical		\$142,200
Total	\$105,400	\$142,200
Importance Code A	\$51,800	
Importance Code B	\$53,600	\$142,200
Total	\$105,400	\$142,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$4,600			\$6,700
Interior Architecture	\$89,200	\$1,300		\$1,000
Electrical	\$900	\$900	\$800	\$800
Mechanical	\$5,100	\$1,200	\$16,000	\$1,600
Site Pavements	\$2,800			
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$106,500	\$7,300	\$20,700	\$14,000
Importance Code A	\$5,400	\$700	\$800	\$7,400
Importance Code B	\$48,700	\$5,900	\$20,000	\$6,600
Importance Code C	\$52,400	\$700		
Total	\$106,500	\$7,300	\$20,700	\$14,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY 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	\$51,800	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+	\$4,600	2045	* *	5	\$4,100	
	Paint Peeling, Extent : Light, Area Affected : 15%								
	Location : Door Frames								
Windows									
	Aluminum	40%			2048	* *	5	\$800	
	Wood	60%			2048	* *	5	\$12,600	
Parapets									
	Not Accessible	100%							
Roof									
	Not Accessible	100%							
Interior									
Floors									
	Cast in Place Concrete	40%	Now	\$15,200	LIFE	* *	5	\$20,000	
	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%			2041	* *	5	\$1,100	
	Vinyl Tile	35%	Now	\$21,600	2037	* *	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%			2041	* *	5	\$1,400	
	Concrete Masonry Unit	75%	Now	\$39,500	LIFE	* *	5	\$8,600	
	Vertical Cracks, Extent : Moderate, Area Affected : 15%								
	Location : Stairwell To Second Floor								
	SGFT/Glazed Masonry	20%	0-2	\$10,100	LIFE	* *			
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : Throughout Apparatus Area								

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY VEHICLE PREVENTIVE MAINT BLDG #6
Asset # : 1990

Architecture		Current 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 \$2,800 2037 * * 5 \$1,700

Water Penetration, Extent : Moderate, Area Affected : 5%

Location : Rooms 201, 202, 203 And Locker Rooms

AcousTileSusp.Lay-In 5% 2049 * * 5 \$1,100

Exposed Struc: Steel 50% Now \$53,600 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 \$2,800 2037 * *

Cracking/Crumbling, Extent : Moderate, Area Affected : 20%

Location : At Overhead Door Thresholds And Curbs

Parking/Driveway

Asphalt 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% 2042 * * 5 \$100

Other Observation, Extent : Light, Area Affected : 100%

Location : Electrical Room

Explanation : Two 1,200 Ampere Main Disconnect Switches

Switchgear / Switchboard

Fused Disc Sw 100% 2042 * * 5 \$100

Raceway

Conduit 85% 2032 \$21,400 1

Conduit 15% 2042 * * 1

Panelboards

Fused Disc Sw 5% 2031 \$1,900 5

Molded Case Bkrs 75% 2031 \$29,200 5 \$300

Molded Case Bkrs 20% 2040 * * 5 \$100

Wiring

Thermoplastic 80% 2032 \$22,400 1

Thermoplastic 20% 2042 * * 1

Motor Controllers

Locally Mounted 20% 2037 * * 5

Locally Mounted 80% 2030 \$56,000 5 \$100

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
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
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2037	* *	1	\$4,600	
Lighting									
	Interior Lighting								
	Fluorescent	40%			2032	\$86,200	10	\$5,400	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : 2nd Floor							
	LED	60%			2040	* *			
Egress Lighting									
	Emergency, Battery	60%			2032	\$14,600	10	\$2,100	
	Exit, LED	40%			2060	* *	1		
Exterior Lighting									
	LED	20%			2040	* *			
	No Component	80%							
Alarm									
	Fire/Smoke Detection								
	No Component	70%							
	Generic, Digital	30%			2037	* *	1-3	\$2,800	
		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%			2042	* *	5	\$4,600	
	Conversion Equipment								
	Furnace	20%			2032	\$9,000	1	\$1,500	
		Other Observation, Extent : Light, Area Affected : 20%							
		Location : Roof							
		Explanation : 1 Unit							
	Hot Water Boiler	80%			2037	* *	1	\$5,900	
		Other Observation, Extent : Light, Area Affected : 80%							
		Location : 1st Floor Boiler Room							
		Explanation : 1 Unit							
Distribution									
	Hot Wtr Piping/Pump	100%			2040	* *	4	\$700	
Terminal Devices									
	Convactor/Radiator	50%			2037	* *	1	\$2,400	
	Unit Heater - Steam	50%			2037	* *	4	\$1,000	
Air Conditioning									
	Energy Source								
	Electricity	100%			2048	* *	1		

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** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FIRE ACADEMY VEHICLE PREVENTIVE MAINT BLDG #6
Asset # : 1990

Mechanical		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%			2042	* *	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%			2032	\$23,800	2	\$400	
	Wall Unit	15%			2032	\$900	2	\$100	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%	Now	\$3,700	2052	* *	1		
				Corroded, Extent : Severe, Area Affected : 100%					
				Location : Water Main.					
	Water Heater With Tanks								
	Electric	50%			2027	\$11,500	4		
	Electric	50%			2030	\$11,500	4		
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Backflow Preventer								
	No Component	90%							
	Generic	10%			2037	* *	1	\$100	
				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%			2042	* *	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 07-Jun-2023 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$64,500	
Interior Architecture		\$173,100
Mechanical		\$94,600
Total	\$64,500	\$267,800
Importance Code A	\$64,500	
Importance Code B		\$267,800
Total	\$64,500	\$267,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$10,800		\$1,100	
Interior Architecture	\$24,500		\$3,800	\$700
Electrical	\$4,000	\$200	\$200	\$200
Mechanical	\$8,600	\$500	\$400	\$500
Site Enclosure	\$6,400			
Site Pavements	\$4,800			
Total	\$59,200	\$700	\$5,500	\$1,500
Importance Code A	\$11,000	\$200	\$1,300	\$200
Importance Code B	\$29,200	\$500	\$4,200	\$1,300
Importance Code C	\$18,900			
Total	\$59,200	\$700	\$5,500	\$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
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%			2044	* *	10	\$300	
	Cast in Place Concrete	10%			LIFE	* *	5	\$17,200	
	Masonry: Brick	85%	Now	\$64,500	LIFE	* *	5	\$14,600	
Broken/Missing Elements, Extent : Light, Area Affected : 5%									
Location : Building Corners And Openings									
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%									
Location : Throughout									
Spalling, Extent : Moderate, Area Affected : 25%									
Location : Various Locations									
Windows									
	Aluminum	100%	Now	\$2,200	2042	* *	5	\$200	
Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 20%									
Location : Throughout									
Misaligned/Bulging, Extent : Moderate, Area Affected : 5%									
Location : Front Office									
Roof									
	Asphalt Shingle	100%			2037	* *	10	\$1,100	
Soffits									
	Wood	100%			2039	* *	5		
Interior									
Floors									
	Ceramic Tile	5%	Now	\$1,000	2037	* *	5	\$200	
Broken/Missing Elements, Extent : Light, Area Affected : 10%									
Location : Bathroom									
	Quarry Tile	10%			2047	* *	5	\$1,000	
	Vinyl Tile	85%	Now	\$8,700	2034	\$173,100	3	\$2,200	
Broken/Missing Elements, Extent : Light, Area Affected : 100%									
Location : Basement									
Repairs in Progress, Extent : N/A, 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
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									
Interior Walls									
	Ceramic Tile	5%	Now	\$600	2037	**	5	\$200	
		Broken/Missing Elements, Extent : Light, Area Affected : 5%							
		Location : Toilets							
	Concrete Masonry Unit	10%			LIFE	**	5	\$800	
	Gypsum Board	50%	Now	\$1,400	LIFE	**	5	\$2,900	
		Cracking/Crumbling, Extent : Severe, Area Affected : 2%							
		Location : Basement							
		Repairs in Progress, Extent : N/A, Area Affected : 50%							
		Location : Basement							
	Masonry: Brick	5%	Now	\$1,900	LIFE	**			
		Joint Mortar Miss/Erod, Extent : Light, Area Affected : 50%							
		Location : Basement							
	Plaster	5%			LIFE	**	5-10	\$400	
		Cracking/Crumbling, Extent : Light, Area Affected : 5%							
		Location : Basement							
		Deteriorated Finish, Extent : Light, Area Affected : 10%							
		Location : Basement							
		Repairs in Progress, Extent : N/A, Area Affected : 100%							
		Location : Basement							
	Wood	25%			LIFE	**	5	\$19,000	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Various Locations. Throughout							
		Explanation : Wood Panel Interior Finish							
Ceilings									
	AcousTileSusp.Lay-In	95%			2047	**	5	\$6,500	
		Broken/Missing Elements, Extent : Moderate, Area Affected : 100%							
		Location : Basement							
		Repairs in Progress, Extent : N/A, Area Affected : 100%							
		Location : Basement							
	Gypsum Board	5%			LIFE	**	5-10	\$1,200	
Site Enclosure									
Retaining Walls									
	Cast in Place Concrete	100%	Now	\$6,400	2069	**			
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : Basement Stairs							
		Misaligned/Bulging, Extent : Moderate, Area Affected : 5%							
		Location : Basement Stairs							
Site Pavements									
On-Site Walkways									
	Cast in Place Concrete	100%			2039	**			
Parking/Driveway									
	Cast in Place Concrete	100%	Now	\$4,800	2039	**			
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : Parking 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.
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** 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

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% 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%			2034	\$4,000	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : Two 200 Ampere Main Disconnect Switches									
Raceway									
	Conduit	85%			2034	\$4,000	1		
	Conduit	10%			2044	* *	1		
	Under Construction	5%							
Panelboards									
	Fused Disc Sw	5%			2033	\$500	5		
	Molded Case Bkrs	70%			2033	\$7,500	5	\$100	
	Molded Case Bkrs	20%			2042	* *	5		
	Under Construction	5%							
Wiring									
	Thermoplastic	70%			2034	\$6,800	1		
	Thermoplastic	20%			2044	* *	1		
	Under Construction	10%							
Motor Controllers									
	Locally Mounted	100%			2032	\$12,300	5		
Ground									
Grounding Devices									
	Generic	100%			LIFE	* *	5	\$100	
Lighting									
Interior Lighting									
	Fluorescent	90%			2029	\$31,400	10	\$3,800	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Throughout The Building									
Explanation : T-12 Lamps									
	Under Construction	10%							
Egress Lighting									
	Emergency, Battery	50%			2034	\$4,100	10	\$600	
	Exit, Service	50%			2034	\$800	1		
Exterior Lighting									
	HID	20%			2029	\$4,600	10		
	LED	10%			2042	* *			
	No Component	70%							
Alarm									
Security System									
	Generic	100%			2039	* *	1	\$1,700	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Outside Front Of The Building									
Explanation : CCTV Surveillance Camera Only Outside									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. 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
Heating									
	Energy Source								
	Fuel Oil No 2	100%			2044	* *	5	\$1,400	
	Conversion Equipment								
	Hot Water Boiler	100%			2047	* *	1	\$2,300	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Unit							
	Distribution								
	Hot Wtr Piping/Pump	100%	0-2	\$500	2033	\$10,800	4	\$200	
		Other Observation, Extent : Moderate, Area Affected : 30%							
		Location : South Side							
		Explanation : Insufficient Heat In The South Side Of The Building							
	Terminal Devices								
	Convactor/Radiator	100%			2032	\$40,200	1	\$1,500	
Air Conditioning									
	Energy Source								
	Electricity	100%			2042	* *	1		
	Conversion Equipment								
	Split Unit	20%			2034	\$23,400			
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Outside							
		Explanation : 1 Unit. R-22 Refrigerant							
	Window/Wall Unit	80%	0-2	\$7,500	2029	\$14,900	1		
		On Extended Life, Extent : Moderate, Area Affected : 100%							
		Location : Basement. Units Is Not Reliable And Constantly Breaking Down							
	Terminal Devices								
	Fan Coil - 2 Pipe	20%			2034	\$30,000	1	\$300	
	No Component	80%							
	Heat Rejection								
	Dry Cooler	20%			2034	\$4,500	2	\$600	
	No Component	80%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2044	* *	1		
	Water Heater With Tanks								
	Oil Fired	100%			2032	\$94,600	1		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : One 40 Gallon Unit							
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%			2025	\$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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 07-Jun-2023 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture		\$382,900
Mechanical		\$782,100
Site Pavements	\$64,000	
Total	\$64,000	\$1,165,000
Importance Code B		\$1,165,000
Importance Code C	\$64,000	
Total	\$64,000	\$1,165,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$19,600		\$9,700	
Interior Architecture	\$54,600		\$6,600	\$1,600
Electrical	\$300			
Mechanical	\$8,200	\$3,200	\$2,600	\$3,200
Site Enclosure	\$4,000			
Total	\$86,700	\$3,200	\$18,900	\$4,800
Importance Code A	\$20,800	\$1,200	\$10,900	\$1,200
Importance Code B	\$29,800	\$1,900	\$6,600	\$3,600
Importance Code C	\$36,100		\$1,400	
Total	\$86,700	\$3,200	\$18,900	\$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
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%	Now	\$18,700	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								
Vegetation Growth, Extent : Moderate, Area Affected : 5%								
Location : North Facade								
Masonry: Granite	5%			LIFE	**	5	\$900	
Masonry: Limestone	5%			LIFE	**	5	\$900	
Metal Sect. OHD	3%			2039	**	5	\$1,100	
Windows								
Metal Louvers	2%			2043	**	10	\$200	
Wood	98%			2042	**	5	\$19,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : All Facades								
Explanation : Vinyl Clad Wood Wondows								
Roof								
Asphalt Shingle	2%			2043	**	10	\$100	
Synthetic Slate/Cedar	98%			2043	**			
Interior								
Floors								
Cast in Place Concrete	20%			LIFE	**	5	\$16,200	
Mosaic Tile	10%			2039	**	5	\$4,600	
Vinyl Tile	70%			2034	\$382,900	3	\$6,500	
Interior Walls								
Cast in Place Concrete	5%			LIFE	**	10	\$3,400	
Cast Stone/Terra Cotta	5%			LIFE	**	10	\$5,100	
Ceramic Tile	10%			2037	**	5	\$2,700	
Gypsum Board	80%			LIFE	**	5-10	\$37,000	
Ceilings								
AcousTileSusp.Lay-In	60%			2047	**	5	\$10,500	
Gypsum Board	30%			LIFE	**	5-10	\$18,100	
Masonry: Infill Arch	10%			LIFE	**	10	\$900	
Site Enclosure								
Fence/Gates								
Chain Link	100%	4+	\$3,600	2044	**			
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Around Parking Lot								
Retaining Walls								
Cast in Place Concrete	100%	Now	\$500	2054	**			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Left Side Of Building								
Site Pavements								
On-Site Walkways								
Asphalt	95%			2037	**			
Cast in Place Concrete	5%			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
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

Parking/Driveway

Asphalt

100% 0-2 \$64,000 2037 * *

Cracking/Crumbling, Extent : Moderate, Area Affected : 25%

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% 2044 * * 5 \$100

Other Observation, Extent : N/A, Area Affected : 100%

Location : Outside

Explanation : Two Main Service Disconnect Switches Rated At 200 Amperes And 100 Amperes.

Switchgear / Switchboard

Fused Disc Sw

100% 2044 * * 5 \$100

Raceway

Conduit

90% 2034 \$24,800 1

Conduit

10% 2054 * * 1

Panelboards

Fused Disc Sw

10% 2050 * * 5

Molded Case Bkrs

90% 2050 * * 5 \$300

Wiring

Thermoplastic

100% 2054 * * 1

Ground

Grounding Devices

Generic

100% LIFE * * 5 \$400

Lighting

Interior Lighting

Fluorescent

90% 2039 * * 10 \$10,200

Other Observation, Extent : N/A, Area Affected : 100%

Location : Throughout The Building

Explanation : T-8 Lamps

LED

10% 2042 * *

Egress Lighting

Emergency, Battery

50% 2039 * * 10 \$1,500

Exit, Service

50% 2039 * * 1

Exterior Lighting

HID

15% 2034 \$9,300 10

LED

15% 2042 * *

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. # 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
Heating									
	Energy Source								
	Fuel Oil No 2	100%			2044	* *	5	\$3,800	
	Conversion Equipment								
	Steam Boiler	100%			2047	* *	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%			2034	\$106,500			
	Terminal Devices								
	Convactor/Radiator	70%			2032	\$76,100	1	\$2,800	
	Convactor/Radiator	30%			2047	* *	1	\$1,200	
Air Conditioning									
	Energy Source								
	Electricity	100%			2042	* *	1		
	Conversion Equipment								
	Split Unit	70%			2034	\$221,000			
	Other Observation, Extent : Moderate, Area Affected : 100%								
	Location : Outside								
	Explanation : 3 Units. R-22 Refrigerant								
	Window/Wall Unit	30%	0-2	\$3,000	2029	\$15,100	1		
	Malfunctioning, Extent : Moderate, Area Affected : 50%								
	Location : Basement. Two Window Air Condition Units In Basement Not Reliable. Units Constantly Breaking Down.								
	Terminal Devices								
	Fan Coil - 2 Pipe	70%			2034	\$283,900	1	\$2,800	
	No Component	30%							
	Heat Rejection								
	Dry Cooler	70%			2034	\$42,700	2	\$6,000	
	No Component	30%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	70%			LIFE	* *	2-5	\$7,700	
	No Component	30%							
	Exhaust Fans								
	Interior	70%			2034	\$41,300	2	\$300	
	No Component	30%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2044	* *	1		
	Water Heater With Tanks								
	Oil Fired	100%			2029	\$94,600	1		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement Mechanical Room								
	Explanation : 1 Unit								
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 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								
Sump Pump(s)								
Submersible	100%	0-2	\$400	2029	\$400	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 31-May-2023 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture		\$168,800
Total		\$168,800
Importance Code B		\$168,800
Total		\$168,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$27,200			
Interior Architecture	\$39,100		\$100	\$300
Electrical	\$300	\$200	\$200	\$200
Mechanical	\$8,900	\$900	\$1,300	\$600
Site Pavements	\$7,900			
Total	\$83,300	\$1,000	\$1,600	\$1,100
Importance Code A	\$27,700	\$500	\$500	\$500
Importance Code B	\$38,000	\$600	\$1,100	\$400
Importance Code C	\$17,600			\$200
Total	\$83,300	\$1,000	\$1,600	\$1,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 129 EMS CHAUFFEUR TRAINING SIMULATOR
Asset # : 13740

Architecture		Current Repair			Future Replacement		Maintenance		
System	Component	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost	Priority
	Type	Total	(Years)		FY		(Yrs)		
Exterior									
	Exterior Walls								
	Masonry: Brick	95%			LIFE	**	5	\$32,700	
		Vegetation Growth, Extent : Moderate, Area Affected : 10%							
		Location : South 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%	0-2	\$3,600	LIFE	**	5	\$600	
		Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10%							
		Location : Base Of Building							
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Base Of Building							
		Explanation : This Is Actually Bluestone							
Windows									
	Vinyl-Clad Wood	100%			2039	**	5	\$600	
Roof									
	Cast in Place Concrete	10%	Now	\$800	LIFE	**			
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : Above Basement							
	Slate	90%	2-4	\$6,500	LIFE	**			
		Broken/Missing Elements, Extent : Moderate, Area Affected : 10%							
		Location : Mostly Above Gutter							
		Worn/Eroded, Extent : Moderate, Area Affected : 50%							
		Location : Roof							
Interior									
	Floors								
	Cast in Place Concrete	8%			LIFE	**	5	\$2,400	
	Sheet Vinyl/Rubber	35%			2034	\$168,800	5	\$3,600	
	Vinyl Tile	15%			2039	**	3	\$400	
	Vinyl Tile 9" X 9"	2%	Now	\$11,800	2044	**	3	\$100	
		Cracking/Crumbling, Extent : Severe, Area Affected : 100%							
		Location : 2nd Floor Entry Vestibule							
	Wood	40%	0-2	\$8,800	2062	**	5	\$2,600	
		Deteriorated Finish, Extent : Moderate, Area Affected : 50%							
		Location : Throughout 2nd Floor							
Interior Walls									
	Cast in Place Concrete	20%			LIFE	**	10	\$4,800	
	Ceramic Tile	5%			2043	**	5	\$500	
	Gypsum Board	20%			LIFE	**	5-10	\$3,200	
	Plaster	55%			LIFE	**	5-10	\$4,500	
Ceilings									
	Exposed Struc: Concrete	10%			LIFE	**	5-10	\$900	
	Plaster	90%			LIFE	**	5-10	\$10,600	
		Paint Peeling, Extent : Light, Area Affected : 15%							
		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. # 129 EMS CHAUFFEUR TRAINING SIMULATOR
Asset # : 13740

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Enclosure

Retaining Walls

Cast in Place Concrete	100%			2054	**		
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Site Pavements

On-Site Walkways

Cast in Place Concrete	100%	Now	\$7,900	2047	**		
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*Cracking/Crumbling, Extent : Severe, Area Affected : 60%**Location : Stairs To Basements**Misaligned/Bulging, Extent : Severe, Area Affected : 5%**Location : Throughout*

Parking/Driveway

Asphalt	95%			2037	**		
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Cast in Place Concrete	5%			2039	**		
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Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2054	**	5	
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : Main Service Disconnect Switch Rated At 100 Amperes.*

Switchgear / Switchboard

Molded Case Bkrs	100%			2054	**	5	\$100
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Raceway

Conduit	70%			2054	**	1	
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Conduit	30%			2034	\$1,400	1	
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Panelboards

Molded Case Bkrs	100%			2050	**	5	\$100
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Wiring

Thermoplastic	70%			2054	**	1	
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Thermoplastic	30%			2034	\$2,900	1	
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Ground

Grounding Devices

Generic	100%			LIFE	**	5	\$100
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Lighting

Interior Lighting

Fluorescent	95%			2034	\$32,900	10	\$4,000
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*Other Observation, Extent : N/A, Area Affected : 100%**Location : Throughout The Building**Explanation : T-8 Lamps*

LED	5%			2034	\$1,600		
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Egress Lighting

Emergency, Battery	50%			2039	**	10	\$600
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Exit, Service	50%			2039	**	1	
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
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

LED

30%

2039

* *

No Component

70%

Alarm

Security System

Generic

100%

2039

* *

1

\$1,700

*Other Observation, Extent : N/A, 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

Fuel Oil No 2

100%

2044

* *

5

\$1,400

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : 2 Tanks*

Conversion Equipment

Steam Boiler

100%

2047

* *

1

\$4,500

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : 1 Unit*

Distribution

Steam Piping/Pump

100%

2034

\$39,200

Terminal Devices

Convactor/Radiator

100%

2032

\$40,000

1

\$1,500

Controls

Electrical

100%

2029

\$27,200

Air Conditioning

Energy Source

Electricity

100%

2042

* *

1

Conversion Equipment

Split Unit

30%

4+

\$7,000

2029

\$34,900

*R-22 Refrigerant, Extent : Light, Area Affected : 100%**Location : 1 Unit. 1st Floor**Other Observation, Extent : Moderate, Area Affected : 100%**Location : 1st Floor**Explanation : On Extended Life Time*

Window/Wall Unit

70%

2029

\$13,000

1

Distribution

Ductwork/Diffusers

30%

LIFE

* *

2

\$2,200

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. # 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
Air Conditioning								
Terminal Devices								
Fan Coil - 2 Pipe	30%			2029	\$44,800	1	\$400	
No Component	70%							
Heat Rejection								
Dry Cooler	30%			2029	\$6,700	2	\$1,000	
No Component	70%							
Plumbing								
H/C Water Piping								
Brass/Copper	10%	0-2	\$600	2044	* *	1		
	Not Insulated, Extent : Moderate, Area Affected : 10%							
	Location : Boiler Room							
Brass/Copper	90%			2044	* *	1		
HW Heat Exchanger								
Steam Fired	100%			2054	* *	4	\$700	
	Other Observation, Extent : N/A, Area Affected : 100%							
	Location : Basement							
	Explanation : Domestic Coil Inside Boiler							
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							
	Other Observation, Extent : Moderate, Area Affected : 100%							
	Location : Throughout							
	Explanation : Aged 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.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$160,800	
Interior Architecture	\$107,000	
Electrical	\$64,300	
Total	\$332,100	
Importance Code A	\$160,800	
Importance Code B	\$171,300	
Total	\$332,100	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$40,400			
Interior Architecture	\$7,500			\$1,500
Electrical	\$14,100			
Mechanical	\$24,700	\$300	\$300	\$300
Total	\$86,700	\$300	\$300	\$1,800
Importance Code A	\$40,500			
Importance Code B	\$38,800	\$300	\$300	\$1,800
Importance Code C	\$7,500			
Total	\$86,700	\$300	\$300	\$1,800



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
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	\$91,900	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	\$7,700	LIFE	* *	5	\$4,300	
Vegetation Growth, Extent : Light, Area Affected : 10%								
Location : Throughout Exterior Facade.								
Windows								
Wood	100%	Now	\$32,800	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	\$68,900	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	\$107,000	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 \$700 2039 * * 5 \$100

*Cracking/Crumbling, Extent : Moderate, Area Affected : 10%
Location : Bathrooms.*

Gypsum Board

95% Now \$6,800 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 \$4,000 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 \$4,700 1

Panelboards

Molded Case Bkrs

100% 2029 \$10,700 5 \$200

Wiring

Thermoplastic

100% 2030 \$9,700 1

Ground

Grounding Devices

Not Accessible

100%

Lighting

Interior Lighting

Incandescent

100% 2025 \$64,300 2 \$200

Exterior Lighting

HID

30% 2025 \$14,100 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

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.*

Maintenance \$ are aggregated over a ten-year period. 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	\$24,700	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 With Tanks								
	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FORT TOTTEN - BLDG. # 309 EMS HAZMAT/ PARAMEDIC TRAINING
Address : 309 PRATT AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.309 / 13755 **Yr Built/Renovated** : 1897 /
Area Sq Ft : 4,874 **Project Type** : FIRE DEPARTMENT
Date of Survey : 24-May-2023 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Mechanical		\$50,700
Total		\$50,700
Importance Code B		\$50,700
Total		\$50,700

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$32,500			
Interior Architecture	\$58,300			
Electrical	\$2,100	\$200	\$200	\$200
Mechanical	\$600	\$600	\$20,400	\$600
Site Enclosure	\$500			
Site Pavements	\$1,500			
Total	\$95,700	\$800	\$20,600	\$900
Importance Code A	\$33,000	\$500	\$500	\$500
Importance Code B	\$48,300	\$300	\$20,100	\$400
Importance Code C	\$14,400			
Total	\$95,700	\$800	\$20,600	\$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. # 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%	2-4	\$24,400	LIFE	**	5	\$13,800	
	Vertical Cracks, Extent : Light, Area Affected : 2%							
	Location : Window Infill							
Masonry: Fieldstone	13%	2-4	\$4,600	LIFE	**	5	\$1,600	
	Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%							
	Location : Base Of Building							
Stucco Cement	2%	Now	\$1,000	2039	**	5	\$400	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
	Location : Chimney							
Windows								
Aluminum	100%	Now	\$400	2050	**	5	\$200	
	Ctrwt/Balnc Not Funct, Extent : Light, Area Affected : 5%							
	Location : Throughout							
Roof								
Asphalt Shingle	100%	Now	\$2,100	2043	**			
	Miss/Damaged Flashings, Extent : Moderate, Area Affected : 5%							
	Location : Roof Cap							
	Water Penetration, Extent : Moderate, Area Affected : 5%							
	Location : Throughout							
Soffits								
Cast in Place Concrete	50%			LIFE	**	5		
Exposed Struc: Wood	50%			LIFE	**	10		
	Paint Peeling, Extent : Light, Area Affected : 100%							
	Location : Roof Soffit							
Interior								
Floors								
Cast in Place Concrete	35%	4+	\$4,500	LIFE	**	5	\$5,400	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
	Location : Throughout Basement Floor							
Mosaic Tile	5%			2039	**	5	\$900	
Quarry Tile	55%	0-2	\$30,600	2039	**	5	\$2,900	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 5%							
	Location : Throughout							
Vinyl Tile	5%			2034	\$10,400	3	\$200	
Interior Walls								
Ceramic Tile	5%	Now	\$800	2037	**	5	\$100	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 10%							
	Location : Basement Bathroom							
Gypsum Board	20%			LIFE	**	5-10	\$1,800	
Masonry: Brick	20%			LIFE	**	10	\$300	
	Efflorescence, Extent : Moderate, Area Affected : 5%							
	Location : Throughout Basement Walls							
SGFT/Glazed Masonry	5%			LIFE	**	10	\$100	
Wood	50%			LIFE	**	5	\$21,000	

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. # 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
Interior								
Ceilings								
AcousTileConcealSpLn	60%	Now	\$3,600	2039	**	5	\$2,600	
	Broken/Missing Elements, Extent : Severe, Area Affected : 5%							
	Location : Throughout Main Floor Ceiling							
	Water Penetration, Extent : Light, Area Affected : 5%							
	Location : Throughout							
Exposed Struc: Wood	20%	2-4	\$5,200	LIFE	**			
	Split/Cracked, Extent : Severe, Area Affected : 15%							
	Location : Various Locations Throughout Basement							
Plaster	20%			LIFE	**	5-10	\$2,400	
Site Enclosure								
Retaining Walls								
Cast in Place Concrete	100%	2-4	\$500	2054	**			
	Cracking/Crumbling, Extent : Light, Area Affected : 5%							
	Location : Basement Stairs							
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%	Now	\$1,500	2047	**			
	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%			2054	**	5		
	Other Observation, Extent : Light, Area Affected : 100%							
	Location : Outside							
	Explanation : One 100 Ampere Main Disconnect Switch							
Raceway								
Conduit	50%			2034	\$2,400	1		
Conduit	50%			2060	**	1		
Panelboards								
Fused Disc Sw	5%			2033	\$500	5		
Molded Case Bkrs	20%			2033	\$2,100	5		
Molded Case Bkrs	75%			2050	**	5	\$100	
Wiring								
Thermoplastic	50%			2034	\$4,800	1		
Thermoplastic	50%			2054	**	1		
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
FORT TOTTEN - BLDG. # 309 EMS HAZMAT/ PARAMEDIC TRAINING
Asset # : 13755

Electrical		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	40%			2029	\$14,800	10	\$1,800	
		T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : Basement							
	Fluorescent	60%			2042	* *	10	\$2,700	
		T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%							
		Location : First Floor							
Egress Lighting									
	Emergency, Battery	50%			2039	* *	10	\$600	
	Exit, Service	50%			2039	* *	1		
Exterior Lighting									
	LED	20%			2039	* *			
	No Component	80%							
Alarm									
	Security System								
	Generic	100%			2039	* *	1	\$1,800	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Outisde Front Of The Building							
		Explanation : CCTV Surveillance Camera Only The Front Of 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								
	Fuel Oil No 2	100%			2034	\$12,000	5	\$1,500	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : 2 Tanks							
	Conversion Equipment								
	Steam Boiler	100%			2039	* *	1	\$4,800	
		Other Observation, Extent : Light, Area Affected : 50%							
		Location : Basement							
		Explanation : 1 Unit							
	Distribution								
	Steam Piping/Pump	100%			2044	* *			
	Terminal Devices								
	Convactor/Radiator	100%			2032	\$42,700	1	\$1,600	
	Controls								
	Electrical	100%			2029	\$29,000			
Air Conditioning									
	Energy Source								
	Electricity	100%			2042	* *	1		
	Conversion Equipment								
	Window/Wall Unit	100%			2027	\$19,800	1		

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. # 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
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2044	* *	1		
Water Heater With Tanks								
Electric	100%			2032	\$50,700	4		
Sanitary Piping								
Cast Iron	100%			LIFE	* *	1		
Fixtures								
Generic	100%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FORT TOTTEN - BLDG. # 325 EMS ACADEMY
Address : 325 PRATT AVENUE
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.325 / 13739 **Yr Built/Renovated** : 1894 /
Area Sq Ft : 31,892 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-May-2023 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$410,200	
Mechanical		\$741,000
Site Enclosure		\$196,500
Total	\$410,200	\$937,500
Importance Code A	\$410,200	
Importance Code B		\$741,000
Importance Code C		\$196,500
Total	\$410,200	\$937,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$71,300		\$1,600	
Interior Architecture	\$108,400	\$1,200	\$12,200	\$2,800
Electrical	\$7,000	\$3,400	\$3,500	\$6,300
Mechanical	\$35,600	\$3,800	\$6,600	\$3,100
Site Enclosure	\$2,900			
Site Pavements	\$13,200			
Total	\$238,500	\$8,400	\$23,800	\$12,200
Importance Code A	\$72,900	\$1,600	\$3,100	\$1,600
Importance Code B	\$116,100	\$6,800	\$20,700	\$9,300
Importance Code C	\$49,500			\$1,300
Total	\$238,500	\$8,400	\$23,800	\$12,200



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. # 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									
	Alum/Vinyl Siding	2%			2054	**	10	\$400	
	Cast Stone/Terra Cotta	5%			LIFE	**	5	\$43,800	
	Masonry: Brick	83%	Now	\$410,200	LIFE	**	5	\$46,500	
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									
Spalling, Extent : Moderate, Area Affected : 5%									
Location : Spalling Throughout									
Water Penetration, Extent : Moderate, Area Affected : 5%									
Location : Hall Connector									
	Stucco Cement	5%			2039	**	5	\$7,000	
	Wood	5%	Now	\$26,000	2039	**	5	\$7,000	
Deteriorated Finish, Extent : Moderate, Area Affected : 50%									
Location : Eaves, Cornices, And Entry Canopies									
Dry Rot/Decay, Extent : Moderate, Area Affected : 50%									
Location : Eaves And Cornices									
Windows									
	Aluminum	100%	Now	\$18,700	2042	**	5	\$1,800	
Ctrwt/Balnc Not Funct, Extent : Light, Area Affected : 10%									
Location : Throughout									
Caulking Deteriorated, Extent : Light, Area Affected : 10%									
Location : Throughout									
Weather Strip Missing, Extent : Light, Area Affected : 10%									
Location : Throughout									
Roof									
	Asphalt Shingle	98%	Now	\$3,400	2037	**			
Water Penetration, Extent : Moderate, Area Affected : 5%									
Location : 3rd Floor Laboratory									
	Metal Panel	2%			2047	**	10	\$1,100	
Soffits									
	Exposed Struc: Steel	50%	4+	\$1,300	LIFE	**	5	\$600	
Corrosion/Rusting, Extent : Moderate, Area Affected : 20%									
Location : Underside Of Stair platform									
	Wood	50%			2047	**	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
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									
Floors									
	Carpet	5%			2035	**	3	\$3,600	
	Cast in Place Concrete	10%			LIFE	**	5	\$21,300	
	Ceramic Tile	10%	Now	\$5,900	2043	**	5	\$2,400	
	Broken/Missing Elements, Extent : Light, Area Affected : 1%								
	Location : Showers And Bathrooms								
	Misaligned/Bulging, Extent : Moderate, Area Affected : 2%								
	Location : Showers								
	Sheet Vinyl/Rubber	25%			2039	**	5	\$18,200	
	Other Observation, Extent : N/A, Area Affected : 50%								
	Location : 1st Floor								
	Explanation : Vinyl Sheet								
	Sheet Vinyl/Rubber	25%			2039	**	5	\$18,200	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : 2nd, 3rd Floor And Stair Landings								
	Explanation : Rubber Tiles								
	Vinyl Tile	25%	Now	\$36,000	2044	**	3	\$4,600	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 20%								
	Location : Cafeteria								
	Loose/Delam Surface, Extent : Severe, Area Affected : 5%								
	Location : 2nd And 3rd Floors								
Interior Walls									
	Ceramic Tile	5%			2043	**	5	\$2,600	
	Concrete Masonry Unit	5%			LIFE	**	5	\$2,100	
	Gypsum Board	35%			LIFE	**	5-10	\$31,200	
	Plaster	55%	Now	\$15,000	LIFE	**	5	\$8,600	
	Paint Peeling, Extent : Moderate, Area Affected : 10%								
	Location : 3rd Floor								
	Water Penetration, Extent : Moderate, Area Affected : 5%								
	Location : Building Connector Hall								
Ceilings									
	AcousTileSusp.Lay-In	50%			2047	**	5	\$24,300	
	Gypsum Board	20%	Now	\$3,600	LIFE	**	5	\$12,200	
	Water Penetration, Extent : Moderate, Area Affected : 5%								
	Location : 3rd Floor Laboratory								
	Plaster	30%			LIFE	**	5-10	\$25,100	
Site Enclosure									
	Fence/Gates								
	Wood	100%			2032	\$196,500			

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. # 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	

Site Enclosure

Retaining Walls

Concrete Masonry Unit 35% Now \$1,600 2044 * *

Misaligned/Bulging, Extent : Moderate, Area Affected : 10%

Location : Rear Parking Lot

Concrete Masonry Unit 30% Now \$1,300 2044 * *

Cracking/Crumbling, Extent : Moderate, Area Affected : 20%

Location : Rear Mechanical Room

Other Observation, Extent : Light, Area Affected : 100%

Location : Rear Mechanical Room Retaining Wall

Explanation : Stucco Surface Delamination

Masonry: Brick 35% 2054 * *

Site Pavements

On-Site Walkways

Cast in Place Concrete 70% 2047 * *

Steel Grating 30% 2044 * * 1

Other Observation, Extent : Light, Area Affected : 100%

Location : Exterior Fire Escape

Explanation : Fire Exscapes

Parking/Driveway

Asphalt 75% 2037 * *

Cast in Place Concrete 25% Now \$13,200 2039 * *

Cracking/Crumbling, Extent : Moderate, Area Affected : 15%

Location : Rear Parking Lot, Americans With Disabilities Act 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% 2054 * * 5 \$100

Other Observation, Extent : N/A, Area Affected : 100%

Location : Electrical Room

Explanation : Main Service Disconnect Switch Rated At 600 Amperes.

Switchgear / Switchboard

Fused Disc Sw 100% 2054 * * 5 \$100

Raceway

Conduit 40% 2054 * * 1

Conduit 60% 2034 \$2,800 1

Panelboards

Fused Disc Sw 2% 2050 * * 5

Fused Disc Sw 3% 2033 \$600 5

Molded Case Bkrs 30% 2050 * * 5 \$300

Molded Case Bkrs 65% 2033 \$13,900 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
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
Under 600 Volts									
Wiring									
	Braided Cloth	10%	2-4	\$1,000	2059	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%									
Location : Basement And 3rd Floor									
	Thermoplastic	30%			2054	* *	1		
	Thermoplastic	60%			2034	\$5,800	1		
Motor Controllers									
	Locally Mounted	100%			2032	\$49,200	5	\$200	
Ground									
Grounding Devices									
	Generic	100%			LIFE	* *	5	\$900	
Stand-by Power									
Transfer Switches									
	Automatic	100%			2047	* *	1	\$9,800	
Generators									
	Diesel	100%			2043	* *	1	\$12,400	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Outside									
Explanation : Emergency Generator Rated At 250 Kilowatts									
Batteries									
	Lead/Acid	100%			2028	\$2,600	5	\$1,200	
Fuel Storage									
	Main Tank	100%			2062	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Outside									
Explanation : 250 Gallons Rated Capacity									
Lighting									
Interior Lighting									
	Fluorescent	5%			2029	\$12,100	10	\$1,500	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : 3rd Floor									
Explanation : T-12 Lamps									
	LED	95%			2039	* *			
Egress Lighting									
	Emergency, Service	48%			2039	* *	1		
	Emergency, Service	10%			2029	\$2,100	1		
	Emergency, Battery	2%			2039	* *	10	\$200	
	Exit, Service	40%			2039	* *	1		
Exterior Lighting									
	HID	20%			2034	\$31,900	10		
	LED	10%			2039	* *			
	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.*

Electrical									
System Component Type	Current Repair			Future Replacement		Maintenance		Priority	
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		

Alarm

Security System					
Generic	100%	2039	**	1	\$11,900

Other Observation, Extent : Light, Area Affected : 100%

Location : Hallways And 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					
Fuel Oil No 2	70%	2054	**	5	\$6,900

Other Observation, Extent : Light, Area Affected : 100%

Location : Outside

Explanation : 1,800 Gallon Double Wall Tank With Leak Detection Serves Front Building

Fuel Oil No 2	30%	2054	* *	5	\$3,000
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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%	2039	**	1	\$4,700

Other Observation, Extent : Light, Area Affected : 100%

Location : Rear Side Basement

Explanation : 1 Unit Serves Rear Building

Hot Water Boiler	70%	2051	**	1	\$11,000
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : 2 Units

Distribution

Hot Wtr Piping/Pump	10%	Now	\$1,500	2042	**	4	\$200
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Other Observation, Extent : Moderate, Area Affected : 5%

Location : 1st Floor Female Locker Room And Side Entrance

Explanation : Not Enough Heat

Hot Wtr Piping/Pump	90%	2042	**	4	\$2,100
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Terminal Devices

Convactor/Radiator	95%	2047	**	1	\$9,800
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Fan Coil Unit/Heat	5%	2039	**	1	\$500
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Controls

Electrical	100%	2029	\$190,000
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Air Conditioning

Energy Source				
Electricity	100%	2042	**	1

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 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
Air Conditioning									
	Conversion Equipment Split Unit	40%			2039	* *			
		Other Observation, Extent : Light, Area Affected : 100% Location : Rear Out Side Of The Building Explanation : 6 Units. R-410a.							
	Window/Wall Unit	30%	0-2	\$23,300	2034	\$38,900	1		
		Malfunctioning, Extent : Moderate, Area Affected : 100% Location : Various Locations In Front Building							
	Window/Wall Unit	30%			2029	\$38,900	1		
Terminal Devices									
	Fan Coil - 2 Pipe	40%			2039	* *	1	\$4,100	
	No Component	60%							
Heat Rejection									
	Air Cooled Condenser Unit	40%			2039	* *	2	\$8,900	
	No Component	60%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	30%			LIFE	* *	2-5	\$8,400	
	No Component	70%							
Exhaust Fans									
	Interior	30%			2042	* *	2	\$300	
	No Component	70%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	5%	0-2	\$400	2044	* *	1		
		Not Insulated, Extent : Moderate, Area Affected : 10% Location : Boiler Rooms							
	Brass/Copper	95%			2044	* *	1		
Water Heater With Tanks									
	Oil Fired	70%			2029	\$331,300	1		
		Other Observation, Extent : Light, Area Affected : 100% Location : Rear Of Basement Explanation : Two 90 Gallon Units							
	Oil Fired	30%			2034	\$142,000	1		
		Other Observation, Extent : Light, Area Affected : 100% Location : Front Side Basement Explanation : 1 Brand New 70 Gallon Unit							
Sanitary Piping									
	Cast Iron	10%	Now	\$2,200	LIFE	* *	1		
		Blockage /Clogged, Extent : Severe, Area Affected : 5% Location : 1st Floor Mens Bathroom							
	Cast Iron	90%			LIFE	* *	1		
Sump Pump(s)									
	Submersible	100%			2027	\$1,100	4	\$1,000	

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** 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
Plumbing									
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.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$565,300	
Mechanical	\$195,400	\$106,600
Total	\$760,700	\$106,600
Importance Code A	\$565,300	
Importance Code B	\$195,400	\$106,600
Total	\$760,700	\$106,600

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$98,200			
Mechanical	\$69,900	\$600	\$2,700	\$600
Site Enclosure	\$3,700			
Total	\$171,800	\$600	\$2,700	\$600
Importance Code A	\$133,400	\$600	\$600	\$600
Importance Code B	\$38,400		\$2,100	
Total	\$171,800	\$600	\$2,700	\$600



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 332 FORMER THEATRE
Asset # : 13766

Architecture		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior									
Exterior Walls									
	Cast in Place Concrete	10%	Now	\$87,700	LIFE	* *	5	\$11,400	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
		Location : Various Locations Around Building							
	Masonry: Brick	85%	Now	\$341,800	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	\$26,400	2050	* *	5	\$2,800	1
		Dry Rot/Decay, Extent : Severe, Area Affected : 100%							
		Location : Front Entry Columns							
Windows									
	Wood	100%	Now	\$48,300	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	\$135,900	LIFE	* *			
		Broken/Missing Elements, Extent : Moderate, Area Affected : 5%							
		Location : Various Locations							
Soffits									
	Stucco Cement	100%	Now	\$23,400	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 : N/A, 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 \$3,700 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 : N/A, 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

\$16,100

2060

* *

5

\$1,000

*Abandoned in Place, Extent : Severe, Area Affected : 100%**Location : Basement**Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout**Explanation : This Is An Abandoned Building*

Conversion Equipment

Steam Boiler

100%

Now

\$35,200

2050

* *

1

\$5,600

*Abandoned in Place, Extent : Severe, Area Affected : 100%**Location : Basement*

Distribution

Not Accessible

100%

Terminal Devices

Not Accessible

100%

Air Conditioning

Energy Source

Electricity

100%

Now

\$18,500

2055

* *

1

*Abandoned in Place, Extent : Severe, Area Affected : 100%**Location : 2nd Floor*

Conversion Equipment

Interior Pkg Unit -
Cooling

100%

Now

\$106,600

2031

\$106,600

2

\$300

*Abandoned in Place, Extent : Severe, Area Affected : 100%**Location : 2nd Floor*

Distribution

Ductwork/Diffusers

100%

Now

\$88,800

LIFE

* *

2

\$8,200

*Abandoned in Place, Extent : Severe, Area Affected : 100%**Location : 2nd Floor*

Plumbing

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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** 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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 04-May-2023 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$132,600	
Interior Architecture		\$565,700
Electrical		\$133,700
Mechanical		\$256,000
Site Pavements	\$89,100	\$51,900
Total	\$221,600	\$1,007,200
Importance Code A	\$132,600	
Importance Code B		\$955,300
Importance Code C	\$89,100	\$51,900
Total	\$221,600	\$1,007,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$49,100			
Interior Architecture	\$183,200		\$700	\$2,300
Electrical	\$14,600	\$2,200	\$2,200	\$2,700
Mechanical	\$28,000	\$2,300	\$2,600	\$2,300
Site Enclosure	\$400			
Site Pavements	\$2,300	\$600	\$100	\$100
Total	\$277,500	\$5,100	\$5,600	\$7,400
Importance Code A	\$50,800	\$1,700	\$1,700	\$1,700
Importance Code B	\$201,200	\$2,800	\$3,800	\$5,600
Importance Code C	\$25,500	\$600	\$100	\$100
Total	\$277,500	\$5,100	\$5,600	\$7,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
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	\$3,400	2044	* *			
		Broken/Missing Elements, Extent : Severe, Area Affected : 2% Location : Near Americans With Disabilities Act Ramp							
	Cast in Place Concrete	5%	Now	\$13,800	LIFE	* *	5	\$5,400	1
		Cracking/Crumbling, Extent : Severe, Area Affected : 50% Location : Base Of Building							
	Masonry: Brick	70%	Now	\$132,600	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 : 15% Location : Various Locations							
	Masonry: Fieldstone	8%	4+	\$3,800	LIFE	* *	5	\$1,300	
		Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 10% Location : Cellar Entry							
	Wood	2%	Now	\$3,000	2039	* *	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%	Now	\$20,800	2042	* *	5	\$24,100	
		Air Infiltration, Extent : Moderate, Area Affected : 75% Location : Window Air Conditioning Units Ctrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10% Location : Throughout Unit Inoperable, Extent : Moderate, Area Affected : 10% Location : Throughout Water Penetration, Extent : Severe, Area Affected : 5% Location : Basement							
Roof									
	Asphalt Shingle	100%	Now	\$4,400	2037	* *			
		Water Penetration, Extent : Moderate, Area Affected : 5% Location : Lobby And Tailor Service							
Soffits									
	Alum/Vinyl Siding	100%			2054	* *	10		

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
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	\$10,100	LIFE	* *	5	\$12,200	
	Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
	Location : Basement								
	Ceramic Tile	5%			2037	* *	5	\$1,400	
	Sheet Vinyl/Rubber	10%	Now	\$19,500	2034	\$195,100	5	\$2,100	
	Seams Open/Split, Extent : Moderate, Area Affected : 10%								
	Location : Lobby Entry								
	Vinyl Tile	45%	Now	\$37,100	2034	\$370,600	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								
	Other Observation, Extent : Severe, Area Affected : 5%								
	Location : Tailor Service Around Radiator								
	Explanation : Substrate Rotted Out								
	Vinyl Tile 9" X 9"	20%	Now	\$47,700	2044	* *	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%	Now	\$500	2037	* *	5	\$200	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
	Location : Bathrooms								
	Gypsum Board	35%			LIFE	* *	5-10	\$13,000	
	Masonry: Brick	5%			LIFE	* *	10	\$300	
	Plaster	45%			LIFE	* *	5-10	\$8,300	
	Wood	13%	Now	\$8,600	LIFE	* *	5	\$11,300	
	Water Penetration, Extent : Moderate, Area Affected : 5%								
	Location : Basement Storage								
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Lobby And Basement								
	Explanation : Wainscot And Wall Paneling								

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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

Ceilings

AcousTileSusp.Lay-In	40%			2039	**	5	\$11,100	
Embossed Metal	5%	Now	\$15,700	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	\$11,700	LIFE	**	5	\$15,600	
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Broken/Missing Elements, Extent : Light, Area Affected : 30%

Location : Basement

Cracking/Crumbling, Extent : Light, Area Affected : 20%

Location : Throughout

Plaster	10%	Now	\$18,100	LIFE	**	5	\$1,700	
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Cracking/Crumbling, Extent : Severe, Area Affected : 20%

Location : Basement

Site Enclosure

Retaining Walls

Cast in Place Concrete	100%	Now	\$400	2069	**			
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Cracking/Crumbling, Extent : Severe, Area Affected : 80%

Location : Entry Ramp Wall

Site Pavements

On-Site Walkways

Cast in Place Concrete	80%	4+	\$2,300	2047	**			
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Cracking/Crumbling, Extent : Moderate, Area Affected : 10%

Location : Throughout

Wood	20%			2032	\$51,900	1-3	\$2,300	
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Front Porch

Explanation : Composite Deck Material

Parking/Driveway

Asphalt	100%	Now	\$89,100	2037	**			
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Cracking/Crumbling, Extent : Moderate, Area Affected : 40%

Location : Parking Lot

Potholes, Extent : Moderate, Area Affected : 5%

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%			2044	**	5	\$100	
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : Main Service Disconnect Switch Rated At 400 Amperes.

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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
Under 600 Volts									
	Switchgear / Switchboard								
	Molded Case Bkrs	100%			2044	* *	5	\$500	
	Raceway								
	Conduit	90%			2034	\$4,300	1		
	Conduit	10%			2044	* *	1		
	Panelboards								
	Molded Case Bkrs	80%			2033	\$8,600	5	\$400	
	Molded Case Bkrs	20%			2042	* *	5	\$100	
	Wiring								
	Thermoplastic	80%			2034	\$7,800	1		
	Thermoplastic	20%			2044	* *	1		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$500	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2039	* *	1	\$5,400	
Lighting									
	Interior Lighting								
	Fluorescent	40%			2034	\$53,500	10	\$6,500	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : T-8 Lamps							
	Fluorescent	60%			2029	\$80,200	10	\$9,700	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : 1st Floor							
		Explanation : T-12 Lamps							
	Egress Lighting								
	Emergency, Battery	50%			2029	\$15,800	10	\$2,100	
	Exit, Service	50%			2029	\$3,200	1		
	Exterior Lighting								
	HID	10%			2029	\$8,800	10		
	Incandescent	10%			2029	\$10,100	2		
	No Component	80%							
Alarm									
	Security System								
	Generic	100%			2042	* *	1	\$6,600	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Hallways And Outside Perimeter							
		Explanation : CCTV Surveillance Cameras							
	Fire/Smoke Detection								
	Generic, Analog	100%			2029	\$48,700	1-3	\$11,200	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Throughout The Building							
		Explanation : Strobe Lights, Manual Pull Stations, Alarm Bells, Smoke Detectors And Horns							

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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 333 QUARTERMASTER
Asset # : 13767

Mechanical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Energy Source								
	Fuel Oil No 2	100%			2044	* *	5	\$5,500	
	Conversion Equipment								
	Steam Boiler	100%			2051	* *	1	\$17,400	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Basement Mechanical Room								
	Explanation : One Oil Fired Steam Boiler								
	Distribution								
	Steam Piping/Pump	5%	0-2	\$400	2034	\$7,600			
	Insul. Deteriorating, Extent : Moderate, Area Affected : 20%								
	Location : Basement								
	Steam Piping/Pump	95%			2034	\$143,500			
	Terminal Devices								
	Convactor/Radiator	100%			2039	* *	1	\$5,700	
	Controls								
	Electrical	100%			2029	\$104,900			
Air Conditioning									
	Energy Source								
	Electricity	100%			2042	* *	1		
	Conversion Equipment								
	Split Unit	5%	0-2	\$6,700	2044	* *			
	Not in Service, Extent : Severe, Area Affected : 100%								
	Location : Communication Equipment Room								
	Window/Wall Unit	25%			2029	\$17,900	1		
	Window/Wall Unit	25%	Now	\$17,900	2034	\$17,900	1		
	Malfunctioning, Extent : Severe, Area Affected : 60%								
	Location : Various Locations								
	Not Energy Efficient, Extent : Moderate, Area Affected : 100%								
	Location : Various Locations								
	On Extended Life, Extent : Severe, Area Affected : 100%								
	Location : Various Locations								
	No Component	45%							
	Terminal Devices								
	Fan Coil - 2 Pipe	5%			2029	\$15,800	1	\$300	
	No Component	95%							
	Heat Rejection								
	Air Cooled Condenser Unit	5%			2029	\$1,500	2	\$600	
	No Component	95%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	10%			LIFE	* *	2-5	\$1,600	
	No Component	90%							
	Exhaust Fans								
	Roof	10%			2029	\$3,700	2	\$100	
	No Component	90%							

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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 333 QUARTERMASTER
Asset # : 13767

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2044	* *	1		
	Water Heater With Tanks								
	Electric	100%			2032	\$25,300	4		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : One 50 Gallon Unit							
	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 01-Jun-2023 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$170,200	\$122,400
Interior Architecture	\$152,700	\$130,600
Electrical		\$386,700
Mechanical	\$96,400	\$399,500
Site Pavements	\$53,600	
Total	\$472,900	\$1,039,100
Importance Code A	\$170,200	\$184,700
Importance Code B	\$181,300	\$854,400
Importance Code C	\$121,400	
Total	\$472,900	\$1,039,100

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$23,800			
Interior Architecture	\$42,400		\$10,800	\$16,000
Electrical	\$4,700	\$3,900	\$7,300	\$3,900
Mechanical	\$5,100	\$2,800	\$2,400	\$2,800
Site Pavements	\$5,700			
Total	\$81,700	\$6,700	\$20,500	\$22,700
Importance Code A	\$25,000	\$1,200	\$1,200	\$1,200
Importance Code B	\$35,600	\$5,600	\$16,300	\$21,500
Importance Code C	\$21,100		\$3,100	
Total	\$81,700	\$6,700	\$20,500	\$22,700



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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	\$3,700	LIFE	**	5	\$5,800	
	Cracking/Crumbling, Extent : Severe, Area Affected : 1%								
	Location : Boiler Room Entrance, Steps At Entry								
	Water Penetration, Extent : Moderate, Area Affected : 5%								
	Location : Basement Laundry Room								
	Cast Stone/Terra Cotta	2%			LIFE	**	5	\$18,200	
	Masonry: Brick	96%			LIFE	**	5	\$112,100	
Windows									
	Steel	2%	Now	\$10,900	2042	**	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	\$114,200	2050	**	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									
	Not Accessible	100%							
	Other Observation, Extent : N/A, Area Affected : 0%								
	Location : Parking Lot Side								
	Explanation : Leader Disconnected								
Interior									
Floors									
	Carpet	70%			2030	\$585,300	3	\$61,700	
	Staining/Discoloring, Extent : Light, Area Affected : 5%								
	Location : Throughout								
	Cast in Place Concrete	10%	Now	\$8,000	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%			2047	**	5	\$11,000	
	Vinyl Tile	10%	Now	\$2,600	2034	\$130,600	3	\$1,700	
	Broken/Missing Elements, Extent : Light, Area Affected : 5%								
	Location : Kitchen								

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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	\$67,800	LIFE		**			
<i>Diagonal Cracks, Extent : Moderate, Area Affected : 2%</i>									
<i>Location : Basement, Washroom Area</i>									
<i>Water Penetration, Extent : Severe, Area Affected : 5%</i>									
<i>Location : Basement, Washroom Area</i>									

Ceramic Tile	15%			2037		**	5	\$6,200	
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Concrete Masonry Unit	65%			LIFE		**	5	\$21,600	
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Cracking/Crumbling, Extent : Moderate, Area Affected : 20%

Location : Basement, Washroom Area

Gypsum Board	10%			LIFE		**	5-10	\$7,100	
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Ceilings

AcousTileSusp.Lay-In	10%			2047		**	5	\$4,400	
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Exposed Struc: Concrete	2%			LIFE		**	5-10	\$1,100	
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Gypsum Board	88%			LIFE		**	5-10	\$133,400	
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Site Enclosure

Retaining Walls

Cast in Place Concrete	100%			2054		**			
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Site Pavements

On-Site Walkways

Cast in Place Concrete	100%	Now	\$5,700	2047		**			
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Cracking/Crumbling, Extent : Severe, Area Affected : 40%

Location : Walkways

Parking/Driveway

Asphalt	100%	Now	\$53,600	2037		**			
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Cracking/Crumbling, Extent : Moderate, Area Affected : 10%

Location : Parking Lot

Ponding, Extent : Light, Area Affected : 15%

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

Over 600 Volts

Service Equipment

Oil Fuse Cutout	100%			2034		\$62,400	3	\$100	
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Transformers

Dry Type	100%			2032		\$181,700	3	\$100	
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Outside

Explanation : 300 Kilovolt Amperes, 4,160 Volts Primary, 208/ 120 Volts Secondary

Feeders

Cable	100%			2033		\$21,800	1		
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Raceway

Conduit	100%			2034		\$52,500	1		
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Under 600 Volts

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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 336 FLSTP BILLETS
Asset # : 13768

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% 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%			2044	* *	5	\$100	
			Other Observation, Extent : N/A, Area Affected : 100%						
			Location : Basement						
			Explanation : Main Service Disconnect Switch Rated At 800 Amperes.						
	Switchgear / Switchboard								
	Fused Disc Sw	100%			2044	* *	5	\$100	
	Raceway								
	Conduit	100%			2044	* *	1		
	Panelboards								
	Molded Case Bkrs	100%			2042	* *	5	\$600	
	Wiring								
	Thermoplastic	100%			2044	* *	1		
	Motor Controllers								
	Locally Mounted	100%			2032	\$36,900	5	\$200	
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$700	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2039	* *	1	\$7,300	
	Generators								
	Diesel	100%			2037	* *	1	\$9,200	
			Other Observation, Extent : N/A, Area Affected : 100%						
			Location : Outside						
			Explanation : Emergency Generator Rated At 80 Kilowatts						
	Batteries								
	Lead/Acid	100%			2027	\$2,600	5	\$900	
	Fuel Storage								
	Main Tank	100%			2049	* *	5		
			Other Observation, Extent : N/A, Area Affected : 100%						
			Location : Outside						
			Explanation : 60 Gallons Rated Capacity						
Lighting									
	Interior Lighting								
	Fluorescent	50%			2034	\$90,100	10	\$10,900	
			Other Observation, Extent : N/A, Area Affected : 100%						
			Location : Offices						
			Explanation : T-8 Lamps						
	LED	50%			2042	* *			
	Egress Lighting								
	Emergency, Service	50%			2034	\$7,800	1		
	Exit, Service	50%			2034	\$4,300	1		
	Exterior Lighting								
	HID	10%			2034	\$11,900	10		
	LED	20%			2042	* *			
	No Component	70%							

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Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
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
Generic

100% 2034 \$47,800 1 \$8,900
Other Observation, Extent : N/A, Area Affected : 100%
Location : Hallways
Explanation : Intrusion Alarm System. Motion Sensors

Fire/Smoke Detection
Generic, Analog

100% 2039 * * 1-3 \$14,600
Other Observation, Extent : N/A, 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% 2044 * * 5 \$7,400
Other Observation, Extent : N/A, Area Affected : 100%
Location : Rear Of Building
Explanation : Oil Tank Above Ground

Conversion Equipment
Hot Water Boiler

100% 2039 * * 1 \$11,700
Other Observation, Extent : N/A, Area Affected : 100%
Location : Basement
Explanation : 1 Unit

Distribution
Hot Wtr Piping/Pump

10% 0-2 \$1,100 2042 * * 4 \$100
Corroded, Extent : Moderate, Area Affected : 20%
Location : Boiler Room

Hot Wtr Piping/Pump

90% 2033 \$50,100 4 \$1,600

Terminal Devices

Convactor/Radiator

100% 2032 \$208,000 1 \$7,700

Controls

Electrical

100% 2029 \$141,400

Air Conditioning

Energy Source
Electricity

100% 2042 * * 1

Conversion Equipment
Window/Wall Unit

100% 2027 \$96,400 1

Plumbing

H/C Water Piping
Brass/Copper

100% 2044 * * 1

Water Heater With Tanks
Electric

100% 2029 \$25,300 4

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 336 FLSTP BILLETS
Asset # : 13768

Mechanical		Current Repair		Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing								
	Sanitary Piping							
	Cast Iron	100%		LIFE	* *	1		
	Sump Pump(s)							
	Submersible	100%		2025	\$800	4	\$800	
	Fixtures							
	Generic	100%						
Fire Suppression								
	Sprinkler							
	Generic	100%		2054	* *	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.*

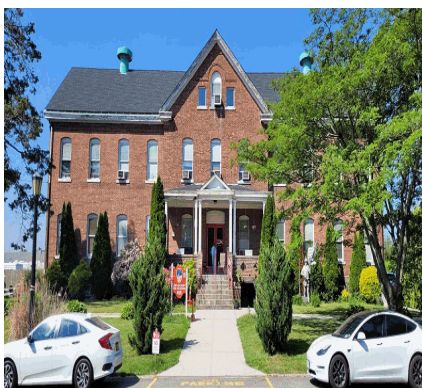
Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 01-Jun-2023 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,Att
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$225,900	
Interior Architecture		\$979,500
Electrical	\$61,900	\$85,000
Mechanical		\$500,700
Site Pavements	\$210,700	
Total	\$498,500	\$1,565,200
Importance Code A	\$225,900	
Importance Code B	\$61,900	\$1,565,200
Importance Code C	\$210,700	
Total	\$498,500	\$1,565,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$24,700			\$1,700
Interior Architecture	\$102,500		\$7,200	\$4,100
Electrical	\$11,400	\$3,600	\$6,500	\$4,100
Mechanical	\$8,000	\$3,600	\$3,100	\$3,600
Site Enclosure	\$400			
Site Pavements	\$6,400			
Total	\$153,300	\$7,200	\$16,800	\$13,500
Importance Code A	\$26,900	\$2,200	\$2,200	\$3,900
Importance Code B	\$97,400	\$5,000	\$14,000	\$9,600
Importance Code C	\$29,000		\$600	
Total	\$153,300	\$7,200	\$16,800	\$13,500



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
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	85%	Now	\$87,600	LIFE	* *	5	\$49,600	
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, Side Entrances And Columns								
Expansion Joint Failure, Extent : Moderate, Area Affected : 5%								
Location : Connection To Addition								
Misaligned/Bulging, Extent : Moderate, Area Affected : 5%								
Location : Side Entrances								
Masonry: Granite	10%			LIFE	* *	5	\$8,800	
Wood	5%	Now	\$20,300	2039	* *	5	\$7,300	1
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	100%	Now	\$138,300	2042	* *	5	\$6,800	
Air Infiltration, Extent : Severe, Area Affected : 100%								
Location : North Side								
Cttrwt/Balnc Not Funct, Extent : Moderate, Area Affected : 10%								
Location : Throughout								
Glazing Broken/Cracked, Extent : Moderate, Area Affected : 1%								
Location : North Side								
Water Penetration, Extent : Severe, Area Affected : 100%								
Location : North Side								
Roof								
Asphalt Shingle	90%			2043	* *	10	\$3,000	
Roll Roofing	10%			2033	\$14,100	5	\$3,400	
Soffits								
Plywood/Hardboard	40%			2054	* *	1		
Stucco Cement	60%			2039	* *	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
FORT TOTTEN - BLDG. # 405 EMS ACADEMY - CFR TRAINING
Asset # : 13772

Architecture		Current Repair			Future Replacement		Maintenance		
System	Component	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost	Priority
	Type	Total	(Years)		FY		(Yrs)		
Interior									
Floors									
	Cast in Place Concrete	10%			LIFE	**	5	\$19,300	
	Mosaic Tile	5%	4+	\$4,400	2039	**	5	\$2,800	
Broken/Missing Elements, Extent : Severe, Area Affected : 2%									
Location : Toilet Room									
	Vinyl Tile	75%	2-4	\$19,600	2034	\$979,500	3	\$12,400	
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%									
Location : 1st Floor									
	Wood	6%			2049	**	5	\$5,000	
	Wood	4%			2069	**	5	\$3,300	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Attic Lounge									
Explanation : Engineered Wood Plank									
Interior Walls									
	Ceramic Tile	3%			2037	**	5	\$1,200	
	Concrete Masonry Unit	3%			LIFE	**	5	\$1,000	
	Gypsum Board	21%	Now	\$6,600	LIFE	**	5	\$5,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%									
Location : Telecom Room									
	Masonry: Brick	3%			LIFE	**	10	\$400	
	Plaster	70%	Now	\$15,200	LIFE	**	5	\$8,700	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%									
Location : Stairways And 2nd Floor									
Ceilings									
	AcousTile,Adhered	10%	Now	\$3,000	2039	**	5	\$2,200	
Broken/Missing Elements, Extent : Light, Area Affected : 5%									
Location : Second Floor									
	AcousTileSusp.Lay-In	30%			2047	**	5	\$13,200	
	Plaster	60%	Now	\$43,100	LIFE	**	5	\$16,500	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%									
Location : 2nd Floor									
Paint Peeling, Extent : Light, Area Affected : 10%									
Location : 2nd Floor Classrooms									
Site Enclosure									
Retaining Walls									
	Masonry: Brick	100%	Now	\$400	2044	**			
Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 15%									
Location : Front Of Building									
Site Pavements									
On-Site Walkways									
	Asphalt	25%			2037	**			
	Cast in Place Concrete	75%	Now	\$6,400	2047	**			
Cracking/Crumbling, Extent : Moderate, Area Affected : 40%									
Location : Front Entrance Walkways And Steps, Property Sidewalks									

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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 405 EMS ACADEMY - CFR TRAINING
Asset # : 13772

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Site Pavements

Parking/Driveway

Asphalt

100% Now \$210,700 2049 * *

*Cracking/Crumbling, Extent : Severe, Area Affected : 100%**Location : Parking Area*

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Service Equipment

Fused Disc Sw

100% 2044 * * 5 \$100

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Outside**Explanation : Main Service Disconnect Switch Rated At 400 Amperes.*

Transformers

Dry Type

100% 2039 * * 5 \$100

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Outside**Explanation : 112.5 Kilovolt Amperes, 208 Volts Primary, 120 Volts Secondary*

Switchgear / Switchboard

Molded Case Bkrs

100% 2044 * * 5 \$600

Raceway

Conduit

30% 2044 * * 1

Conduit

70% 2034 \$3,300 1

Panelboards

Fused Disc Sw

20% 2033 \$4,300 5 \$100

Molded Case Bkrs

80% 2042 * * 5 \$500

Wiring

Thermoplastic

70% 2044 * * 1

Thermoplastic

30% 2034 \$2,900 1

Motor Controllers

Locally Mounted

100% 2039 * * 5 \$200

Ground

Grounding Devices

Generic

100% LIFE * * 5 \$700

Stand-by Power

Transfer Switches

Automatic

100% 2039 * * 1 \$6,900

Generators

Diesel

100% 2037 * * 1 \$8,700

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Outside**Explanation : Emergency Generator Rated At 80 Kilowatts*

Batteries

Lead/Acid

100% 2027 \$2,600 5 \$800

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG. # 405 EMS ACADEMY - CFR TRAINING
Asset # : 13772

Electrical		Current Repair		Future Replacement		Maintenance			
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%			2049	* *	5		
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Outside									
Explanation : 45 Gallons Rated Capacity									
Lighting									
	Interior Lighting								
	Fluorescent	40%			2029	\$68,000	10	\$8,200	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Offices									
Explanation : T-12 Lamps									
	Fluorescent	10%			2034	\$17,000	10	\$2,100	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Hallways									
Explanation : T-8 Lamps									
	LED	50%			2042	* *			
Egress Lighting									
	Emergency, Battery	50%			2039	* *	10	\$2,700	
	Exit, Service	50%			2039	* *	1		
Exterior Lighting									
	LED	30%			2042	* *			
	No Component	70%							
Alarm									
	Security System								
	Generic	100%			2039	* *	1	\$8,400	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Outside Perimeter									
Explanation : CCTV Surveillance Cameras									
Fire/Smoke Detection									
	Generic, Analog	100%	Now	\$61,900	2044	* *	1-3	\$12,500	
Other Observation, Extent : Severe, Area Affected : 100%									
Location : Throughout The Building									
Explanation : Fire Alarm System Is 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								
	Fuel Oil No 2	100%			2044	* *	5	\$6,900	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Basement									
Explanation : 2,000 Gallon Tank									

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** 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	
Heating									
Conversion Equipment									
Steam Boiler	100%			2039	* *	1	\$22,200		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Explanation : 1 Unit								
Distribution									
Steam Piping/Pump	100%			2044	* *				
Terminal Devices									
Convactor/Radiator	100%			2039	* *	1	\$7,200		
Controls									
Electrical	100%			2029	\$133,400				
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Throughout								
	Explanation : There Is Only One Thermostat, No Zoning Temperature Control Causing Temperature Issue In Some Areas In The Building.								
Air Conditioning									
Energy Source									
Electricity	100%			2042	* *	1			
Conversion Equipment									
Split Unit	15%			2034	\$85,500				
	R-410a Refrigerant, Extent : Light, Area Affected : 100%								
	Location : 3 Units, 2nd Floor Training Room								
Window/Wall Unit	85%			2029	\$77,300	1			
Terminal Devices									
Fan Coil - 2 Pipe	15%			2034	\$109,800	1	\$1,100		
No Component	85%								
Heat Rejection									
Dry Cooler	15%			2034	\$16,500	2	\$2,300		
No Component	85%								
Plumbing									
H/C Water Piping									
Brass/Copper	15%	0-2	\$900	2044	* *	1			
	Not Insulated, Extent : Moderate, Area Affected : 10%								
	Location : Basement								
Brass/Copper	85%			2044	* *	1			
Water Heater With Tanks									
Oil Fired	100%			2032	\$94,600	1			
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Explanation : One 70 Gallon Unit								
Sanitary Piping									
Cast Iron	50%	Now	\$3,000	LIFE	* *	1			
	Blockage /Clogged, Extent : Severe, Area Affected : 5%								
	Location : Front, Rear Entrances And Basement Mens Bathroom								
Cast Iron	50%			LIFE	* *	1			
Sump Pump(s)									
Submersible	100%			2025	\$700	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
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
Plumbing									
	Fixtures								
	Generic	100%							
Fire Suppression									
	Sprinkler								
	No Component	90%							
	Generic	10%			2034	\$33,200	1-2	\$600	

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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 10-May-2023 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,Att
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture		\$43,800
Mechanical		\$153,000
Site Pavements		\$239,800
Total		\$436,700
Importance Code B		\$196,800
Importance Code C		\$239,800
Total		\$436,700

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$31,700		\$5,300	
Interior Architecture	\$44,800	\$3,300	\$1,100	\$200
Electrical	\$100			
Mechanical	\$2,100	\$1,200	\$1,900	\$1,200
Site Pavements	\$4,200	\$2,700	\$400	\$400
Total	\$83,000	\$7,200	\$8,700	\$1,800
Importance Code A	\$32,400	\$700	\$6,100	\$700
Importance Code B	\$35,200	\$3,800	\$2,000	\$700
Importance Code C	\$15,400	\$2,700	\$600	\$400
Total	\$83,000	\$7,200	\$8,700	\$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
FORT TOTTEN - BLDG. # 415 FLSTP - DINING HALL
Asset # : 13777

Architecture		Current Repair			Future Replacement		Maintenance		
System	Component	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost	Priority
	Type	Total	(Years)		FY		(Yrs)		
Exterior									
	Exterior Walls								
	Masonry: Brick	80%			LIFE	**	5	\$20,600	
		Efflorescence, Extent : Light, Area Affected : 5%							
		Location : 415a Front Door							
	Masonry: Granite	5%			LIFE	**	5	\$1,000	
	Wood	15%			2047	**	5	\$9,600	
Windows									
	Vinyl-Clad Wood	100%			2047	**	5	\$300	
Roof									
	Modified Bitumen	25%			2039	**	10	\$7,000	
	Slate	75%			LIFE	**	10	\$20,900	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Main Roof							
		Explanation : Synthetic Slate Roof							
Soffits									
	Wood	100%			2047	**	5	\$800	
Interior									
	Floors								
	Cast in Place Concrete	20%			LIFE	**	5	\$13,000	
	Ceramic Tile	3%			2047	**	5	\$400	
	Ceramic Tile	2%			2037	**	5	\$300	
	Vinyl Tile	25%			2039	**	3	\$1,400	
	Vinyl Tile	10%	Now	\$900	2034	\$43,800	3	\$600	
		Broken/Missing Elements, Extent : Light, Area Affected : 5%							
		Location : Throughout Side 415 B							
	Wood	40%	0-2	\$18,900	2062	**	5	\$5,600	
		Deteriorated Finish, Extent : Severe, Area Affected : 40%							
		Location : 415 B							
Interior Walls									
	Ceramic Tile	3%			2047	**	5	\$400	
	Ceramic Tile	2%	Now	\$300	2037	**	5	\$100	
		Broken/Missing Elements, Extent : Light, Area Affected : 5%							
		Location : 1st Floor Bathroom 415 B							
	Gypsum Board	45%			LIFE	**	5-10	\$11,200	
	Masonry: Brick	5%			LIFE	**	10	\$200	
	Metal Panel	5%			LIFE	**	10	\$300	
	Plaster	40%	2-4	\$3,100	LIFE	**	5	\$1,800	
		Cracking/Crumbling, Extent : Light, Area Affected : 5%							
		Location : Throughout 415 B							
Ceilings									
	AcousTileSusp.Lay-In	45%			2051	**	5	\$6,700	
	Embossed Metal	15%			LIFE	**	5	\$2,000	
	Exposed Struc: Wood	20%			LIFE	**	10	\$4,400	
	Plaster	20%	2-4	\$1,900	LIFE	**	5	\$1,900	
		Cracking/Crumbling, Extent : Light, Area Affected : 5%							
		Location : 415 B							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. 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	

Site Pavements

On-Site Walkways

Cast in Place Concrete 40% Now \$1,700 2039 * *

Cracking/Crumbling, Extent : Light, Area Affected : 10%

Location : Throughout Walkways

Sinking/Subsiding, Extent : Moderate, Area Affected : 5%

Location : Front Entry Walkway

Wood 60% 2032 \$239,800 1-3 \$10,600

Parking/Driveway

Cast in Place Concrete 100% 0-2 \$2,100 2039 * *

Cracking/Crumbling, Extent : Light, 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% 2054 * * 5

Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : Two Main Service Disconnect Switches Rated At 100 Amperes Each.

Raceway

Conduit 50% 2034 \$2,400 1

Conduit 50% 2054 * * 1

Panelboards

Molded Case Bkrs 100% 2050 * * 5 \$300

Wiring

Thermoplastic 100% 2054 * * 1

Ground

Grounding Devices

Not Accessible 100%

Lighting

Interior Lighting

Fluorescent 10% 2039 * * 10 \$900

Other Observation, Extent : N/A, Area Affected : 100%

Location : 1st , 2nd Floor

Explanation : Compact Fluorescent Lights

Fluorescent 60% 2039 * * 10 \$5,400

Other Observation, Extent : N/A, Area Affected : 100%

Location : Throughout The Building

Explanation : T-8 Lamps

LED 30% 2039 * *

Exterior Lighting

HID 20% 2039 * * 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. # 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									
	Energy Source								
	Fuel Oil No 2	100%			2054	* *	5	\$3,100	
		Other Observation, Extent : N/A, 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 : N/A, Area Affected : 100%							
		Location : A Side Basement							
		Explanation : 1 Unit							
	Steam Boiler	50%			2047	* *	1	\$4,900	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : B Side Basement							
		Explanation : 1 Unit							
Distribution									
	Hot Wtr Piping/Pump	50%	0-2	\$200	2050	* *	4	\$200	
		Insul. Deteriorating, Extent : Moderate, Area Affected : 60%							
		Location : A Side Basement							
	Steam Piping/Pump	50%			2034	\$42,500			
Terminal Devices									
	Convactor/Radiator	50%			2047	* *	1	\$1,600	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : A Side Throughout							
		Explanation : Radiators							
	Convactor/Radiator	50%			2032	\$43,400	1	\$1,600	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : B Side Throughout							
		Explanation : Radiators							
Controls									
	Electrical	100%			2029	\$59,000			
Air Conditioning									
	Energy Source								
	Electricity	100%			2050	* *	1		
	Conversion Equipment								
	Split Unit	50%			2039	* *			
		R-410a Refrigerant, Extent : Light, Area Affected : 100%							
		Location : 4 Units In A Side.							
	Window/Wall Unit	50%			2029	\$20,100	1		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Throughout B Side.							
		Explanation : Multiple Units							
Terminal Devices									
	Fan Coil - 2 Pipe	50%			2039	* *	1	\$1,600	
	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. # 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
Air Conditioning									
	Heat Rejection								
	Dry Cooler	50%			2039	* *	2	\$3,400	
	No Component	50%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	50%			2060	* *	1		
	Brass/Copper	50%			2044	* *	1		
	Water Heater With Tanks								
	Electric	100%			2029	\$50,700	4		
				Other Observation, Extent : N/A, Area Affected : 100%					
				Location : A And B Side Baement					
				Explanation : One 40 Gallon Unit In Each Side					
	Sanitary Piping								
	Cast Iron	50%			LIFE	* *	1		
				Recent Replace Evident, Extent : N/A, Area Affected : 100%					
				Location : A Side					
	Cast Iron	50%			LIFE	* *	1		
Fixtures									
	Generic	50%							
				Other Observation, Extent : N/A, Area Affected : 100%					
				Location : A Side					
				Explanation : New Renovated					
	Generic	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.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 11-May-2023 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$104,200		\$2,700	
Interior Architecture	\$46,200		\$500	\$100
Electrical	\$100			
Mechanical	\$700	\$500	\$500	\$400
Site Pavements	\$10,700			
Total	\$161,900	\$500	\$3,700	\$400
Importance Code A	\$104,400	\$200	\$2,900	\$200
Importance Code B	\$40,400	\$200	\$800	\$100
Importance Code C	\$17,100			\$100
Total	\$161,900	\$500	\$3,700	\$400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 134 A AND B 1B MEDICAL BOARD
Asset # : 13741

Architecture		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Exterior									
Exterior Walls									
	Cast in Place Concrete	10%	Now	\$27,000	LIFE	* *	5	\$7,000	
Broken/Missing Elements, Extent : Moderate, Area Affected : 15%									
Location : Exterior Stairs And Railing									
Spalling, Extent : Moderate, Area Affected : 30%									
Location : Exterior Stairs									
	Masonry: Brick	70%	Now	\$43,400	LIFE	* *	5	\$9,800	
Cracking/Crumbling, Extent : Light, Area Affected : 5%									
Location : Throughout									
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%									
Location : Throughout									
Vegetation Growth, Extent : Moderate, Area Affected : 5%									
Location : Front And Side Elevations									
	Pre-Cast Concrete	5%			LIFE	* *	5	\$4,600	
	Wood	15%	Now	\$19,600	2039	* *	5	\$5,300	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									
	Vinyl-Clad Wood	100%			2047	* *	5	\$5,400	
Roof									
	Copper/Terne	20%	Now	\$3,100	2062	* *			
Other Observation, Extent : Moderate, Area Affected : 10%									
Location : Roof Surface									
Explanation : Flashing Misaligned And Deteriorated.									
	Slate	80%			LIFE	* *	10	\$8,800	
Interior									
Floors									
	Cast in Place Concrete	10%			LIFE	* *	5	\$2,600	
	Ceramic Tile	5%	Now	\$400	2043	* *	5	\$100	
Cracking/Crumbling, Extent : Severe, Area Affected : 5%									
Location : 2nd Floor Bathroom									
	Vinyl Tile	5%			2039	* *	3	\$100	
	Wood	80%	2-4	\$30,000	2062	* *	5	\$4,400	
Deteriorated Finish, Extent : Light, 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
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%			2043	**	5	\$200	
Gypsum Board	40%			LIFE	**	5-10	\$2,100	
Masonry: Brick	10%	Now	\$3,200	LIFE	**			

Paint Peeling, Extent : Moderate, Area Affected : 60%

Location : Basement

Spalling, Extent : Moderate, Area Affected : 30%

Location : Basement

Plaster	45%	Now	\$1,800	LIFE	**	5	\$400	
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Cracking/Crumbling, Extent : Light, Area Affected : 5%

Location : Throughout

Paint Peeling, Extent : Light, Area Affected : 2%

Location : Basement Stairwell

Water Penetration, Extent : Moderate, Area Affected : 5%

Location : Rear Porch

Ceilings

AcousTileSusp.Lay-In	15%			2047	**	5	\$900	
Plaster	85%	Now	\$8,100	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%			2054	**			
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Site Pavements

On-Site Walkways

Cast in Place Concrete	100%	Now	\$10,700	2047	**			
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Cracking/Crumbling, Extent : Light, Area Affected : 5%

Location : Throughout

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%			2054	**	5			
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : Two Main Service Disconnect Switches Rated At 100 Amperes Each.

Raceway

Conduit	90%			2054	**	1			
Conduit	10%			2034		\$500	1		

Panelboards

Molded Case Bkrs	100%			2050	**	5	\$100		
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Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
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
Under 600 Volts									
Wiring									
	Thermoplastic	80%			2054	* *	1		
	Thermoplastic	20%			2034	\$1,900	1		
Ground									
Grounding Devices									
	Generic	100%			LIFE	* *	5	\$100	
Lighting									
Interior Lighting									
	Fluorescent	100%			2039	* *	10	\$4,000	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Throughout The Building									
Explanation : T-8 Lamps									
Egress Lighting									
	Emergency, Battery	50%			2039	* *	10	\$500	
	Exit, Service	50%			2039	* *	1		
Exterior Lighting									
	HID	30%			2029	\$6,500	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								
	Fuel Oil No 2	100%			2054	* *	5	\$1,300	
	Conversion Equipment								
	Hot Water Boiler	50%			2039	* *	1	\$1,100	
		Boiler Used For Hot Water, Extent : Light, Area Affected : 100%							
		Location : A Side Basement							
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : A Side Basement							
		Explanation : 1 Unit							
	Hot Water Boiler	50%			2039	* *	1	\$1,100	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : B Side Basement							
		Explanation : 1 Unit							
Distribution									
	Hot Wtr Piping/Pump	100%			2042	* *	4	\$300	
Terminal Devices									
	Convactor/Radiator	100%			2051	* *	1	\$1,400	
Controls									
	Electrical	100%			2032	\$25,900			
Air Conditioning									
	Energy Source								
	Electricity	100%			2042	* *	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
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
Air Conditioning									
	Conversion Equipment								
	Window/Wall Unit	100%			2032	\$17,600	1		
Plumbing									
	H/C Water Piping								
	Brass/Copper	10%	0-2	\$300	2054	* *	1		
		Not Insulated, Extent : Moderate, Area Affected : 50%							
		Location : A Side Basement							
	Brass/Copper	90%			2054	* *	1		
Water Heater With Tanks									
	Electric	50%			2032	\$12,700	4		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : B Side Basement							
		Explanation : One 30 Gallon Unit							
	No Component	50%							
		Other Observation, Extent : Light, Area Affected : 0%							
		Location :							
		Explanation : Domestic Coil In Boiler							
Sanitary Piping									
	Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)									
	Submersible	100%			2027	\$100	4	\$100	
		Other Observation, Extent : N/A, 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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 11-May-2023 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$21,000		\$200	
Interior Architecture	\$27,800		\$3,900	\$100
Electrical	\$300	\$200	\$200	\$200
Mechanical	\$1,700	\$500	\$400	\$400
Site Pavements	\$2,500			
Total	\$53,300	\$600	\$4,600	\$600
Importance Code A	\$21,200	\$200	\$400	\$200
Importance Code B	\$13,700	\$400	\$4,200	\$400
Importance Code C	\$18,400			
Total	\$53,300	\$600	\$4,600	\$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.# 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	\$300	2034	\$17,000			
	Cracking/Crumbling, Extent : Severe, Area Affected : 5%								
	Location : Throughout								
	Other Observation, Extent : Severe, Area Affected : 100%								
	Location : Throughout								
	Explanation : Paint Peeling								
	Masonry: Brick	75%	Now	\$19,200	LIFE	**	5	\$4,400	
	Water Penetration, Extent : Severe, Area Affected : 5%								
	Location : Basement Walls A Side								
	Wood	10%	Now	\$1,300	2039	**	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									
	Metal Louvers	5%			2037	**	10	\$200	
	Vinyl-Clad Wood	95%			2039	**	5	\$600	
Roof									
	Asphalt Shingle	85%			2043	**	10	\$600	
	Copper/Terne	5%			2049	**	10	\$500	
	Roll Roofing	10%	Now	\$100	2030	\$2,800	5	\$300	
	Blisters, Extent : Light, Area Affected : 10%								
	Location : A Side Lower Roof								
Interior									
Floors									
	Cast in Place Concrete	25%	Now	\$7,200	LIFE	**	5	\$3,400	
	Water Penetration, Extent : Moderate, Area Affected : 5%								
	Location : Basement Floor								
	Mosaic Tile	5%			2047	**	5	\$800	
	Vinyl Tile	8%			2034	\$14,900	3	\$300	
	Vinyl Tile 9" X 9"	2%			2029	\$10,800	3	\$100	
	Worn/Eroded, Extent : Moderate, Area Affected : 5%								
	Location : Rear Entry Foyer								
	Wood	60%			2062	**	5	\$7,100	
Interior Walls									
	Ceramic Tile	5%	Now	\$2,600	2037	**	5	\$200	
	Misaligned/Bulging, Extent : Moderate, Area Affected : 10%								
	Location : Bathrooms B Side								
	Masonry: Brick	10%	Now	\$9,100	LIFE	**			
	Water Penetration, Extent : Moderate, Area Affected : 30%								
	Location : Basement A Side								
	Plaster	85%			LIFE	**	5-10	\$6,400	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 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

Interior

Ceilings

Exposed Struc: Wood	10%			LIFE		**	10	\$900	
Plaster	90%	2-4	\$3,700	LIFE		**	5	\$3,500	

Cracking/Crumbling, Extent : Light, Area Affected : 5%

Location : Conference Room

Site Pavements

On-Site Walkways

Cast in Place Concrete	100%	Now	\$2,500	2039		**			
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Misaligned/Bulging, Extent : Severe, Area Affected : 5%

Location : Front Walkway By Tree

Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% 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		
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Basement

Explanation : Two Main Service Disconnect Switches Rated At 100 Amperes Each.

Raceway

Conduit	100%			2054		**	1		
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Panelboards

Molded Case Bkrs	100%			2050		**	5	\$100	
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Wiring

Thermoplastic	100%			2054		**	1		
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Ground

Grounding Devices

Generic	100%			LIFE		**	5	\$100	
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Lighting

Interior Lighting

Fluorescent	98%			2039		**	10	\$3,900	
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Throughout The Building

Explanation : T-8 Lamps

LED	2%			2039		**			
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Exterior Lighting

Incandescent	10%			2029		\$2,500	2		
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No Component	90%								
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Alarm

Security System

Generic	100%			2039		**	1	\$1,600	
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Other Observation, Extent : N/A, Area Affected : 100%

Location : Outside Perimeter

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
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
Heating									
	Energy Source								
	Fuel Oil No 2	100%			2054	**	5	\$1,300	
				Other Observation, Extent : N/A, Area Affected : 100%					
				Location : B Side Basement					
				Explanation : 2 Tanks					
Conversion Equipment									
	Hot Water Boiler	100%			2039	**	1	\$2,100	
				Boiler Used For Hot Water, Extent : Light, Area Affected : 100%					
				Location : B Side Basement					
				Other Observation, Extent : Light, Area Affected : 100%					
				Location : B Side Basement					
				Explanation : 1 Unit					
Distribution									
	Hot Wtr Piping/Pump	100%			2042	**	4	\$300	
Terminal Devices									
	Convactor/Radiator	100%			2039	**	1	\$1,400	
Controls									
	Electrical	100%			2029	\$25,500			
Air Conditioning									
	Energy Source								
	Electricity	100%			2050	**	1		
Conversion Equipment									
	Window/Wall Unit	70%			2029	\$12,200	1		
	No Component	30%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	10%	0-2	\$600	2044	**	1		
				Not Insulated, Extent : Moderate, Area Affected : 60%					
				Location : Basement					
	Brass/Copper	90%			2044	**	1		
Sanitary Piping									
	Cast Iron	90%			LIFE	**	1		
	Cast Iron	10%	Now	\$600	LIFE	**	1		
				Blockage /Clogged, Extent : Moderate, Area Affected : 20%					
				Location : B Side 2nd Floor Bathroom					
Sump Pump(s)									
	Submersible	100%			2025	\$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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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-Apr-2023 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,Att
Block : 5917 **Lot** : 1 **BIN** : 4453917

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Electrical		\$70,600
Site Enclosure	\$119,600	
Site Pavements	\$166,900	\$417,200
Total	\$286,500	\$487,800
Importance Code B		\$70,600
Importance Code C	\$286,500	\$417,200
Total	\$286,500	\$487,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$55,700			
Interior Architecture	\$41,000			\$300
Electrical	\$2,200			
Mechanical	\$10,800	\$2,000	\$1,400	\$1,400
Site Pavements		\$600	\$600	\$4,600
Total	\$109,700	\$2,600	\$2,100	\$6,400
Importance Code A	\$56,700	\$1,100	\$1,100	\$1,100
Importance Code B	\$49,100	\$900	\$400	\$700
Importance Code C	\$3,800	\$600	\$600	\$4,600
Total	\$109,700	\$2,600	\$2,100	\$6,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 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	\$30,200	
	Granite Panels	10%			LIFE	* *	5	\$2,800	
	Wood	10%	Now	\$21,900	2047	* *	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	\$9,700	2050	* *	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%	Now	\$7,600	2043	* *			
Water Penetration, Extent : Severe, Area Affected : 10%									
Location : Roof Valley Flashing And Around Chimney Flashing									
Soffits									
	Wood	100%			2039	* *	5		
Interior									
Floors									
	Cast in Place Concrete	30%			LIFE	* *	5	\$20,400	
	Ceramic Tile	5%	Now	\$900	2043	* *	5	\$400	
Broken/Missing Elements, Extent : Severe, Area Affected : 2%									
Location : Throughout									
	Vinyl Tile	15%	Now	\$6,900	2039	* *	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%			2049	* *	5	\$14,600	
Worn/Eroded, Extent : Severe, Area Affected : 70%									
Location : 3rd Floor Attic Space, 2nd Floor Offices									

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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	\$200	2043	**	5	\$100	
Broken/Missing Elements, Extent : Moderate, Area Affected : 2%								
Location : Bathrooms								
Masonry: Brick	10%			LIFE	**	10	\$200	
Granite Panels	10%			LIFE	**	10	\$300	
Plaster	75%	Now	\$2,600	LIFE	**	5	\$1,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
Location : 1st Floor Corridor Walls								
Paint Peeling, Extent : Severe, Area Affected : 20%								
Location : Throughout								
Water Penetration, Extent : Moderate, Area Affected : 2%								
Location : Basement Gymnasium Room								
Wood	2%			LIFE	**	5	\$1,100	
Ceilings								
Embossed Metal	34%			LIFE	**	5	\$4,800	
Paint Peeling, Extent : Moderate, Area Affected : 5%								
Location : 1st Floor								
Water Penetration, Extent : Moderate, Area Affected : 2%								
Location : Kitchen								
Plaster	66%	Now	\$16,700	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	\$119,600	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%			2039	**			
Wood	40%	Now	\$166,900	2032	\$417,200	1-3	\$17,800	
Rotting/Splitting, Extent : Severe, Area Affected : 100%								
Location : Front Entry Porch Floor								
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : Wood Porch Floor								
Explanation : Paint Peeling								

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
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%			2054	* *	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : Two 100 Ampere Main Disconnect Switches For Section A And B								
	One 60 Ampere For Car Charger								
Raceway									
	Conduit	70%			2034	\$3,300	1		
	Conduit	30%			2054	* *	1		
Panelboards									
	Fused Disc Sw	5%			2033	\$500	5		
	Molded Case Bkrs	95%			2050	* *	5	\$300	
Wiring									
	Braided Cloth	20%	2-4	\$1,900	2059	* *	1		
	On Extended Life, Extent : Moderate, Area Affected : 100%								
	Location : Throughout The Building								
	Thermoplastic	30%			2034	\$2,900	1		
	Thermoplastic	50%			2044	* *	1		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$300	
Lighting									
	Interior Lighting								
	Fluorescent	85%			2034	\$70,600	10	\$8,500	
	T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
	Location : Throughout The Building								
	Incandescent	10%			2029	\$7,500	2		
	LED	5%			2042	* *			
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								
	Fuel Oil No 2	100%			2054	* *	5	\$3,400	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : Two 275 Gallon Tanks Each Side								
	Conversion Equipment								
	Steam Boiler	100%			2047	* *	1	\$10,800	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : One Boiler Each Side								

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

Mechanical		Current 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	\$9,400	2044	* *			
			Insul. Deteriorating, Extent : Moderate, Area Affected : 10%						
			Location : Various Locations. Deteriorating Insulation On Steam Piping						
			Leak Evident, Extent : Moderate, Area Affected : 2%						
			Location : A Side Basement File Room						
	Terminal Devices								
	Convactor/Radiator	100%			2039	* *	1	\$3,500	
Air Conditioning									
	Energy Source								
	Electricity	100%			2042	* *	1		
	Conversion Equipment								
	Window/Wall Unit	50%			2029	\$22,200	1		
	No Component	50%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2044	* *	1		
	Water Heater With Tanks								
	Electric	50%			2029	\$12,700	4		
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : A Side Basement						
			Explanation : 1 Unit						
	No Component	50%							
	HW Heat Exchanger								
	Steam Fired	100%			2054	* *	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%							

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 20-Apr-2023 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,Att
Block : 5917 **Lot** : 1 **BIN** : 4453921

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Mechanical	\$94,600	\$469,300
Site Pavements		\$90,700
Total	\$94,600	\$560,000
Importance Code B	\$94,600	\$469,300
Importance Code C		\$90,700
Total	\$94,600	\$560,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$77,100			
Interior Architecture	\$35,200		\$5,700	\$1,100
Electrical	\$500		\$200	
Mechanical	\$23,600	\$1,600	\$1,600	\$2,000
Site Pavements	\$5,600	\$1,000	\$100	\$100
Total	\$142,000	\$2,600	\$7,600	\$3,300
Importance Code A	\$100,200	\$1,200	\$1,200	\$1,200
Importance Code B	\$26,100	\$400	\$6,200	\$1,800
Importance Code C	\$15,800	\$1,000	\$100	\$300
Total	\$142,000	\$2,600	\$7,600	\$3,300



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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
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	\$33,800	
	Granite Panels	25%			LIFE	* *	5	\$9,100	
	Wood	5%	0-2	\$16,800	2047	* *	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%			2050	* *	5	\$30,000	
Air Infiltration, Extent : Moderate, Area Affected : 2%									
Location : 2nd Floor Captains Office A Side									
Other Observation, Extent : Light, Area Affected : 100%									
Location : All Facades									
Explanation : Vinyl Clad Wood Windows									
Roof									
	Asphalt Shingle	100%	Now	\$21,900	2043	* *			
Miss/Damaged Flashings, Extent : Severe, Area Affected : 15%									
Location : Roof Valley Flashing And Chimney Flashing									
Water Penetration, Extent : Severe, Area Affected : 5%									
Location : Roof Valley Flashing And Chimney Flashing, Throughout 3rd Floor									
Soffits									
	Wood	100%	Now	\$1,900	2047	* *	5	\$4,000	
Deteriorated Finish, Extent : Moderate, Area Affected : 20%									
Location : Porch Ceiling A Side									
Interior									
Floors									
	Cast in Place Concrete	10%			LIFE	* *	5	\$7,600	
	Ceramic Tile	10%			2043	* *	5	\$1,700	
	Vinyl Tile	5%	Now	\$500	2039	* *	3	\$300	
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%									
Location : Throughout									
	Wood	40%	Now	\$8,900	2062	* *	5	\$6,500	
Deteriorated Finish, Extent : Light, Area Affected : 40%									
Location : Throughout									
	Wood	35%			2062	* *	5	\$11,400	
Interior Walls									
	Ceramic Tile	2%			2043	* *	5	\$300	
	Gypsum Board	25%			LIFE	* *	5-10	\$7,000	
	Granite Panels	28%			LIFE	* *	10	\$1,800	
	Plaster	45%	2-4	\$3,800	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

Exposed Struc: Wood	5%			LIFE		**	10	\$1,300	
Plaster	95%	Now	\$10,600	LIFE		**	5	\$10,100	

Cracking/Crumbling, Extent : Severe, Area Affected : 2%

Location : Basement And Near Chimney Locations Throughout

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, Offices Throughout

Site Pavements

On-Site Walkways

Cast in Place Concrete	40%	Now	\$1,300	2047		**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Entry Walkway And Perimeter Walks</i>									

Wood	60%			2032	\$90,700		1-3	\$4,000	
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Parking/Driveway

Asphalt	100%	0-2	\$4,200	2043		**			
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>									
<i>Location : Parking Area</i>									

Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2044		**	5	\$100	
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Other Observation, Extent : Light, Area Affected : 100%

Location : Basement

Explanation : Two Main Service Disconnect Switches Rated At 100 Amperes Each

Raceway

Conduit	75%			2034	\$3,600		1		
Conduit	25%			2044		**	1		

Panelboards

Molded Case Bkrs	100%			2042		**	5	\$300	
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Wiring

Thermoplastic	75%			2034	\$7,300		1		
Thermoplastic	25%			2044		**	1		

Ground

Grounding Devices

Generic	100%			LIFE		**	5	\$400	
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Lighting

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 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

47%

2034

\$43,000

10

\$5,200

*T-8 Lamps And Fixtures, Extent : Moderate, Area Affected : 100%**Location : Throughout The Building*

Fluorescent

3%

2029

\$2,700

10

\$300

*Compact Fluorescent Light, Extent : Light, Area Affected : 100%**Location : Hallways*

LED

50%

2042

* *

Exterior Lighting

HID

20%

2034

\$12,000

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

Fuel Oil No 2

100%

2054

* *

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

\$22,500

2047

* *

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 : N/A, Area Affected : 100%**Location : Both A And B Side Basement**Explanation : 1 Old Unit Each Side*

Steam Boiler

50%

2047

* *

1

\$6,000

Distribution

Steam Piping/Pump

100%

2034

\$103,400

Terminal Devices

Convactor/Radiator

100%

2032

\$105,500

1

\$3,900

Air Conditioning

Energy Source

Electricity

100%

2042

* *

1

Conversion Equipment

Window/Wall Unit

90%

2029

\$44,000

1

No Component

10%

Plumbing

H/C Water Piping

Brass/Copper

100%

2034

\$165,800

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
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
Plumbing									
	Water Heater With Tanks								
	Oil Fired	50%			2032	\$94,600	1		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : B Side Basement							
		Explanation : 1 Unit. 67 Gallons							
	Oil Fired	50%			2027	\$94,600	1		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : A Side Basement							
		Explanation : 1 Unit. 67 Gallons							
Sanitary Piping									
	Cast Iron	100%			LIFE	* *	1		
Sump Pump(s)									
	Submersible	100%			2028	\$400	4	\$400	
		Other Observation, Extent : N/A, 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.*

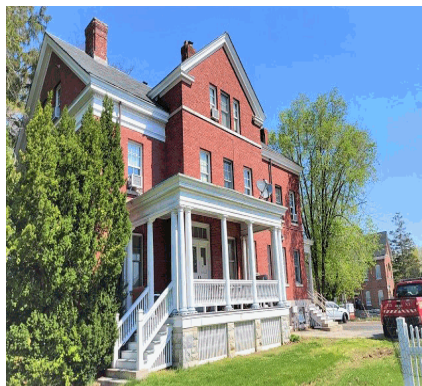
Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 20-Apr-2023 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5917 **Lot** : 1 **BIN** : 4453923

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$151,100	
Electrical		\$82,300
Mechanical		\$50,700
Site Pavements		\$90,700
Total	\$151,100	\$223,700
Importance Code A	\$151,100	
Importance Code B		\$133,000
Importance Code C		\$90,700
Total	\$151,100	\$223,700

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$26,100			\$1,100
Interior Architecture	\$50,900		\$10,700	\$700
Electrical	\$800	\$500	\$500	\$500
Mechanical	\$8,300	\$1,600	\$1,600	\$1,600
Site Pavements	\$40,300	\$100	\$100	\$1,000
Total	\$126,400	\$2,200	\$12,900	\$4,800
Importance Code A	\$27,300	\$1,200	\$1,200	\$2,200
Importance Code B	\$43,200	\$800	\$11,200	\$1,500
Importance Code C	\$55,900	\$100	\$500	\$1,000
Total	\$126,400	\$2,200	\$12,900	\$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
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%	Now	\$85,200	LIFE	* *	5	\$19,300	
	Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 40%							
	Location : Facades							
	Water Penetration, Extent : Severe, Area Affected : 10%							
	Location : Through Facade							
Granite Panels	15%			LIFE	* *	5	\$5,400	
Wood	5%	Now	\$8,400	2047	* *	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%			2050	* *	5	\$30,000	
	Air Infiltration, Extent : Moderate, Area Affected : 5%							
	Location : 1st Floor And 2nd Floor Offices							
	Other Observation, Extent : Light, Area Affected : 100%							
	Location : All Facades							
	Explanation : Vinyl Clad Wood Windows							
Roof								
Asphalt Shingle	90%	Now	\$65,800	2049	* *			
	Water Penetration, Extent : Moderate, Area Affected : 5%							
	Location : Roof Valley Flashing And Chimney Base Flashing							
	Worn/Eroded, Extent : Severe, Area Affected : 5%							
	Location : Roof							
Roll Roofing	10%			2033	\$8,800	5	\$2,100	
Interior								
Floors								
Cast in Place Concrete	30%			LIFE	* *	5	\$22,800	
Ceramic Tile	8%			2043	* *	5	\$1,400	
Vinyl Tile	2%			2039	* *	3	\$100	
Wood	60%			2062	* *	5	\$19,500	
Interior Walls								
Cast in Place Concrete	10%			LIFE	* *	10	\$4,100	
Ceramic Tile	5%			2047	* *	5	\$800	
Gypsum Board	25%			LIFE	* *	5-10	\$7,000	
Masonry: Brick	18%			LIFE	* *	10	\$900	
Granite Panels	25%			LIFE	* *	10	\$1,600	
Plaster	15%	Now	\$3,200	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	\$2,600	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 402 A AND B FIRE MARSHALS
Asset # : 13770

Architecture		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior									
	Ceilings								
	AcousTileSusp.Lay-In	6%			2047	* *	5	\$1,000	
	Embossed Metal	25%			LIFE	* *	5	\$3,800	
		Paint Peeling, Extent : Moderate, Area Affected : 10%							
		Location : Throughout 1st Floor							
	Gypsum Board	29%			LIFE	* *	5-10	\$17,000	
	Plaster	40%	Now	\$11,100	LIFE	* *	5	\$4,300	
		Cracking/Crumbling, Extent : Severe, Area Affected : 5%							
		Location : 2nd Floor Conference Room And Kitchen							
		Water Penetration, Extent : Severe, Area Affected : 2%							
		Location : Water Damage In 1st Floor Office And Third Floor By Chimney Chase Walls							
Site Pavements									
	On-Site Walkways								
	Cast in Place Concrete	40%	Now	\$2,600	2047	* *			
		Cracking/Crumbling, Extent : Severe, Area Affected : 40%							
		Location : Walkways And Stairs							
	Wood	60%	0-2	\$4,500	2032	\$90,700	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	\$33,200	2047	* *			
		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%			2054	* *	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%			2044	* *	1		
	Conduit	35%			2054	* *	1		
Panelboards									
	Molded Case Bkrs	100%			2050	* *	5	\$300	
Wiring									
	Thermoplastic	65%			2044	* *	1		
	Thermoplastic	35%			2054	* *	1		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$400	

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.# 402 A AND B FIRE MARSHALS
Asset # : 13770

Electrical		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%
2034 \$82,300 10 \$9,900
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%
Location : Throughout The Building

LED

10% 2042 * *

Egress Lighting

Emergency, Battery

50% 2034 \$10,800 10 \$1,500

Exit, Battery

50% 2034 \$7,500 10 \$400

Exterior Lighting

HID

5% 2029 \$3,000 10

LED

15% 2042 * *

No Component

80%

Alarm

Security System
Generic

100% 2042 * * 1 \$4,500
Other Observation, Extent : Light, Area Affected : 100%
Location : Exterior Only
Explanation : Cameras Security 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

Fuel Oil No 2

100% 2060 * * 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% 2051 * * 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% 2044 * *

Terminal Devices

Convactor/Radiator

100% 0-2 \$5,300 2039 * * 1 \$3,500
Leak Evident, Extent : Moderate, Area Affected : 19%
Location : 3rd Floor

Air Conditioning

Energy Source

Electricity

100% 2042 * * 1

Conversion Equipment

Window/Wall Unit

100% 2029 \$48,900 1

Plumbing

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
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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
Plumbing								
H/C Water Piping Brass/Copper	100%			2044	* *	1		
Water Heater With Tanks Electric	100%			2029	\$50,700	4		
Other Observation, Extent : Light, Area Affected : 100%								
Location : A And B Side Basement								
Explanation : 1 Unit For Each Side. Bigger Hot Water Tank Recommended								
Sanitary Piping Cast Iron	100%			LIFE	* *	1		
Fixtures Generic	100%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 25-Apr-2023 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$55,700	
Electrical		\$109,700
Mechanical		\$55,700
Site Pavements		\$353,400
Total	\$55,700	\$518,800
Importance Code A	\$55,700	
Importance Code B		\$165,400
Importance Code C		\$353,400
Total	\$55,700	\$518,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$72,800			
Interior Architecture	\$99,800			\$100
Electrical	\$900	\$700	\$500	\$500
Mechanical	\$21,900	\$2,500	\$1,800	\$1,800
Site Enclosure	\$100			
Site Pavements	\$21,500	\$500	\$500	\$3,900
Total	\$217,000	\$3,700	\$2,900	\$6,400
Importance Code A	\$75,500	\$1,400	\$1,400	\$1,400
Importance Code B	\$96,600	\$1,800	\$1,000	\$1,100
Importance Code C	\$44,900	\$500	\$500	\$3,900
Total	\$217,000	\$3,700	\$2,900	\$6,400



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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
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	\$40,400	
	Masonry: Granite	10%			LIFE	* *	5	\$4,000	
	Wood	15%	Now	\$9,400	2039	* *	5	\$10,100	
Broken/Missing Elements, Extent : Severe, Area Affected : 1%									
Location : Wood Screen At Rear Porch 409b									
Dry Rot/Decay, Extent : Severe, Area Affected : 10%									
Location : Porch Cornice Entablature And Columns B Section									
Paint Peeling, Extent : Severe, Area Affected : 15%									
Location : Porches And Eave Located At Rear Facade B Section									
Windows									
	Wood	100%			2050	* *	5	\$80,000	
Air Infiltration, Extent : Severe, Area Affected : 10%									
Location : Throughout B Section									
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%			2030	\$9,600	5	\$2,300	
	Slate	90%	Now	\$55,700	LIFE	* *			1
Miss/Damaged Flashings, Extent : Severe, Area Affected : 100%									
Location : Roof Valley Flashing And Chimney Base Flashing									
Water Penetration, Extent : Severe, Area Affected : 30%									
Location : Roof Valley Flashing And Chimney Base Flashing									
Interior									
Floors									
	Cast in Place Concrete	5%			LIFE	* *	5	\$4,500	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%									
Location : Basement Section B									
	Mosaic Tile	2%			2039	* *	5	\$1,000	
	Vinyl Tile	2%			2034	\$12,200	3	\$200	
	Vinyl Tile 9" X 9"	2%			2034	\$35,200	3	\$200	
	Wood	89%	Now	\$23,400	2049	* *	5	\$17,100	
Deteriorated Finish, Extent : Moderate, Area Affected : 10%									
Location : First Floor									
Split/Cracked, Extent : Moderate, Area Affected : 5%									
Location : 1st And 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
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									
Interior Walls									
	Ceramic Tile	2%	Now	\$1,100	2037	* *	5	\$500	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%									
Location : Second Floor Bathroom A And B Section									
	Concrete Masonry Unit	2%			LIFE	* *	5	\$700	
	Masonry: Brick	10%			LIFE	* *	10	\$1,400	
	Plaster	86%	Now	\$20,400	LIFE	* *	5	\$11,800	
Horizontal Cracks, Extent : Severe, Area Affected : 2%									
Location : Throughout									
Water Penetration, Extent : Severe, Area Affected : 1%									
Location : 2nd Floor Office A Side									
Ceilings									
	Embossed Metal	30%	4+	\$4,000	LIFE	* *	5	\$2,800	
Paint Peeling, Extent : Moderate, Area Affected : 5%									
Location : 1st Floor Offices B Side									
	Plaster	70%	Now	\$46,800	LIFE	* *	5	\$9,000	
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%									
Location : 1st Floor A Side									
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	\$100	2032	\$6,700			
Broken/Missing Elements, Extent : Severe, Area Affected : 2%									
Location : Porch Balustrade Of B Section									
Site Pavements									
On-Site Walkways									
	Cast in Place Concrete	50%	4+	\$3,800	2039	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%									
Location : Walkways									
	Wood	50%	0-2	\$17,700	2029	\$353,400	1-3	\$15,100	
Rotting/Splitting, Extent : Moderate, Area Affected : 4%									
Location : 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									
	Molded Case Bkrs	100%			2060	* *	5	\$400	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : Two 150 Ampere Main Disconnect Switches For Section A And B									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. 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
Under 600 Volts									
Raceway									
	Conduit	20%			2054	**	1		
	Conduit	80%			2034	\$22,100	1		
Panelboards									
	Fused Disc Sw	5%			2050	**	5		
	Molded Case Bkrs	95%			2056	**	5	\$300	
Wiring									
	Thermoplastic	80%			2054	**	1		
	Thermoplastic	20%			2034	\$6,100	1		
Ground									
Grounding Devices									
	Generic	100%			LIFE	**	5	\$400	
Stand-by Power									
Transfer Switches									
	Under Construction	100%							
Lighting									
Interior Lighting									
	Fluorescent	50%			2034	\$109,700	10	\$6,300	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%									
Location : Throughout The Building									
	LED	50%			2042	**			
Exterior Lighting									
	LED	20%			2042	**			
	No Component	80%							
Alarm									
Security System									
	Generic	100%			2042	**	1	\$5,100	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Exterior Only									
Explanation : Cameras Security 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								
	Fuel Oil No 2	100%			2054	* *	5	\$4,300	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : Two 275 Gallon Tanks For Both A And B 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
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
Heating									
	Conversion Equipment								
	Steam Boiler	100%	0-2	\$2,600	2047	* *	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%			2044	* *			
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Throughout							
		Explanation : A And B Sides Have Independent Systems							
	Terminal Devices								
	Convactor/Radiator	100%			2039	* *	1	\$4,400	
Air Conditioning									
	Energy Source								
	Electricity	100%			2042	* *	1		
	Conversion Equipment								
	Window/Wall Unit	100%			2029	\$55,700	1		
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%	0-2	\$18,900	2044	* *	1		
		Leak Evident, Extent : Moderate, Area Affected : 5%							
		Location : Domestic Water Piping Leaking							
		On Extended Life, Extent : Moderate, Area Affected : 100%							
		Location : Throughout							
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Throughout							
		Explanation : A And B Sides Have Separate Systems Including Service							
	Water Heater With Tanks								
	Electric	50%			2032	\$12,700	4		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : A Side Basement							
		Explanation : 1 Unit							
	No Component	50%							
	HW Heat Exchanger								
	Steam Fired	100%			2054	* *	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FORT TOTTEN - BLDG.# 411 A AND B TERRORISM CENTER
Address : 411 SHORE ROAD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.411 / 13775 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 13,728 **Project Type** : FIRE DEPARTMENT
Date of Survey : 24-Apr-2023 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$110,600	
Electrical		\$93,800
Mechanical		\$115,900
Site Pavements		\$353,400
Total	\$110,600	\$563,100
Importance Code B	\$53,500	\$209,700
Importance Code C	\$57,100	\$353,400
Total	\$110,600	\$563,100

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$74,000		\$6,700	
Interior Architecture	\$29,000		\$500	\$100
Electrical	\$2,100	\$1,500	\$1,500	\$4,100
Mechanical	\$78,600	\$1,800	\$1,800	\$2,500
Site Pavements	\$15,900	\$3,900	\$500	\$500
Total	\$199,500	\$7,200	\$11,100	\$7,300
Importance Code A	\$109,200	\$1,400	\$8,100	\$1,400
Importance Code B	\$73,100	\$1,900	\$2,400	\$5,400
Importance Code C	\$17,300	\$3,900	\$500	\$500
Total	\$199,500	\$7,200	\$11,100	\$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.# 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	\$43,100	
	Masonry: Granite	10%			LIFE	**	5	\$4,000	
	Wood	10%			2047	**	5	\$13,500	
	Windows								
	Wood	100%			2050	**	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%			2030	\$4,800	5	\$1,200	
	Slate	95%	Now	\$9,800	LIFE	**			
				Broken/Missing Elements, Extent : Severe, Area Affected : 5%					
				Location : Throughout					
				Miss/Damaged Flashings, Extent : Severe, Area Affected : 5%					
				Location : Roof Valley Flashing And Chimney Flashing					
				Water Penetration, Extent : Moderate, Area Affected : 2%					
				Location : Main Roof At 3rd Floor; 2nd Floor					
	Soffits								
	Wood	100%			2047	**	5		
				Other Observation, Extent : N/A, Area Affected : 100%					
				Location : Porch Ceiling					
				Explanation : Wood Ceiling					
Interior									
	Floors								
	Cast in Place Concrete	7%	2-4	\$2,600	LIFE	**	5	\$3,100	
				Water Penetration, Extent : Moderate, Area Affected : 2%					
				Location : Arsenal Room In Basement					
	Mosaic Tile	2%			2047	**	5	\$1,000	
	Vinyl Tile	5%	4+	\$600	2039	**	3	\$400	
				Broken/Missing Elements, Extent : Light, Area Affected : 1%					
				Location : Kitchen					
	Wood	86%	2-4	\$22,600	2049	**	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					

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. 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

Interior Walls

Ceramic Tile

2% Now \$1,100 2043 * * 5 \$500

Broken/Missing Elements, Extent : Light, Area Affected : 2%

Location : Second Floor Bathroom A Side

Masonry: Brick

2% LIFE * * 10 \$300

Plaster

96% Now \$57,100 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

Ceilings

Embossed Metal

20% LIFE * * 5 \$3,700

Paint Peeling, Extent : Light, Area Affected : 10%

Location : 1st Floor, Throughout

Plaster

80% Now \$53,500 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 And Office, 3rd Floor Office By Chimney Chase

Site Pavements

On-Site Walkways

Cast in Place Concrete

50% Now \$15,400 2039 * *

Cracking/Crumbling, Extent : Severe, Area Affected : 50%

Location : Front Entrance Walkway

Wood

50% 2032 \$353,400 1-3 \$15,600

Other Observation, Extent : N/A, Area Affected : 100%

Location : Porch

Explanation : Wood 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% 2054 * * 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% 2054 * * 1

Conduit

80% 2034 \$3,800 1

Panelboards

Fused Disc Sw

5% 2033 \$500 5

Molded Case Bkrs

95% 2050 * * 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
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
Under 600 Volts									
	Wiring								
	Thermoplastic	30%			2054	* *	1		
	Thermoplastic	70%			2034	\$6,800	1		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$400	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2047	* *	1	\$4,200	
	Generators								
	Diesel	100%			2043	* *	1	\$5,300	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Outside								
	Explanation : One 134 Kilovolt Amperes,125 Kilowatt								
	Batteries								
	Lead/Acid	100%			2028	\$2,600	5	\$500	
	Fuel Storage								
	Main Tank	100%			2062	* *	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Generator Room Outside								
	Explanation : One 250 Gallon Belly Tank								
Lighting									
	Interior Lighting								
	Fluorescent	90%			2034	\$93,800	10	\$11,300	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Throughout The Building								
	Explanation : T-8 Lamps								
	LED	10%			2042	* *			
	Egress Lighting								
	Emergency, Service	100%			2039	* *	1		
	Exterior Lighting								
	LED	20%			2042	* *			
	No Component	80%							
Alarm									
	Security System								
	Generic	100%			2042	* *	1	\$5,100	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Exterior Only								
	Explanation : Cameras Security 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

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. 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									
	Energy Source								
	Fuel Oil No 2	100%			2054	* *	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%	0-2	\$32,100	2039	* *	1	\$6,100	
		Leak Evident, Extent : Severe, Area Affected : 20%							
		Location : Boiler On Side A Leaking. Incomplete Combustion Is Evident							
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : A Side Basement							
		Explanation : 1 Unit Serves A Side							
	Steam Boiler	50%	0-2	\$3,200	2039	* *	1	\$6,100	
		Leak Evident, Extent : Moderate, Area Affected : 20%							
		Location : Boiler Side B Leaking Water							
		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%			2044	* *			
Terminal Devices									
	Convactor/Radiator	50%			2039	* *	1	\$2,200	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : A Side							
		Explanation : Units In A Side							
	Convactor/Radiator	50%	0-2	\$6,000	2032	\$60,200	1	\$2,000	
		Corroded, Extent : Moderate, Area Affected : 100%							
		Location : Throughout.							
		Leak Evident, Extent : Moderate, Area Affected : 10%							
		Location : Radiator Leaking At 3rd Floor							
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : B Side							
		Explanation : Units In B Side							
Air Conditioning									
	Energy Source								
	Electricity	100%			2042	* *	1		
Conversion Equipment									
	Window/Wall Unit	100%			2029	\$55,700	1		
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2044	* *	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.# 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
Plumbing									
	HW Heat Exchanger Steam Fired	100%			2044	* *	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%	0-2	\$37,100	LIFE	* *	1		
Leak Evident, Extent : Moderate, Area Affected : 10%									
Location : Leaking Shower Body At 3rd Floor And Leaking Toilet At 2nd Floor									
Fixtures									
	Generic	100%							
Leaking Faucets/Valves/Heads, Extent : Moderate, Area Affected : 20%									
Location : Leaking, Malfunctioning Flushing Mechanism On 2nd Floor									
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.
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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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FORT TOTTEN - BLDG.# 413 A AND B COUNSELING UNIT
Address : 413 SHORE ROAD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.413 / 13776 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 13,728 **Project Type** : FIRE DEPARTMENT
Date of Survey : 24-Apr-2023 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,Att
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$62,600	
Mechanical		\$293,900
Site Pavements		\$424,000
Total	\$62,600	\$717,900
Importance Code A	\$62,600	
Importance Code B		\$293,900
Importance Code C		\$424,000
Total	\$62,600	\$717,900

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$22,900		\$5,100	
Interior Architecture	\$122,100			\$100
Electrical	\$3,300	\$900	\$900	\$900
Mechanical	\$13,400	\$1,800	\$1,800	\$2,100
Site Pavements	\$700	\$4,700	\$700	\$700
Total	\$162,300	\$7,500	\$8,500	\$3,900
Importance Code A	\$24,300	\$1,400	\$6,500	\$1,400
Importance Code B	\$62,400	\$1,400	\$1,400	\$1,800
Importance Code C	\$75,700	\$4,700	\$700	\$700
Total	\$162,300	\$7,500	\$8,500	\$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
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	\$37,700		
Masonry: Granite	20%			LIFE	**	5	\$8,100		
Wood	10%	Now	\$62,600	2047	**	5	\$6,700		
Windows									
Vinyl-Clad Wood	100%			2047	**	5	\$10,200		
Roof									
Modified Bitumen	30%			2039	**	10	\$4,100		
Synthetic Slate/Cedar	70%			2043	**				
Soffits									
Wood	100%			2047	**	5			
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Porch Ceiling									
Explanation : Wood									
Interior									
Floors									
Cast in Place Concrete	10%	0-2	\$3,700	LIFE	**	5	\$4,500		
Cracking/Crumbling, Extent : Moderate, Area Affected : 2%									
Location : Basement									
Ceramic Tile	5%	Now	\$6,200	2043	**	5	\$500		
Cracking/Crumbling, Extent : Severe, Area Affected : 5%									
Location : Bathrooms									
Vinyl Tile	5%	Now	\$6,100	2039	**	3	\$400		
Broken/Missing Elements, Extent : Severe, Area Affected : 10%									
Location : Kitchen Area And Throughout									
Wood	80%			2049	**	5	\$30,800		
Interior Walls									
Ceramic Tile	2%	2-4	\$2,700	2043	**	5	\$500		
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%									
Location : Bathrooms									
Masonry: Brick	5%	4+	\$23,300	LIFE	**				
Paint Peeling, Extent : Moderate, Area Affected : 80%									
Location : Basement									
Granite Panels	21%			LIFE	**	10	\$3,800		
Plaster	70%	Now	\$41,600	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	\$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.# 413 A AND B COUNSELING UNIT
Asset # : 13776

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost

Interior

Ceilings

Embossed Metal 10% LIFE ** 5 \$1,800

Paint Peeling, Extent : Moderate, Area Affected : 5%
Location : 1st Floor

Plaster 90% Now \$30,100 LIFE ** 5 \$11,500

Broken/Missing Elements, Extent : Severe, Area Affected : 10%
Location : Throughout
Worn/Eroded, Extent : Severe, Area Affected : 10%
Location : Basement

Site Pavements

On-Site Walkways

Cast in Place Concrete 40% 2039 **

Wood 60% 2032 \$424,000 1-3 \$18,700

Other Observation, Extent : N/A, Area Affected : 100%
Location : Porch Floor
Explanation : Wood

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost

Under 600 Volts

Service Equipment

Fused Disc Sw 100% 2054 ** 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

Raceway

Conduit 70% 2034 \$3,300 1

Conduit 30% 2054 ** 1

Panelboards

Fused Disc Sw 5% 2050 ** 5

Molded Case Bkrs 95% 2050 ** 5 \$300

Wiring

Braided Cloth 20% 0-2 \$1,900 2059 ** 1

Insulation Aged, Extent : Moderate, Area Affected : 100%
Location : Throughout The Building

Thermoplastic 80% 2054 ** 1

Ground

Grounding Devices

Generic 100% LIFE ** 5 \$400

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
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

Stand-by Power

Transfer Switches

Automatic

100%

2051

* *

1

\$4,200

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : No Permanent Generator Only Portable*

Lighting

Interior Lighting

LED

100%

2042

* *

Exterior Lighting

LED

20%

2042

* *

No Component

80%

Alarm

Security System

Generic

100%

2042

* *

1

\$5,100

*Other Observation, Extent : Light, Area Affected : 100%**Location : Exterior Only**Explanation : Cameras Security 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

Fuel Oil No 2

50%

2044

* *

5

\$2,100

*Other Observation, Extent : Light, Area Affected : 100%**Location : B Side Basement**Explanation : 2 Tanks*

Fuel Oil No 2

50%

2054

* *

5

\$2,100

*Other Observation, Extent : Light, Area Affected : 100%**Location : A Side Basement**Explanation : 2 Tanks*

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%

2039

* *

1

\$6,800

*Other Observation, Extent : Light, Area Affected : 100%**Location : B Side Basement**Explanation : 1 Unit*

Distribution

Steam Piping/Pump

100%

2034

\$117,800

Terminal Devices

Convactor/Radiator

100%

0-2

\$12,000

2032

\$120,300

1

\$4,000

*Leak Evident, Extent : Moderate, Area Affected : 10%**Location : Leaking Radiator At Attic*

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. 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
Air Conditioning									
	Energy Source								
	Electricity	100%			2042	* *	1		
	Conversion Equipment								
	Window/Wall Unit	100%			2029	\$55,700	1		
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2044	* *	1		
	Water Heater With Tanks								
	Electric	50%			2029	\$12,700	4		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : A Side Basement							
		Explanation : 1 Unit							
	No Component	50%							
	HW Heat Exchanger								
	Steam Fired	50%			2044	* *	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FORT TOTTEN - BLDG.# 418 A AND B SCUBA SUPPORT/FT TOTTEN OPER.
Address : 418 WEAVER ROAD
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0020.418 / 13778 **Yr Built/Renovated** : 1906 /
Area Sq Ft : 10,935 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-May-2023 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,Att
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$147,500	
Electrical		\$70,600
Mechanical		\$161,000
Site Pavements	\$166,900	\$417,200
Total	\$314,400	\$648,800
Importance Code A	\$147,500	
Importance Code B		\$231,600
Importance Code C	\$166,900	\$417,200
Total	\$314,400	\$648,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$59,500			
Interior Architecture	\$67,700		\$200	\$200
Electrical	\$9,100	\$400	\$400	\$400
Mechanical	\$1,900	\$1,300	\$1,200	\$1,200
Site Pavements	\$27,200	\$600	\$600	\$4,600
Total	\$165,400	\$2,300	\$2,400	\$6,400
Importance Code A	\$60,300	\$800	\$800	\$800
Importance Code B	\$73,300	\$900	\$900	\$1,000
Importance Code C	\$31,900	\$600	\$600	\$4,600
Total	\$165,400	\$2,300	\$2,400	\$6,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
FORT TOTTEN - BLDG.# 418 A AND B SCUBA SUPPORT/FT TOTTEN OPER.
Asset # : 13778

Architecture		Current Repair			Future Replacement		Maintenance		
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	\$28,300	
	Masonry: Granite	10%	0-2	\$3,200	LIFE	**	5	\$1,400	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%									
Location : Rear Of 418b									
	Wood	15%	Now	\$19,700	2039	**	5	\$7,100	
Broken/Missing Elements, Extent : Severe, Area Affected : 5%									
Location : Porch									
Paint Peeling, Extent : Moderate, Area Affected : 50%									
Location : Wood Columns, Wood Fascia, Wood Siding, Porch Entablature And Balustrade									
Split/Cracked, Extent : Severe, Area Affected : 50%									
Location : Wood Columns, Porch Balustrade									
Windows									
	Aluminum	10%			2050	**	5	\$200	
	Wood	90%	Now	\$87,000	2059	**	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 : 50%									
Location : Throughout									
Water Penetration, Extent : Severe, Area Affected : 10%									
Location : 2nd Floor Scuba Office									
Roof									
	Modified Bitumen	25%	Now	\$7,700	2034			\$38,400	
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	75%	Now	\$14,600	LIFE	**			
Broken/Missing Elements, Extent : Severe, Area Affected : 5%									
Location : Throughout									
Miss/Damaged Flashings, Extent : Light, Area Affected : 5%									
Location : Roof Ridge									
Water Penetration, Extent : Severe, Area Affected : 5%									
Location : 3rd Floor And 2nd Floor Ceiling A Section Office Space									
Soffits									
	Wood	100%	Now	\$60,600	2039	**	5	\$32,200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%									
Location : Throughout 418 B									
Dry Rot/Decay, Extent : Severe, Area Affected : 80%									
Location : Exterior Porch Ceiling									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. 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	15%	Now	\$4,300	LIFE	* *	5	\$5,100	
Horizontal Cracks, Extent : Moderate, Area Affected : 10%								
Location : Basement								
Ceramic Tile	5%	Now	\$2,300	2037	* *	5	\$400	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Bathrooms.								
Vinyl Tile	10%	4+	\$900	2034	\$46,000	3	\$600	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : 1st Floor Kitchen On B Side								
Wood	70%	Now	\$34,800	2062	* *	5	\$10,200	
Deteriorated Finish, Extent : Severe, Area Affected : 100%								
Location : 1st Floor, B Side, Throughout.								
Interior Walls								
Ceramic Tile	5%	Now	\$400	2037	* *	5	\$200	
Cracking/Crumbling, Extent : Light, Area Affected : 5%								
Location : Bathrooms.								
Masonry: Brick	15%			LIFE	* *	10	\$300	
Plaster	75%	Now	\$2,600	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	\$2,700	
Ceilings								
AcousTileSusp.Lay-In	2%			2047	* *	5	\$300	
Embossed Metal	20%			LIFE	* *	5	\$2,800	
Paint Peeling, Extent : Light, Area Affected : 5%								
Location : 1st Floor, Throughout								
Exposed Struc: Wood	15%	Now	\$3,400	LIFE	* *			
Water Penetration, Extent : Moderate, Area Affected : 5%								
Location : Attic Storage								
Plaster	63%	Now	\$16,000	LIFE	* *	5	\$6,100	
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 And 2nd Floor Office								
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	\$27,200	2047	* *
<i>Broken/Missing Elements, Extent : Severe, Area Affected : 15%</i>					
<i>Location : Front And Side Walkways</i>					
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 20%</i>					
<i>Location : Front And Side Walkways</i>					

Wood	40%	Now	\$166,900	2034	\$417,200	1-3	\$17,800	
<i>Rotting/Splitting, Extent : Severe, Area Affected : 100%</i>								
<i>Location : Porch Floor</i>								

Parking/Driveway

Cast in Place Concrete	100%			2039	* *			
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Electrical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%	2054	* *	5
<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
<i>Location : Basement</i>				
<i>Explanation : Two Main Service Disconnect Switches Rated At 150 Amperes.</i>				

Raceway

Conduit	50%			2034	\$2,400	1		
Conduit	50%			2054	* *	1		

Panelboards

Molded Case Bkrs	100%			2050	* *	5	\$300	
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Wiring

Thermoplastic	50%			2054	* *	1		
Thermoplastic	50%			2034	\$4,800	1		

Ground

Grounding Devices

Not Accessible	100%							
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Lighting

Interior Lighting

Fluorescent	85%			2029	\$70,600	10	\$8,500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>								
<i>Location : Throughout The Building</i>								
<i>Explanation : T-8 Lamps</i>								

Incandescent	5%			2029	\$3,700	2		
LED	10%			2042	* *			

Exterior Lighting

HID	20%			2029	\$10,900	10		
LED	10%			2042	* *			
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.

Electrical									
System Component Type	Current Repair			Future Replacement		Maintenance		Priority	
	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		

Alarm

Security System					
Generic	100%	2042	**	1	\$4,100

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						
Fuel Oil No 2	100%	2054	**	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%	2039	**	1	\$2,700

Boiler Used For Hot Water, Extent : Light, Area Affected : 100%

Location : B Side Basement

Other Observation, Extent : Light, Area Affected : 100%

Location : B Side Basement

Explanation : 1 Unit

Steam Boiler	50%	2047	**	1	\$5.400
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Boiler Used For Hot Water, Extent : Light, Area Affected : 100%

Location : B Side Basement

Other Observation, Extent : Light, Area Affected : 100%

Location : A Side Basement

Explanation : 1 Unit

Distribution						
Hot Wtr Piping/Pump	50%	2042	**	4		\$400
Steam Piping/Pump	50%	2044	**			

Terminal Devices						
Convactor/Radiator	100%	2032	\$95,800	1	\$3,500	

Controls			
Electrical	100%	2029	\$65,200

Air Conditioning

Energy Source				
Electricity	100%	2042	**	1

Conversion Equipment				
Window/Wall Unit	75%	2029	\$33,300	1
No Component	25%			

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.# 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									
	H/C Water Piping								
	Brass/Copper	10%	0-2	\$800	2044	* *	1		
		Not Insulated, Extent : Moderate, Area Affected : 70%							
		Location : Basements							
	Brass/Copper	90%			2044	* *	1		
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Fixtures								
	Generic	100%							

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 11-May-2023 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,Att
Block : 5917 **Lot** : 1 **BIN** :

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$96,700	
Mechanical		\$115,900
Site Pavements		\$625,900
Total	\$96,700	\$741,700
Importance Code A	\$96,700	
Importance Code B		\$115,900
Importance Code C		\$625,900
Total	\$96,700	\$741,700

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$34,400		\$1,500	
Interior Architecture	\$80,100		\$400	\$400
Electrical	\$600	\$400	\$400	\$400
Mechanical	\$2,700	\$1,400	\$1,400	\$1,400
Site Pavements	\$7,000	\$1,000	\$1,000	\$7,000
Total	\$124,700	\$2,800	\$4,700	\$9,200
Importance Code A	\$35,500	\$1,100	\$2,600	\$1,100
Importance Code B	\$69,400	\$800	\$1,200	\$1,000
Importance Code C	\$19,800	\$1,000	\$1,000	\$7,100
Total	\$124,700	\$2,800	\$4,700	\$9,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057

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	70%			LIFE	**	5	\$26,400	
Masonry: Granite	15%	2-4	\$4,800	LIFE	**	5	\$2,100	
Joint Mortar Miss/Erod, Extent : Light, Area Affected : 5%								
Location : Rear Parking Lot								
Stucco Cement	5%			2039	**	5	\$2,400	
Wood	10%	Now	\$13,100	2039	**	5	\$4,700	
Dry Rot/Decay, Extent : Moderate, Area Affected : 10%								
Location : Roof Soffit And Fascia								
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	\$96,700	2059	**	5	\$11,200	
Air Infiltration, Extent : Severe, Area Affected : 20%								
Location : Throughout.								
Crtrw/Balnrc Not Funct, Extent : Moderate, Area Affected : 50%								
Location : Throughout								
Dry Rot/Decay, Extent : Moderate, 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%			2037	**	10	\$1,500	
Roll Roofing	30%			2030	\$27,300	5	\$6,500	
Soffits								
Wood	100%			2039	**	5		
Interior								
Floors								
Cast in Place Concrete	10%			LIFE	**	5	\$6,800	
Ceramic Tile	5%			2037	**	5	\$800	
Vinyl Tile	10%			2034	\$46,000	3	\$800	
Wood	75%	Now	\$37,300	2049	**	5	\$10,900	
Deteriorated Finish, Extent : Moderate, Area Affected : 50%								
Location : B Side, 3rd Floor Attic								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. 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%			2043	**	5		\$300	
Masonry: Brick	25%			LIFE	**	10		\$500	
Granite Panels	5%			LIFE	**	10		\$100	
Plaster	55%	Now		\$9,600	LIFE	**	5	\$1,100	

*Cracking/Crumbling, Extent : Severe, Area Affected : 20%**Location : Stairs, Offices, Halls**Paint Peeling, Extent : Moderate, Area Affected : 10%**Location : Stairwell**Water Penetration, Extent : Moderate, Area Affected : 10%**Location : Stairs A Side*

Wood	10%			LIFE	**	5		\$5,300	
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Ceilings

Embossed Metal	10%	4+		\$2,500	LIFE	**	5	\$700	
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*Paint Peeling, Extent : Moderate, Area Affected : 5%**Location : Throughout Embossed Ceiling*

Exposed Struc: Wood	10%			LIFE	**	10		\$2,300	
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Gypsum Board	15%			LIFE	**	5-10		\$8,000	
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Plaster	65%	0-2		\$16,500	LIFE	**	5	\$6,300	
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*Cracking/Crumbling, Extent : Severe, Area Affected : 5%**Location : Copy Room On 2nd Floor**Paint Peeling, Extent : Light, Area Affected : 10%**Location : Various Locations***Site Pavements****On-Site Walkways**

Cast in Place Concrete	40%			2047	**				
Wood	60%			2034		\$625,900	1-3	\$33,700	

*Other Observation, Extent : Light, Area Affected : 100%**Location : Front Porch And Steps**Explanation : Under Construction And Repair***Parking/Driveway**

Cast in Place Concrete	100%			2047	**				
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Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts**Service Equipment**

Fused Disc Sw	100%			2054	**	5			
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Two Main Service Disconnect Switches Rated At 100 Amperes Each.***Raceway**

Conduit	50%			2034		\$2,400	1		
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Conduit	50%			2054	**	1			
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*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.**Estimates are rounded to the nearest hundred dollars.**Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.**** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057

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								
Panelboards								
Molded Case Bkrs	100%			2050	* *	5	\$300	
Wiring								
Thermoplastic	50%			2034	\$4,800	1		
Thermoplastic	50%			2054	* *	1		
Ground								
Grounding Devices								
Not Accessible	100%							
Lighting								
Interior Lighting								
Fluorescent	100%			2039	* *	10	\$10,000	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Throughout The Building								
Explanation : T-8 Lamps								
Egress Lighting								
Emergency, Battery	50%			2039	* *	10	\$1,300	
Exit, Service	50%			2039	* *	1		
Exterior Lighting								
HID	15%			2034	\$8,200	10		
LED	15%			2042	* *			
No Component	70%							
Alarm								
Security System								
Generic	100%			2042	* *	1	\$4,100	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Outside Perimeter								
Explanation : CCTV Surveillance Cameras								

Mechanical		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Heating								
Energy Source								
Fuel Oil No 2	100%			2054	* *	5	\$3,400	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : A And B Sides Each Has 2 Tanks								
Conversion Equipment								
Steam Boiler	100%			2047	* *	1	\$10,800	
Other Observation, Extent : Light, Area Affected : 100%								
Location : Basement								
Explanation : Each A And B Side Has 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.# 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								
Distribution								
Steam Piping/Pump	10%	0-2	\$500	2044	* *			
	Other Observation, Extent : Moderate, Area Affected : 10%							
	Location : A Side 2nd Floor Bunker Room							
	Explanation : Too Cold							
Steam Piping/Pump	90%			2044	* *			
Terminal Devices								
Convactor/Radiator	100%			2039	* *	1	\$3,500	
Controls								
Electrical	100%			2029	\$65,200			
Air Conditioning								
Energy Source								
Electricity	100%			2042	* *	1		
Conversion Equipment								
Window/Wall Unit	75%			2029	\$33,300	1		
No Component	25%							
Plumbing								
H/C Water Piping								
Brass/Copper	90%			2044	* *	1		
Brass/Copper	10%	0-2	\$800	2044	* *	1		
	Not Insulated, Extent : Moderate, Area Affected : 60%							
	Location : A And B Side Basements							
Water Heater With Tanks								
Electric	100%			2029	\$50,700	4		
	Other Observation, Extent : Light, Area Affected : 100%							
	Location : Basements							
	Explanation : Two 40 Gallon 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.

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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Electrical	\$128,900	\$127,000
Mechanical		\$496,700
Total	\$128,900	\$623,700
Importance Code A		\$63,500
Importance Code B	\$128,900	\$560,200
Total	\$128,900	\$623,700

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$68,700	\$26,200		
Interior Architecture	\$73,800	\$9,500	\$4,600	\$500
Electrical	\$15,400	\$44,300	\$2,100	\$2,000
Mechanical	\$10,000	\$49,700	\$6,700	\$4,500
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$171,800	\$133,600	\$17,300	\$11,000
Importance Code A	\$70,100	\$28,000	\$1,400	\$1,400
Importance Code B	\$78,000	\$105,600	\$15,900	\$9,600
Importance Code C	\$23,700			
Total	\$171,800	\$133,600	\$17,300	\$11,000



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057

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	\$3,400	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	\$34,000	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	\$28,200	2056	* *	5	\$300	1
		Air Infiltration, Extent : Severe, Area Affected : 100%							
		Location : Throughout							
		Crtwt/Balnc Not Funct, Extent : Severe, Area Affected : 30%							
		Location : Throughout							
		Misaligned/Bulging, Extent : Severe, Area Affected : 25%							
		Location : Various Windows Throughout							
	Steel	5%	Now	\$1,400	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	\$1,400	
	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.

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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	\$74,600	3	\$6,500	
	Cast in Place Concrete	25%	Now	\$17,900	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	\$700	
	Vinyl Tile	10%	4+	\$5,800	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	\$12,800	2044	**	5	\$600	
	Other Observation, Extent : Moderate, Area Affected : 10%								
	Location : Toilet Rooms								
	Explanation : Patching Evident								
	Concrete Masonry Unit	10%	Now	\$10,900	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	\$7,100	
	Plaster	48%			LIFE	**	5	\$8,600	
	SGFT/Glazed Masonry	20%			LIFE	**			
Ceilings									
	AcousTileConcealSpLn	35%			2036	**	5	\$18,900	
	AcousTileSusp.Lay-In	20%			2044	**	5	\$8,600	
	Exposed Struc: Concrete	20%	Now	\$25,300	LIFE	**	5	\$1,400	
	Cracking/Crumbling, Extent : Light, Area Affected : 5%								
	Location : Stair 3 At Cellar								
	Gypsum Board	25%			LIFE	**	5	\$13,500	
Site Enclosure									
	Fence/Gates								
	Chain Link	100%			2051	**			
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%			2044	**			
	On-Site Walkways								
	Cast in Place Concrete	100%			2044	**			
	Parking/Driveway								
	Asphalt	100%			2040	**			

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FIRE DEPARTMENT - 057**LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT****Asset # : 13218**

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Under 600 Volts									
Service Equipment									
	Molded Case Bkrs	100%			2031	\$63,500	5	\$800	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Electrical Room Basement									
Explanation : One 400 Ampere Main Disconnect Switch									
Switchgear / Switchboard									
	Molded Case Bkrs	100%			2031	\$63,500	5	\$800	
Raceway									
	Conduit	90%			2031	\$32,400	1		
	Conduit	10%			2051	* *	1		
Panelboards									
	Fused Disc Sw	5%			2047	* *	5		
	Molded Case Bkrs	75%			2030	\$36,400	5	\$600	
	Molded Case Bkrs	20%			2047	* *	5	\$200	
Wiring									
	Thermoplastic	20%			2051	* *	1		
	Thermoplastic	80%			2031	\$26,000	1		
Motor Controllers									
	Locally Mounted	100%			2029	\$17,800	5	\$200	
Ground									
Grounding Devices									
	Generic	100%	0-2	\$10,200	LIFE	* *	5	\$400	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Water Main Basement									
Explanation : Corroded									
Stand-by Power									
Transfer Switches									
	Automatic	100%			2029	\$12,900	1	\$8,900	
Generators									
	Diesel	100%			2027	\$99,500	1	\$11,200	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Generator Room Basement									
Explanation : One 30 Kilowatts									
Batteries									
	Lead/Acid	100%			2025	\$2,400	5	\$1,100	
Fuel Storage									
	Day Tank	50%			2030	\$12,500	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Generator Room									
Explanation : One 10 Gallons Rated Capacity									
	Main Tank	50%			2034	\$37,500	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : One 275 Gallons Rated Capacity									

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FIRE DEPARTMENT - 057**LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT****Asset # : 13218**

Electrical		Current Repair		Future Replacement		Maintenance			
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	\$4,900	10	\$500	
		Compact Fluorescent Light, Extent : Light, Area Affected : 100%							
		Location : Basement							
	Fluorescent	10%			2026	\$24,500	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	\$22,500	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	\$2,600	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	\$200	
		Recent Replace Evident, Extent : N/A, Area Affected : 15%							
		Location : 2nd Floor Division 1							

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FIRE DEPARTMENT - 057

LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT

Asset # : 13218

Mechanical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Terminal Devices								
	Convactor/Radiator	45%			2036	**	1	\$4,200	
	Convactor/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	\$139,800	1	\$1,900	
	Unit Heater - Hot Water	20%			2036	**			
Air Conditioning									
	Energy Source								
	Electricity	100%			2039	**	1		
	Conversion Equipment								
	Reciprocating Compr/Chiller	30%			2031	\$124,800	1	\$4,000	
		R-22 Refrigerant, Extent : Light, Area Affected : 30%							
		Location : Penthouse							
	Window/Wall Unit	50%			2029	\$53,400	1		
	No Component	20%							
Distribution									
	CW & CHW Wtr Pipe/Pump	30%	Now	\$1,100	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	\$128,700	1	\$1,400	
	No Component	70%							
Heat Rejection									
	Evaporative Condenser	15%			2039	**	2	\$3,000	
		Recent Installation, Extent : N/A, Area Affected : 15%							
		Location : Lower Roof							
	Dry Cooler	30%			2026	\$31,100	2	\$6,000	
	No Component	55%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	**	2-5	\$16,100	
Exhaust Fans									
	Interior	40%			2031	\$50,000	2	\$400	
	Roof	60%	Now	\$700	2031	\$32,800	2	\$400	
		Other Observation, Extent : Moderate, Area Affected : 3%							
		Location : Lower Roof							
		Explanation : 1 Cover Is Missing							

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FIRE DEPARTMENT - 057

LADDER CO. 20 DIVISION 1 / FIRE MARSHAL/COUNSELING SERVICES UNIT

Asset # : 13218

Mechanical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2041	* *	1		
	Water Heater With Tanks								
	Electric	15%			2030	\$3,500	4		
		Other Observation, Extent : Light, Area Affected : 15%							
		Location : 2nd Floor Division 1							
		Explanation : 1 Unit							
	Gas Fired	85%			2026	\$14,200	2		
		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	\$500	2025	\$900	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	

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture		\$139,300
Interior Architecture	\$58,000	
Total	\$58,000	\$139,300
Importance Code A		\$139,300
Importance Code B	\$58,000	
Total	\$58,000	\$139,300

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$119,200	\$5,700		\$3,100
Interior Architecture	\$39,500			
Electrical	\$3,600	\$1,000	\$1,100	\$900
Mechanical	\$40,800	\$6,700	\$8,000	\$13,400
Total	\$203,000	\$13,400	\$9,100	\$17,500
Importance Code A	\$119,800	\$6,300	\$700	\$3,800
Importance Code B	\$44,700	\$7,000	\$8,400	\$13,700
Importance Code C	\$38,500			
Total	\$203,000	\$13,400	\$9,100	\$17,500



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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	\$15,700		
Masonry: Brick	66%	4+	\$42,600	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	\$6,000		
Metal Panel	2%			2051	**	5-10	\$5,500		
Metal Sect. OHD	5%			2048	**	5	\$6,300		
Window Wall	2%			2051	**	5	\$3,000		
Windows									
Aluminum	100%	Now	\$19,600	2047	**	5	\$1,100		
Ctrwt/Balnc Not Funct, Extent : Severe, Area Affected : 20%									
Location : 2nd And 3rd Floor Windows									
Parapets									
Cast Stone/Terra Cotta	20%	Now	\$2,800	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	\$41,800	2031	\$139,300				
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+	\$1,500	2044	**	1			
Water Penetration, Extent : Moderate, Area Affected : 5%									
Location : 3rd Floor Locker Room									
Sloped Glazing	5%			LIFE	**	5	\$9,400		
Interior									
Floors									
Cast in Place Concrete	40%			LIFE	**	5	\$17,400		
Ceramic Tile	10%			2040	**	5	\$2,000		
Wood	50%	2-4	\$58,000	2059	**	5	\$9,300		
Deteriorated Finish, Extent : Severe, Area Affected : 75%									
Location : All Wood Flooring On 2nd Floor									

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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		\$600	
Glass: Single Pane	3%			LIFE	**	5		\$700	
Gypsum Board	5%			LIFE	**	5		\$900	
Masonry: Brick	25%	Now		\$27,400	LIFE	**			

Misaligned/Bulging, Extent : Light, Area Affected : 10%

Location : Rear Wall. At Kitchen

Water Penetration, Extent : Severe, Area Affected : 5%

Location : At Sidewalk Vault

Worn/Eroded, Extent : Severe, Area Affected : 5%

Location : At Sidewalk Vault

Plaster	22%			LIFE	**	5		\$1,900	
Wood	20%	4+		\$8,100	LIFE	**	5	\$23,600	

Punct/Tear/Impact Damage, Extent : Moderate, Area Affected : 100%

Location : Throughout

Ceilings

Exposed Struc: Steel	30%			LIFE	**				
<i>Other Observation, Extent : N/A, Area Affected : 100%</i>									
<i>Location : Below Apparatus Floor</i>									
<i>Explanation : Material Is Actually Metal Decking</i>									
Metal Panel	20%			LIFE	**	5		\$5,000	
Plaster	50%			LIFE	**	5		\$6,200	

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2044	**				
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Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2051	**	5		\$100	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Basement</i>									
<i>Explanation : One 600 Amperes.</i>									

Switchgear / Switchboard

Fused Disc Sw	100%			2051	**	5		\$100	
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Raceway

Conduit	100%			2051	**	1			
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Panelboards

Fused Disc Sw	5%			2047	**	5			
Molded Case Bkrs	95%			2047	**	5		\$300	

Wiring

Thermoplastic	100%			2051	**	1			
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Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

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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	\$200	
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	\$2,400	5	\$500	
	Fuel Storage								
	Day Tank	50%			2047	* *	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : One 25 Gallons								
	Main Tank	50%			2059	* *	5		
	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	\$400	
	Hot Wtr Piping/Pump	40%	0-2	\$4,500	2047	**	4	\$300	
		Controller Not Working, Extent : Severe, Area Affected : 100%							
		Location : Defective Thermostat. Unable To Control Heating							
Terminal Devices									
	Convactor/Radiator	20%			2044	**	1	\$900	
	Convactor/Radiator	10%	0-2	\$500	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	\$5,900	
	No Component	20%							
Exhaust Fans									
	Roof	80%			2031	\$20,200	2	\$300	
	Wall Unit	20%			2036	**	2	\$100	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2051	**	1		
Water Heater With Tanks									
	Gas Fired	100%			2029	\$16,700	2		
		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.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. 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
Plumbing									
	Sanitary Piping								
	Cast Iron	60%			LIFE	* *	1		
	Cast Iron	40%	0-2	\$6,500	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	\$2,600	4	\$300	
	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%			2025	\$15,900	1-3	\$80,900	
	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : LADDER CO. 3
Address : 108 EAST 13TH STREET
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSLAD.003 / 13215 **Yr Built/Renovated** : 1929 / 2002
Area Sq Ft : 5,148 **Project Type** : FIRE DEPARTMENT
Date of Survey : 14-Apr-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 558 **Lot** : 11 **BIN** : 1009010

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture		\$79,500
Interior Architecture		\$82,800
Total		\$162,200
Importance Code A		\$79,500
Importance Code B		\$82,800
Total		\$162,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$60,100	\$3,000		
Interior Architecture	\$46,300		\$1,000	\$200
Electrical	\$500	\$3,100	\$500	\$44,100
Mechanical	\$31,700	\$6,400	\$6,200	\$38,600
Total	\$138,700	\$12,500	\$7,800	\$82,900
Importance Code A	\$60,600	\$3,500	\$500	\$500
Importance Code B	\$69,300	\$9,000	\$7,000	\$82,300
Importance Code C	\$8,800		\$300	
Total	\$138,700	\$12,500	\$7,800	\$82,900



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%	Now	\$24,100	LIFE	**	5	\$15,000	
		Water Penetration, Extent : Moderate, Area Affected : 5%							
		Location : 2nd Floor Front Offices							
	Masonry: Granite	2%			LIFE	**	5	\$300	
	Masonry: Limestone	10%	Now	\$14,900	LIFE	**	5	\$1,500	
		Joint Mortar Miss/Erod, Extent : Light, Area Affected : 10%							
		Location : Front Facade							
		Water Penetration, Extent : Moderate, Area Affected : 5%							
		Location : Front Facade							
		Metal Sect. OHD	10%			2046	**	5	\$6,100
Slate Panels		1%	Now	\$2,900	LIFE	**	5	\$100	
		Cracking/Crumbling, Extent : Light, Area Affected : 100%							
		Location : 1st Floor Window Sill In East Alleyway							
Windows									
	Aluminum	100%			2049	**	5	\$1,300	
Parapets									
	Masonry: Brick	90%			LIFE	**	5	\$3,000	
	Masonry: Sandstone	10%	Now	\$2,300	LIFE	**	5	\$400	
		Water Penetration, Extent : Moderate, Area Affected : 5%							
		Location : Parapet							
Roof									
	Modified Bitumen	100%	Now	\$15,900	2033	\$79,500			
		Blisters, Extent : Moderate, Area Affected : 10%							
		Location : Throughout Roof							
		Ponding, Extent : Moderate, Area Affected : 10%							
		Location : Lower Roof							
Interior									
Floors									
	Cast in Place Concrete	50%	Now	\$31,800	LIFE	**	5	\$8,400	
		Cracking/Crumbling, Extent : Moderate, Area Affected : 5%							
		Location : Apparatus Floor							
		Water Penetration, Extent : Light, Area Affected : 10%							
		Location : At Recent Patch Through The Apparatus Floor							
	Ceramic Tile	10%			2042	**	5	\$800	
	Vinyl Tile	40%			2033	\$82,800	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%			2042	**	5		\$500	
Gypsum Board	5%			LIFE	**	5		\$300	
Masonry: Brick	20%			LIFE	**				
Plaster	35%	Now		\$8,800	LIFE	**	5	\$1,100	

*Cracking/Crumbling, Extent : Light, Area Affected : 20%**Location : Adjacent To Roof Hatch And Truck Office**Water Penetration, Extent : Light, Area Affected : 20%**Location : Adjacent To Roof Hatch And Captain Office*

SGFT/Glazed Masonry	25%			LIFE	**				
Wood	10%			LIFE	**	5		\$4,200	

Ceilings

AcousTileSusp.Lay-In	5%			2038	**	5		\$400	
Exposed Struc: Steel	40%			LIFE	**				
Gypsum Board	5%			LIFE	**	5		\$500	
Plaster	50%	Now		\$5,700	LIFE	**	5	\$2,400	

*Water Penetration, Extent : Moderate, Area Affected : 5%**Location : Captain Office***Site Enclosure****Fence/Gates**

Iron Picket	100%			2053	**				
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Site Pavements**Public Sidewalk**

Cast in Place Concrete	100%			2046	**				
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On-Site Walkways

Cast in Place Concrete	100%			2046	**				
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Parking/Driveway

Cast in Place Concrete	100%			2046	**				
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Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts**Service Equipment**

Fused Disc Sw	100%			2043	**	5			
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : Main Service Switch Rated At 200 Amperes***Raceway**

Conduit	100%			2033		\$36,000	1		
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Panelboards

Molded Case Bkrs	100%			2041	**	5		\$100	
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Wiring

Thermoplastic	100%			2033		\$32,500	1		
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Ground*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.**Estimates are rounded to the nearest hundred dollars.**Maintenance \$ are aggregated over a ten-year period. 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%			2038	**	1	\$1,600	
	Generators								
	Diesel	100%			2036	**	1	\$2,000	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : Generator Rated At 40 Kilowatts								
	Batteries								
	Lead/Acid	100%			2026	\$2,400	5	\$200	
	Fuel Storage								
	Day Tank	10%			2041	**	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement At Generator								
	Explanation : 50 Gallons Capacity								
	Day Tank	10%			2041	**	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement Adjacent To Generator								
	Explanation : 75 Gallons Capacity								
	Main Tank	80%			2036	**	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : 550 Gallons Capacity								
Lighting									
	Interior Lighting								
	Fluorescent	60%			2028	\$26,200	10	\$2,800	
	T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
	Location : Throughout The Building								
	Fluorescent	30%			2028	\$13,100	10	\$1,400	
	T-12 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
	Location : 2nd Floor Offices								
	LED	10%			2038	**			
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Throughout The Building								
	Explanation : LED Lighting								
	Egress Lighting								
	Emergency, Battery	50%			2033	\$4,200	10	\$600	
	No Component	50%							
	Exterior Lighting								
	LED	20%			2041	**			
	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**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

AlarmSecurity System
Generic

100%

2041

* *

1

\$1,900

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Exterior Only**Explanation : Cameras Security 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%

2053

* *

1

Conversion Equipment

Steam Boiler

100%

2046

* *

1

\$5,100

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : 1 Unit*

Distribution

Steam Piping/Pump

100%

2043

* *

Terminal Devices

Convactor/Radiator

100%

2031

\$41,100

1

\$1,700

Air Conditioning

Energy Source

Electricity

100%

2041

* *

1

Conversion Equipment

Window/Wall Unit

50%

2028

\$9,500

1

No Component

50%

Ventilation

Distribution

Ductwork/Diffusers

15%

LIFE

* *

2-5

\$400

No Component

85%

Exhaust Fans

Roof

15%

0-2

\$100

2038

* *

2

*Not in Service, Extent : Moderate, Area Affected : 75%**Location : 2 Motors, Roof*

Wall Unit

20%

2028

\$400

2

No Component

65%

Plumbing

H/C Water Piping

Brass/Copper

100%

2043

* *

1

Water Heater With Tanks

Gas Fired

100%

2031

\$33,400

2

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Basement**Explanation : 2 Units, 75 Gallons Each*

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*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057**LADDER CO. 3****Asset # : 13215**

Mechanical		Current Repair		Future Replacement		Maintenance			
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	\$19,000	LIFE	* *	1		
		Other Observation, Extent : Severe, Area Affected : 30%							
		Location : Basement							
		Explanation : Water Backs Up From The Sewage Pipe Underneath Of Basement Front Section Causing Terrible Flooding.							
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%			2026	\$200	4	\$200	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2028	\$15,900	1-3	\$80,900	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Kitchen							
		Explanation : 1 Set Covers 20 Square Feet.							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 30-Nov-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3821 **Lot** : 7 **BIN** : 2094870

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$193,200	
Interior Architecture	\$149,800	
Total	\$343,000	
Importance Code A	\$193,200	
Importance Code B	\$149,800	
Total	\$343,000	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$33,800		\$2,300	
Interior Architecture	\$57,800		\$800	
Electrical	\$28,900		\$100	
Mechanical	\$14,700	\$1,200	\$1,300	\$1,600
Total	\$135,200	\$1,200	\$4,400	\$1,600
Importance Code A	\$34,400	\$600	\$2,900	\$600
Importance Code B	\$81,900	\$600	\$1,500	\$1,000
Importance Code C	\$18,900			
Total	\$135,200	\$1,200	\$4,400	\$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**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+	\$81,600	LIFE	**	5	\$20,300	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : Front Facade								
	Masonry: Granite	20%			LIFE	**	5	\$8,700	
	Masonry: Limestone	5%	4+	\$11,200	LIFE	**	5	\$1,100	
	Staining/Discoloring, Extent : Moderate, Area Affected : 5%								
	Location : Front Elevation								
	Metal Sect. OHD	5%			2047	**	5	\$4,500	
Windows									
	Aluminum	100%			2050	**	5	\$1,400	
Parapets									
	Masonry: Brick	80%			LIFE	**	5-10	\$13,000	
	Pre-Cast Concrete	20%			LIFE	**	5	\$6,000	
Roof									
	Modified Bitumen	95%	Now	\$111,600	2044	**			1
	Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
	Location : Main Roof								
	Water Penetration, Extent : Severe, Area Affected : 50%								
	Location : 2nd Through 3rd Floor								
	Roll Roofing	5%	Now	\$3,500	2036	**	5	\$500	1
	Broken/Missing Elements, Extent : Severe, Area Affected : 100%								
	Location : Throughout								
	Worn/Eroded, Extent : Severe, Area Affected : 100%								
	Location : Lower Roof								
Interior									
Floors									
	Cast in Place Concrete	38%	Now	\$149,800	LIFE	**	5	\$7,900	
	Cracking/Crumbling, Extent : Severe, Area Affected : 70%								
	Location : Basement								
	Other Observation, Extent : Severe, Area Affected : 80%								
	Location : Basement								
	Explanation : Temporary Steel Columns Shoring Up Apparatus Floor								
	Ceramic Tile	5%	4+	\$1,300	2037	**	5	\$200	
	Horizontal Cracks, Extent : Light, Area Affected : 2%								
	Location : Toilet Rooms								
	Quarry Tile	2%	4+	\$700	2039	**	5	\$100	
	Cracking/Crumbling, Extent : Light, Area Affected : 10%								
	Location : Kitchen								
	Sheet Vinyl/Rubber	20%	4+	\$12,100	2039	**	5	\$1,400	
	Punct/Tear/Impact Damage, Extent : Severe, Area Affected : 30%								
	Location : Throughout								
	Steel Plate	5%			LIFE	**	1		
	Terrazzo	5%			LIFE	**	5	\$700	
	Vinyl Tile	25%			2039	**	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+	\$700	2043	* *	5	\$300	
		Vertical Cracks, Extent : Moderate, Area Affected : 2%							
		Location : Throughout							
	Concrete Masonry Unit	10%	4+	\$2,400	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	\$1,100	LIFE	* *	5	\$2,300	
		Broken/Missing Elements, Extent : Severe, Area Affected : 5%							
		Location : Throughout							
	Masonry: Brick	20%	Now	\$9,700	LIFE	* *			
		Loose/Delam Surface, Extent : Severe, Area Affected : 5%							
		Location : Basement							
	Plaster	30%	4+	\$4,700	LIFE	* *	5	\$1,200	
		Staining/Discoloring, Extent : Moderate, Area Affected : 15%							
		Location : Throughout							
	Steel Plate	5%			LIFE	* *	5	\$800	
Ceilings									
	AcousTileSusp.Lay-In	10%			2047	* *	5	\$900	
	Exposed Struc: Concrete	10%	Now	\$13,900	LIFE	* *	5	\$100	
		Cracking/Crumbling, Extent : Severe, Area Affected : 5%							
		Location : Basement							
		Exposed Reinforcement, Extent : Moderate, Area Affected : 2%							
		Location : Basement							
		Other Observation, Extent : Moderate, Area Affected : 5%							
		Location : Basement							
		Explanation : Rusting Structural Beams							
	Gypsum Board	40%			LIFE	* *	5-10	\$13,000	
	Plaster	40%	Now	\$2,300	LIFE	* *	5	\$2,400	
		Cracking/Crumbling, Extent : Severe, Area Affected : 5%							
		Location : Throughout							
		Water Penetration, Extent : Severe, Area Affected : 2%							
		Location : 2nd Floor Locker Area							
Site Enclosure									
	Fence/Gates								
	Chain Link	100%			2054	* *			
Site Pavements									
	Public Sidewalk								
	Cast in Place Concrete	100%			2047	* *			
	Parking/Driveway								
	Cast in Place Concrete	100%			2047	* *			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. 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%			2054	* *	1		
	Conduit	70%			2034	\$25,200	1		
Panelboards									
	Molded Case Bkrs	75%			2042	* *	5	\$100	
	Molded Case Bkrs	25%			2033	\$12,100	5		
Wiring									
	Braided Cloth	40%	2-4	\$13,000	2059	* *	1		
		Insulation Aged, Extent : Moderate, Area Affected : 100% Location : Throughout The Building							
	Thermoplastic	20%			2054	* *	1		
	Thermoplastic	40%			2034	\$13,000	1		
Motor Controllers									
	Locally Mounted	50%			2032	\$8,900	5		
	Locally Mounted	50%			2051	* *	5		
Ground									
Grounding Devices									
	Generic	100%	2-4	\$10,200	LIFE	* *	5	\$100	
		Corroded, Extent : Moderate, Area Affected : 100% Location : Basement							
Lighting									
Interior Lighting									
	Fluorescent	88%	Now	\$4,700	2034	\$47,300			
		Damaged Fixtures, Extent : Moderate, Area Affected : 10% Location : Throughout The Building T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100% Location : Throughout The Building							
	Incandescent	2%			2029	\$1,500	2		
	LED	10%			2039	* *			
Egress Lighting									
	Emergency, Battery	50%			2029	\$5,200	10	\$800	
	Exit, Battery	50%			2029	\$4,400	10	\$200	
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%			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

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									
	Conversion Equipment								
	Steam Boiler	100%			2047	* *	1	\$6,300	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : One Unit							
Distribution									
	Steam Piping/Pump	100%			2034	\$49,600			
Terminal Devices									
	Convactor/Radiator	5%	0-2	\$1,000	2039	* *	1	\$100	
		Not in Service, Extent : Moderate, Area Affected : 50%							
		Location : 1st Floor Television Room							
	Convactor/Radiator	75%			2032	\$38,000	1	\$1,500	
	Fan Coil Unit/Heat	20%			2034	\$30,700	1	\$400	
Air Conditioning									
	Energy Source								
	Electricity	100%			2042	* *	1		
Conversion Equipment									
	Split Unit	5%	0-2	\$7,400	2044	* *			
		Leak Evident, Extent : Moderate, Area Affected : 20%							
		Location : Lunch Room. Leaking Condensate							
		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%			2029	\$9,400	1		
	No Component	55%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	10%			LIFE	* *	2-5	\$600	
	No Component	90%							
Exhaust Fans									
	Roof	10%	0-2	\$100	2034	\$1,200	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	\$1,600	2044	* *	1		
		Pump(s) Malfunctioning, Extent : Moderate, Area Affected : 100%							
		Location : Booster Pump And Tank, Basement							
Water Heater With Tanks									
	Gas Fired	100%			2029	\$33,400	2		
		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**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									
	Sanitary Piping								
	Cast Iron	100%	0-2	\$1,600	LIFE	* *	1		
		Corroded, Extent : Moderate, Area Affected : 10%							
		Location : Basement							
Storm Drain Piping									
	Cast Iron	100%	0-2	\$1,100	LIFE	* *	1		
		Corroded, Extent : Moderate, Area Affected : 100%							
		Location : Basement							
Sump Pump(s)									
	Submersible	100%	0-2	\$200	2029	\$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%			2034	\$2,800	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%			2029	\$1,000	1-3	\$4,900	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Kitchen							
		Explanation : 1 Set 8x5 Which is 40 Square Foot Fire Suppression System Over Kitchen Hood. 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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Electrical		\$63,500
Total		\$63,500
Importance Code A		\$63,500
Total		\$63,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$200	\$1,200	\$500	\$2,400
Interior Architecture	\$1,000	\$1,200	\$300	
Electrical	\$2,900	\$500	\$400	\$400
Mechanical	\$10,100	\$31,100	\$2,700	\$1,400
Total	\$14,200	\$34,000	\$3,900	\$4,100
Importance Code A	\$700	\$1,900	\$1,000	\$3,000
Importance Code B	\$12,800	\$32,100	\$2,800	\$1,200
Importance Code C	\$600			
Total	\$14,200	\$34,000	\$3,900	\$4,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057**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	\$9,200	
	Painted Surfaces, Extent : Light, Area Affected : 100%								
	Location : Throughout								
	Masonry: Granite	2%			LIFE	**	5	\$200	
	Metal Sect. OHD	10%			2048	**	5	\$4,800	
	Recent Replace Evident, Extent : N/A, 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	\$300	
	Masonry: Brick	30%			LIFE	**	5	\$200	
	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	\$3,400			
	Water Penetration, Extent : Moderate, Area Affected : 15%								
	Location : Dining Room, Weight Room, And Barbecue Area								
	Roll Roofing	5%			2032	\$2,100	5	\$500	
	Recent Installation, Extent : N/A, Area Affected : 100%								
	Location : Over Shed Roof								
	Not Accessible	85%							
	Other Observation, Extent : N/A, Area Affected : 0%								
	Location : Main Roof								
	Explanation : Modified Bitumen								
Interior									
Floors									
	Cast in Place Concrete	35%			LIFE	**	5	\$5,100	
	Ceramic Tile	5%	4+	\$400	2034	\$18,300	5	\$200	
	Broken/Missing Elements, Extent : Light, Area Affected : 5%								
	Location : Bathroom On 1st Floor								
	Terrazzo	10%			LIFE	**	5	\$500	
	Vinyl Tile	30%			2039	**	3	\$800	
	Recent Replace Evident, Extent : N/A, Area Affected : 100%								
	Location : Second Floor								
	Wood	20%			2066	**	5	\$2,500	
	Recent Installation, Extent : N/A, 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	\$400	LIFE	**	5		\$800	

*Water Penetration, Extent : Moderate, Area Affected : 5%**Location : 1st Floor Areas Located Below Asphalt Shingle Roof*

Masonry: Brick	10%			LIFE	**				
Plaster	25%			LIFE	**	5		\$700	
Wood	45%			LIFE	**	5		\$16,500	

*Deteriorated Finish, Extent : Light, Area Affected : 10%**Location : Throughout Apparatus Area***Ceilings**

AcousTileSusp.Lay-In	10%			2044	**	5		\$700	
Embossed Metal	30%			LIFE	**	5		\$900	

*Deformed/Dented, Extent : Light, Area Affected : 20%**Location : Apparatus Area*

Exposed Struc: Steel	25%			LIFE	**				
Gypsum Board	15%			LIFE	**	5		\$1,200	
Plaster	20%			LIFE	**	5		\$800	

Site Enclosure**Fence/Gates**

Chain Link	98%			2041	**				
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*Other Observation, Extent : Light, Area Affected : 25%**Location : Throughout**Explanation : Vegetation Growth*

Iron Picket	2%			2051	**				
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Site Pavements**Public Sidewalk**

Cast in Place Concrete	100%			2044	**				
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On-Site Walkways

Cast in Place Concrete	100%			2036	**				
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Parking/Driveway

Cast in Place Concrete	25%			2044	**				
No Component	75%								

*Other Observation, Extent : N/A, 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		\$63,500	5	\$200	
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*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	\$4,800	5		
	Molded Case Bkrs	50%			2039	* *	5	\$100	
	Molded Case Bkrs	40%			2030	\$19,400	5	\$100	
Wiring									
	Thermoplastic	70%			2031	\$22,800	1		
	Thermoplastic	30%			2051	* *	1		
Motor Controllers									
	Locally Mounted	100%			2029	\$17,800	5		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$100	
	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	\$2,400	5	\$200	
Fuel Storage									
	Day Tank	50%			2047	* *	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : One 50 Gallons								
	Main Tank	50%			2059	* *	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : One 216 Gallons								
Lighting									
	Interior Lighting								
	Fluorescent	90%			2031	\$44,500	10	\$4,800	
	T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%								
	Location : Throughout								
	Incandescent	10%			2031	\$7,000	2		
Egress Lighting									
	Emergency, Service	70%			2031	\$2,500	1		
	Exit, LED	30%			2046	* *	1		

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057**LADDER CO. 79****Asset # : 13222**

Electrical		Current Repair			Future Replacement		Maintenance		
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		\$13,300	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		
<i>Corroded, Extent : Light, Area Affected : 100%</i>									
<i>Location : Cellar</i>									

Conversion Equipment

Steam Boiler	100%			2036		* *	1	\$5,800	
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Distribution

Steam Piping/Pump	100%			2041		* *			
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Terminal Devices

Convactor/Radiator	100%			2036		* *	1	\$1,900	
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Air Conditioning

Energy Source

Electricity	100%			2039		* *	1		
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Conversion Equipment

Split Unit	10%			2031		\$13,500			
Window/Wall Unit	50%			2026		\$10,800	1		
No Component	40%								

Distribution

Ductwork/Diffusers	50%			LIFE		* *	2	\$3,800	
No Component	50%								

Terminal Devices

Air Handler/Dir	50%			2031		\$32,700	1		
Expansion									
No Component	50%								

Heat Rejection

Air Cooled Condenser	50%			2031		\$4,900	2	\$2,000	
Unit									
No Component	50%								

Ventilation

Exhaust Fans

Interior	80%	Now		\$1,000	2031	\$20,200	2	\$100	
<i>Broken, Extent : Severe, Area Affected : 10%</i>									
<i>Location : 1st Floor Bathroom</i>									
<i>Malfunctioning, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : 1st Floor Bathroom</i>									

Wall Unit	20%	Now		\$100	2031	\$500	2		
<i>Broken, Extent : Severe, Area Affected : 30%</i>									
<i>Location : Kitchen Hood</i>									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. 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 With Tanks								
	Gas Fired	100%			2026	\$16,700	2		
				Other Observation, Extent : Light, Area Affected : 100%					
				Location : Basement					
				Explanation : 75 Gallons					
	Sanitary Piping								
	Cast Iron	100%	Now	\$7,200	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	\$1,600	1-3	\$7,400	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : LADDER CO. 8
Address : 14 NORTH MOORE STREET @ VARICK ST.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSLAD.008 / 13216 **Yr Built/Renovated** : 1904 / 2002
Area Sq Ft : 6,258 **Project Type** : FIRE DEPARTMENT
Date of Survey : 12-Oct-2021 **Landmark Status** : HISTORICAL LANDMARK DISTRICT
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 189 **Lot** : 35 **BIN** : 1002150

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$7,800			
Interior Architecture	\$31,200	\$600		\$4,700
Electrical	\$300	\$200	\$200	\$200
Mechanical	\$10,300	\$10,100	\$27,300	\$10,100
Site Enclosure	\$9,800			
Total	\$59,400	\$11,000	\$27,500	\$15,100
Importance Code A	\$8,100	\$300	\$300	\$300
Importance Code B	\$10,400	\$10,300	\$27,200	\$14,800
Importance Code C	\$40,800	\$300		
Total	\$59,400	\$11,000	\$27,500	\$15,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057**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	40%			LIFE	**	5	\$12,000	
	Masonry: Brick	30%			LIFE	**	5	\$9,000	
	Masonry: Granite	5%			LIFE	**	5	\$1,100	
	Masonry: Limestone	10%			LIFE	**	5	\$2,300	
Recent Repair Evident, Extent : N/A, Area Affected : 100%									
Location : Throughout									
	Metal Sect. OHD	15%			2050	**	5	\$14,100	
Windows									
	Aluminum	100%			2055	**	5	\$1,500	
Parapets									
	Masonry: Brick	90%			LIFE	**	5	\$2,400	
Recent Replace Evident, Extent : N/A, Area Affected : 100%									
Location : Throughout									
	Masonry: Limestone	10%			LIFE	**	5	\$300	
Roof									
	Modified Bitumen	100%			2041	**	10	\$5,900	
Interior									
Floors									
	Cast in Place Concrete	20%			LIFE	**	5	\$4,100	
	Cast in Place Concrete	20%			LIFE	**	5	\$4,100	
	Sheet Vinyl/Rubber	5%			2043	**	5	\$700	
	Traffic Topping	5%			2041	**	5	\$600	
	Wood	50%			2068	**	5	\$8,800	
Interior Walls									
	Ceramic Tile	5%			2046	**	5	\$600	
	Concrete Masonry Unit	2%			LIFE	**	5	\$100	
	Fiberglass Panel	5%			LIFE	**			
Other Observation, Extent : Light, Area Affected : 100%									
Location : Mezzanine									
Explanation : Foam Insulation Covering									
	Gypsum Board	33%			LIFE	**	5	\$2,600	
	Masonry: Brick	20%			LIFE	**			
Painted Surfaces, Extent : Severe, Area Affected : 100%									
Location : Basement									
	Plaster	10%			LIFE	**	5	\$400	
	SGFT/Glazed Masonry	25%	Now	\$31,000	LIFE	**			
Cracking/Crumbling, Extent : Moderate, Area Affected : 100%									
Location : Apparatus Room									
Ceilings									
	AcousTileSusp.Lay-In	3%			2050	**	5	\$300	
	Embossed Metal	40%			LIFE	**	5	\$1,700	
	Exposed Struc: Concrete	2%			LIFE	**	5		
	Exposed Struc: Steel	20%			LIFE	**			
	Gypsum Board	30%			LIFE	**	5	\$3,500	
	Wood	5%			LIFE	**	5	\$4,100	

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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	

Site Enclosure

Fence/Gates

Iron Picket

100%

2068

* *

Free Standing Walls

Masonry: Brick

100%

Now

\$9,800

2043

* *

*Cracking/Crumbling, Extent : Moderate, Area Affected : 25%**Location : Side Yard*

Site Pavements

Public Sidewalk

Cast in Place Concrete

100%

2046

* *

On-Site Walkways

Cast in Place Concrete

100%

2046

* *

Parking/Driveway

Cast in Place Concrete

100%

2046

* *

Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw

100%

2059

* *

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : The Service Equipment Consists Of One 200 Ampere Main Disconnect Switch.*

Raceway

Conduit

100%

2059

* *

1

Panelboards

Molded Case Bkrs

100%

2055

* *

5

\$200

Wiring

Thermoplastic

100%

2059

* *

1

Motor Controllers

Locally Mounted

100%

2050

* *

5

Ground

Grounding Devices

Generic

100%

LIFE

* *

5

\$100

Lighting

Interior Lighting

Fluorescent

5%

2041

* *

10

\$300

*Other Observation, Extent : Light, Area Affected : 100%**Location : Bathrooms And Closets**Explanation : Fluorescent Fixtures Are T8 Lamp Type. They Are New Fixtures.*

LED

95%

2041

* *

*Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout Building**Explanation : New LED Fixtures Are Installed Throughout The Building.*

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FIRE DEPARTMENT - 057**LADDER CO. 8****Asset # : 13216**

Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of	Fail Date	Estimated Cost	Year	Estimated Cost	Cycle	Estimated Cost	Priority
		Total	(Years)		FY		(Yrs)		

Lighting

Egress Lighting

Emergency, Service	25%		2041	**	1				
Emergency, Battery	25%		2041	**	10			\$400	
Exit, LED	50%		2068	**	1				

Exterior Lighting

LED	20%		2041	**					
No Component	80%								

Alarm

Security System

Generic	100%		2041	**	1			\$2,300	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Exterior**Explanation : Surveillance Cameras 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%		2053	**	1				
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Conversion Equipment

Hot Water Boiler	100%		2046	**	1			\$3,100	
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Distribution

Hot Wtr Piping/Pump	100%		2049	**	4			\$500	
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Terminal Devices

Convactor/Radiator	90%		2046	**	1			\$1,800	
Unit Heater - Steam	10%		2038	**	4			\$100	

Air Conditioning

Energy Source

Electricity	100%		2049	**	1				
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Conversion Equipment

Split Unit	70%		2038	**					
No Component	30%								

Ventilation

Distribution

Ductwork/Diffusers	70%		LIFE	**	2-5			\$2,400	
No Component	30%								

Exhaust Fans

Wall Unit	30%		2043	**	2			\$100	
No Component	70%								

Plumbing

H/C Water Piping

Brass/Copper	95%		2063	**	1				
Galvanized Steel	5%		2053	**	1				

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FIRE DEPARTMENT - 057
LADDER CO. 8
Asset # : 13216

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	Water Heater With Tanks								
	Gas Fired	100%			2033	\$36,600	2		
			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%			2043	* *	4	\$100	
	Backflow Preventer								
	Generic	100%			2043	* *	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	100%			2033	\$30,600	1-3	\$145,800	
			Other Observation, Extent : Light, Area Affected : 5%						
			Location : Kitchen						
			Explanation : Ansul System, Kitchen Hood Covers 35 Sqaure Feet (5x7).						

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : MAINTENANCE GARAGE LIC
Address : 48-34 35TH STREET LONG ISLAND CITY
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIR0001.000 / 2010 **Yr Built/Renovated** : 1945 / 2009
Area Sq Ft : 205,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-May-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 254 **Lot** : 1 **BIN** : 4003451

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$221,600	\$5,448,000
Interior Architecture	\$1,804,000	\$386,700
Electrical		\$944,500
Mechanical	\$1,723,200	\$4,239,400
Site Pavements	\$59,000	
Total	\$3,807,700	\$11,018,600
Importance Code A	\$221,600	\$5,697,100
Importance Code B	\$2,767,200	\$5,321,400
Importance Code C	\$819,000	
Total	\$3,807,700	\$11,018,600

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$141,500			
Interior Architecture	\$140,900	\$1,300	\$6,400	\$6,400
Electrical	\$33,400	\$37,000	\$44,900	\$34,300
Mechanical	\$120,200	\$39,000	\$62,300	\$173,000
Site Pavements	\$11,100			
Total	\$447,000	\$77,200	\$113,500	\$213,700
Importance Code A	\$156,200	\$15,300	\$14,700	\$15,800
Importance Code B	\$232,300	\$61,900	\$98,800	\$197,900
Importance Code C	\$58,500			
Total	\$447,000	\$77,200	\$113,500	\$213,700



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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								
Exterior Walls								
Cast in Place Concrete	69%			LIFE	**	5	\$402,600	
Cast in Place Concrete	6%	Now	\$43,000	LIFE	**	5	\$35,000	
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%			2059	**	5-10	\$120,400	
Metal Sect. OHD	3%	Now	\$12,400	2046	**	5	\$5,500	
Other Observation, Extent : Moderate, Area Affected : 10%								
Location : East Facade Entrance								
Explanation : Bent Warped								
Metal Coiling Doors	5%	Now	\$30,400	2046	**	5	\$9,100	
Bent/Warped Elements, Extent : Moderate, Area Affected : 10%								
Location : East Side Of Building								
Wood Overhead Doors	2%	Now	\$39,300	2038	**	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%			2055	**	5	\$6,600	
Metal Louvers	5%	Now	\$9,300	2042	**			
Corrosion/Rusting, Extent : Light, Area Affected : 25%								
Location : Throughout								
Parapets								
Cast in Place Concrete	95%			LIFE	**	5	\$155,600	
Metal Panel	5%			2059	**	5	\$3,100	
Roof								
Modified Bitumen	85%			2033	\$4,358,900	10	\$408,300	
Modified Bitumen	10%	2-4	\$89,700	2041	**			
Blisters, Extent : Light, Area Affected : 5%								
Location : Flat Roofs Adjacent Solar Panels								
Ponding, Extent : Moderate, Area Affected : 10%								
Location : Flat Roofs								
Skylight, Metal/Glass	5%	Now	\$131,800	2053	**			
Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
Location : Main Maintenance Bay								
Soffits								
Cast in Place Concrete	100%	Now	\$3,800	LIFE	**	5	\$3,300	
Horizontal Cracks, Extent : Moderate, Area Affected : 10%								
Location : Main Entrance								

Interior

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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
Interior									
Floors									
	Carpet	1%			2032	\$44,300	3	\$3,800	
	Cast in Place Concrete	69%	4+	\$734,200	LIFE	**	5	\$386,700	
	Cracking/Crumbling, Extent : Light, Area Affected : 10%								
	Location : Throughout								
	Ceramic Tile	5%			2042	**	5	\$12,800	
	Terrazzo	5%	0-2	\$23,400	LIFE	**	5	\$10,000	
	Cracking/Crumbling, Extent : Light, Area Affected : 5%								
	Location : 1st Floor Lobby								
	Vinyl Tile	20%	Now	\$138,200	2038	**	3	\$19,200	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 10%								
	Location : Basement								
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : 1st And 2nd Floor								
Interior Walls									
	Cast in Place Concrete	35%	Now	\$721,500	LIFE	**			
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : 2nd Floor Window								
	Concrete Masonry Unit	10%			LIFE	**	5	\$11,100	
	Gypsum Board	25%	Now	\$47,400	LIFE	**	5	\$41,600	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
	Location : 1st Floor								
	Masonry: Brick	5%			LIFE	**			
	Plaster	5%			LIFE	**	5	\$4,200	
	SGFT/Glazed Masonry	20%	0-2	\$97,500	LIFE	**			
	Cracking/Crumbling, Extent : Light, Area Affected : 5%								
	Location : Plant Ops Bathrooms								
Ceilings									
	AcousTileSusp.Lay-In	25%			2050	**	5	\$64,000	
	Exposed Struc: Concrete	48%			LIFE	**	5	\$19,200	
	Exposed Struc: Concrete	12%	Now	\$112,500	LIFE	**	5	\$4,800	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : Concrete Beam At Storage Area								
	Exposed Struc: Steel	5%			LIFE	**			
	Plaster	10%	Now	\$38,000	LIFE	**	5	\$16,000	
	Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
	Location : Basement Storage								
Site Enclosure									
	Fence/Gates								
	Chain Link	100%			2053	**			
	Retaining Walls								
	Concrete Masonry Unit	100%			2053	**			
Site Pavements									

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FIRE DEPARTMENT - 057
MAINTENANCE GARAGE LIC
Asset # : 2010

Architecture		Current Repair			Future Replacement		Maintenance		
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	\$59,000	2046	* *				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 25%</i>									
<i>Location : Around Grating</i>									
<i>Spalling, Extent : Moderate, Area Affected : 10%</i>									
<i>Location : Around Grating</i>									

On-Site Walkways

Cast in Place Concrete	100%	Now	\$11,100	2046	* *				
<i>Cracking/Crumbling, Extent : Moderate, Area Affected : 15%</i>									
<i>Location : Steps To Entrance, West Side</i>									

Parking/Driveway

Cast in Place Concrete	100%			2046	* *				
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Electrical		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	98%			2053	* *		5	\$900	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Electrical Room Basement</i>									
<i>Explanation : Two 3,000 Ampere Main Disconnect Switches</i>									

Fused Disc Sw	2%			2059	* *		5		
<i>Other Observation, Extent : Moderate, Area Affected : 100%</i>									
<i>Location : Electrical Room At Offices Area</i>									
<i>Explanation : One 350 Ampere Main Disconnect Switch For Solar System</i>									

Transformers

Dry Type	100%			2046	* *		5	\$800	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Roof</i>									
<i>Explanation : One 225 Kilovolt Amperes 480/277 - 208/120 Volt, 112.5 Kilovolt Amperes, 480/277 - 208/120 Voltage And One 112.5 Kilovolt Amperes, 208/120 -480/277 Voltage For Solar System</i>									

Switchgear / Switchboard

Air Circuit Breaker	50%			2053	* *		5	\$500	
<i>Other Observation, Extent : Light, Area Affected : 100%</i>									
<i>Location : Generator Room</i>									
<i>Explanation : Low Voltage Power Circuit Breaker</i>									

Fused Disc Sw	50%			2053	* *		5	\$400	
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Raceway

Conduit	50%			2053	* *		1		
Conduit	50%			2033		\$18,000	1		

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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									
Panelboards									
	Fused Disc Sw	5%			2049	* *	5	\$200	
	Fused Disc Sw	5%			2032	\$2,400	5	\$200	
	Molded Case Bkrs	50%			2032	\$24,200	5	\$2,700	
	Molded Case Bkrs	40%			2049	* *	5	\$2,200	
Wiring									
	Thermoplastic	50%			2053	* *	1		
	Thermoplastic	50%			2033	\$16,300	1		
Motor Controllers									
	Locally Mounted	70%			2046	* *	5	\$1,000	
	Locally Mounted	30%			2031	\$5,300	5	\$400	
Ground									
Grounding Devices									
	Generic	100%			LIFE	* *	5	\$3,000	
Stand-by Power									
Transfer Switches									
	Automatic	100%			2046	* *	1	\$63,100	
Generators									
	Diesel	100%			2042	* *	1	\$79,400	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Generator Room Basement									
Explanation : Two 750 Kilowatts									
Batteries									
	Lead/Acid	100%			2027	\$2,400	5	\$7,600	
Fuel Storage									
	Day Tank	50%			2049	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Generator Room Basement									
Explanation : One 620 Gallons									
	Main Tank	50%			2061	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Underground									
Explanation : One 2,500 Gallons									
Lighting									
Interior Lighting									
	Fluorescent	3%			2033	\$52,200	10	\$5,600	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%									
Location : Offices, Storage And Basement									
	LED	97%			2041	* *			
Egress Lighting									
	Emergency, Service	60%			2041	* *	1		
	Emergency, Battery	10%			2033	\$33,600	10	\$4,900	
	Exit, Service	30%			2038	* *	1		
Exterior Lighting									
	LED	20%			2041	* *			
	No Component	80%							

Lightning Protection

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FIRE DEPARTMENT - 057
MAINTENANCE GARAGE LIC
Asset # : 2010

Electrical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Lightning Protection									
	Arresters/Cabling								
	Generic	100%			2061	* *	5	\$5,000	
Alarm									
	Security System								
	Generic	50%			2033	\$187,900	1	\$38,300	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Inside And Outside							
		Explanation : CCTV Surveillance Camera							
	Generic	50%			2033	\$187,900	1	\$38,300	
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Throughout The Building							
		Explanation : Intrusion System And Manual Door Alarm System							
Fire/Smoke Detection									
	Generic, Digital	100%			2033	\$516,400	1-3	\$126,300	
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	50%			2053	* *	1		
	Interruptible Gas/Dual Fuel	50%			2053	* *	1		
Conversion Equipment									
	Furnace	40%			2033	\$249,100	1	\$40,500	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Roof							
		Explanation : 6 Units							
	Furnace	5%			2041	* *	1	\$5,100	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Roof							
		Explanation : 1 Unit							
	Heat Pump Air Sourced	5%			2034		2	\$3,200	
	Steam Boiler	50%			2038	* *	1	\$101,500	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement Boiler Room							
		Explanation : 3 Units							
Distribution									
	Steam Piping/Pump	50%	0-2	\$40,100	2033	\$801,600			
		Leak Evident, Extent : Moderate, Area Affected : 2%							
		Location : Various Locations							
		Steam Traps Faulty, Extent : Moderate, Area Affected : 40%							
		Location : Various Locations							
	No Component	50%							

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
MAINTENANCE GARAGE LIC
Asset # : 2010

Mechanical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Terminal Devices								
	Convactor/Radiator	40%			2038	* *	1	\$26,500	
	Fan Coil Unit/Heat	10%			2028	\$496,400	1	\$6,600	
	No Component	50%							
	Controls								
	Electrical	100%			2028	\$1,113,100			
Air Conditioning									
	Energy Source								
	Electricity	100%			2041	* *	1		
	Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	5%			2041	* *	2	\$600	
		R-410a Refrigerant, Extent : Light, Area Affected : 100%							
		Location : Roof							
	Split Unit	10%			2038	* *			
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Roof							
		Explanation : Refrigerant R-410 A							
	Window/Wall Unit	15%			2028	\$113,800	1		
	No Component	70%							
	Terminal Devices								
	Fan Coil - 2 Pipe	10%			2038	* *	1	\$6,600	
	No Component	90%							
	Heat Rejection								
	Dry Cooler	10%			2033	\$27,600	2	\$14,300	
	No Component	90%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$114,300	
	Exhaust Fans								
	Interior	5%			2033	\$44,400	2	\$300	
	Roof	95%	0-2	\$18,500	2033	\$369,100	2	\$4,800	
		Not in Service, Extent : Moderate, Area Affected : 15%							
		Location : Roof							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2043	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2028	\$16,700	2		
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Non-Submersible	100%			2028	\$40,100	4	\$4,300	
	Backflow Preventer								
	Generic	100%			2038	* *	1	\$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
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
Plumbing									
	Fixtures								
	Generic	100%							
Fire Suppression									
	Standpipe								
	Generic	100%			2043	* *	1-5	\$107,200	
	Sprinkler								
	Generic	100%			2033	\$2,768,800	1-2	\$57,400	
	Chemical System								
	Dry	100%			2028	\$31,800	1-3	\$157,800	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Fuel Station								
	Explanation : Covers 40 Square Feet Fuel Station								

*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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292
Address : HAMMERHEAD AVE.
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRMAR6.000 / 14078 **Yr Built/Renovated** : 1893 / 2008
Area Sq Ft : 17,024 **Project Type** : FIRE DEPARTMENT
Date of Survey : 04-Jun-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 2023 **Lot** : 1 **BIN** : 3335122

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture	\$85,200	\$205,900
Electrical		\$63,500
Mechanical		\$292,900
Total	\$85,200	\$562,400
Importance Code B	\$85,200	\$562,400
Total	\$85,200	\$562,400

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$56,100			
Interior Architecture	\$56,500	\$900	\$100	\$1,000
Electrical	\$1,500	\$4,000	\$1,500	\$1,300
Mechanical	\$45,500	\$3,800	\$21,300	\$4,100
Total	\$159,600	\$8,700	\$22,900	\$6,400
Importance Code A	\$57,000	\$800	\$900	\$900
Importance Code B	\$79,900	\$7,200	\$22,000	\$5,500
Importance Code C	\$22,700	\$600		
Total	\$159,600	\$8,700	\$22,900	\$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
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	\$41,100	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%			2045	**	5	\$3,000	
Pre-Cast Concrete	7%	Now	\$1,200	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%			2048	**	5	\$100	
Steel	75%	Now	\$12,400	2057	**	5	\$1,800	
	Corrosion/Rusting, Extent : Moderate, Area Affected : 35%							
	Location : Exterior And Interior Mullions Throughout							
	Glazing Broken/Cracked, Extent : Severe, Area Affected : 5%							
	Location : Shops Area. 1st Floor							
	Caulking Deteriorated, Extent : Severe, Area Affected : 50%							
	Location : 1st And 2nd Story Windows							
Interior								
Floors								
Cast in Place Concrete	45%	Now	\$16,300	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	\$3,000	2035	**	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	
Quarry Tile	8%			2045	**	5	\$2,600	
Vinyl Tile	35%	0-2	\$10,300	2032	\$205,900	3	\$2,900	
	Worn/Eroded, Extent : Moderate, Area Affected : 30%							
	Location : 2nd Floor. Throughout Offices And Bunk Rooms							
Vinyl Tile 9" X 9"	5%			2027	\$85,200	3	\$400	
	Other Observation, Extent : Light, Area Affected : 100%							
	Location : 2nd Floor Areas And Safety Locker Room							
	Explanation : 9x9s Installed							

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. 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

Architecture		Current 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	2035	**	5	\$600	
	Diagonal Cracks, Extent : Moderate, Area Affected : 5%							
	Location : Toilet and shower Rooms							
Ceramic Tile	5%			2041	**	5	\$1,300	
Concrete Masonry Unit	40%	Now	\$18,600	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	\$2,800	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	\$300	2045	**	5	\$700	
	Water Penetration, Extent : Moderate, Area Affected : 5%							
	Location : Sout Facing Office. 2nd Floor							
AcousTileSusp.Lay-In	35%	Now	\$2,500	2045	**	5	\$3,800	
	Broken/Missing Elements, Extent : Light, Area Affected : 5%							
	Location : Various Locations Throughout							
Embossed Metal	5%			LIFE	**	5	\$500	
Exposed Struc: Concrete	55%			LIFE	**	5	\$1,900	
Site Pavements								
On-Site Walkways								
Cast in Place Concrete	100%			2037	**			
Parking/Driveway								
Asphalt	100%			2041	**			

Electrical		Current Repair		Future Replacement		Maintenance		Priority	
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost		
Under 600 Volts									
Service Equipment									
Fused Disc Sw	100%			2032	\$14,700	5	\$100		
Other Observation, Extent : N/A, Area Affected : 100%									
Location : 1st Floor									
Explanation : Main Service Disconnect Switch Rated At 1200 Amperes.									

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
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%			2037	* *	5	\$100	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Mechanical Room									
Explanation : 45 Kilovolt Amperes, 480 Volts Primary, 208/120 Volts Secondary									
Switchgear / Switchboard									
	Fused Disc Sw	100%			2032	\$63,500	5	\$100	
Raceway									
	Conduit	100%			2042	* *	1		
Panelboards									
	Fused Disc Sw	10%			2040	* *	5		
	Molded Case Bkrs	90%			2040	* *	5	\$400	
Wiring									
	Thermoplastic	100%			2042	* *	1		
Motor Controllers									
	Locally Mounted	100%			2037	* *	5	\$100	
Ground									
Grounding Devices									
	Not Accessible	100%							
Stand-by Power									
Transfer Switches									
	Automatic	100%			2045	* *	1	\$5,200	
Generators									
	Diesel	100%			2041	* *	1	\$6,600	
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Outside									
Explanation : Two Emergency Generators Rated At 500 Kilovolt Amperes And 125 Kilovolt Amperes.									
Batteries									
	Lead/Acid	100%			2026	\$2,400	5	\$600	
Fuel Storage									
	Main Tank	100%			2060	* *	5		
Other Observation, Extent : N/A, Area Affected : 100%									
Location : Outside									
Explanation : Two Main Tanks With 875 Gallons Rated Capacity And 240 Gallons Rated Capacity									
Lighting									
Interior Lighting									
	LED	100%			2040	* *			
Egress Lighting									
	Emergency, Service	50%			2037	* *	1		
	Exit, Service	50%			2032	\$3,600	1		
Exterior Lighting									
	HID	30%			2032	\$23,300	10		
	No Component	70%							
Alarm									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

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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	

Alarm

Security System

No Component

80%

Generic

20%

2037

* *

1

\$1,300

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Outside Perimeter**Explanation : CCTV Surveillance Cameras*

Mechanical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Heating

Energy Source

Natural Gas

100%

2042

* *

1

Conversion Equipment

Hot Water Boiler

100%

2037

* *

1

\$8,400

*Other Observation, Extent : N/A, Area Affected : 100%**Location : Boiler Room**Explanation : Six Tendon Of Caravan Boilers*

Distribution

Hot Wtr Piping/Pump

100%

2031

\$36,400

4

\$800

Terminal Devices

Air Handler

60%

2032

\$187,700

1

\$6,300

Convector/Radiator

25%

2037

* *

1

\$1,400

Unit Heater - Hot Water

15%

2032

\$14,800

Air Conditioning

Energy Source

Electricity

100%

2040

* *

1

Conversion Equipment

Interior Pkg Unit -

Cooling

40%

Now

\$31,600

2030

\$105,200

2

\$300

*Malfunctioning, Extent : Light, Area Affected : 10%**Location : 2nd Floor**R-22 Refrigerant, Extent : Light, Area Affected : 40%**Location : 2nd Floor*

Split Unit

20%

2037

* *

*Other Observation, Extent : Light, Area Affected : 30%**Location : 1st Floor Machine Shop**Explanation : 3 Units. R-410a*

Window/Wall Unit

20%

2027

\$12,600

1

No Component

20%

Terminal Devices

Fan Coil - 2 Pipe

20%

2037

* *

1

\$1,100

No Component

80%

Heat Rejection

Evaporative Condenser

20%

2040

* *

2

\$2,400

No Component

80%

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FIRE DEPARTMENT - 057
MARINE 6/ MARINE DIVISION/ SAFTEY BATTALION - BLDG. 292
Asset # : 14078

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation									
Distribution									
	Ductwork/Diffusers	60%			LIFE	**	2-5	\$5,700	
Other Observation, Extent : Moderate, Area Affected : 100%									
Location : 1st Floor Garage									
Explanation : Serves Garage Only									
	No Component	40%							
Exhaust Fans									
	Interior	50%			2032	\$36,900	2	\$300	
	Wall Unit	30%			2032	\$2,200	2	\$200	
	No Component	20%							
Plumbing									
H/C Water Piping									
	Brass/Copper	100%	Now	\$10,700	2042	**	1		
Leak Evident, Extent : Moderate, Area Affected : 10%									
Location : Battalion Marine Room									
Water Heater With Tanks									
	Electric	100%			2030	\$23,100	4		
Sanitary Piping									
	Cast Iron	100%			LIFE	**	1		
Storm Drain Piping									
	Cast Iron	100%			LIFE	**	1		
Fixtures									
	Generic	100%							
Obsolete Fixtures, Extent : Moderate, Area Affected : 100%									
Location : Kitchen And Bathrooms									
Fire Suppression									
Standpipe									
	Generic	100%			2052	**	1-5	\$8,900	
Sprinkler									
	Generic	100%			2042	**	1-2	\$4,800	
Fire Pump									
	Not Accessible	100%							
Chemical System									
	No Component	90%							
	Generic	10%			2027	\$1,600	1-3	\$7,400	
Dry System, Extent : Light, Area Affected : 10%									
Location : Kitchen Ansul System									

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : MARINE 9 RESPONSE UNIT
Address : FRONT AND WAVE STREETS @ WATERFRONT
Borough : STATEN ISLAND **Agency's Number** : N/A
Program / Asset # : FIRMAR9.000 / 14079 **Yr Built/Renovated** : 2011 /
Area Sq Ft : 8,000 **Project Type** : FIRE DEPARTMENT
Date of Survey : 15-Feb-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2
Block : 487 **Lot** : 100 **BIN** :

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$44,300			\$1,200
Interior Architecture	\$15,600	\$2,800	\$400	\$3,500
Electrical	\$800	\$700	\$10,600	\$800
Mechanical	\$11,100	\$2,000	\$3,200	\$2,600
Total	\$71,900	\$5,500	\$14,100	\$8,200
Importance Code A	\$44,300		\$100	\$1,200
Importance Code B	\$27,500	\$3,900	\$14,000	\$7,000
Importance Code C		\$1,700		
Total	\$71,900	\$5,500	\$14,100	\$8,200



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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%	0-2	\$8,400	2052	**	5	\$12,200	
	Caulking Deteriorated, Extent : Light, Area Affected : 10%								
	Location : Front Facade Near Entry Area								
	Metal Sect. OHD	5%			2045	**	5	\$3,400	
	Window Wall	30%	0-2	\$19,300	2052	**	5	\$12,200	
	Water Penetration, Extent : Light, Area Affected : 5%								
	Location : Front Lobby								
Windows									
	Aluminum	100%			2048	**	5	\$2,400	
Parapets									
	Metal Rail	90%	0-2	\$14,700	2045	**	5	\$7,900	
	Corrosion/Rusting, Extent : Light, Area Affected : 30%								
	Location : Roof Metal Fence								
	Metal: Cage/Fence	10%	0-2	\$300	2045	**	5	\$400	
	Corrosion/Rusting, Extent : Light, Area Affected : 20%								
	Location : Fence Post								
Roof									
	Green, Roof Inaccessible	100%			LIFE	**			
Interior									
Floors									
	Cast in Place Concrete	15%	Now	\$2,300	LIFE	**	5	\$3,100	
	Cracking/Crumbling, Extent : Light, Area Affected : 10%								
	Location : Garage								
	Ceramic Tile	25%			2041	**	5	\$2,400	
	Panel/Paver: Cer/Brk	30%			2048	**	5	\$6,400	
	Sheet Vinyl/Rubber	5%			2037	**	5	\$700	
	Vinyl Tile	25%			2037	**	3	\$1,200	
Interior Walls									
	Ceramic Tile	25%			2041	**	5	\$3,300	
	Gypsum Board	35%			LIFE	**	5	\$2,800	
	Wood	15%			LIFE	**	5	\$8,000	
	No Component	25%							
Ceilings									
	AcousTileSusp.Lay-In	85%	0-2	\$13,000	2045	**	5	\$4,000	
	Staining/Discoloring, Extent : Light, Area Affected : 20%								
	Location : Throughout First And Second Floor								
	Exposed Struc: Steel	15%			LIFE	**			
Site Enclosure									
	Fence/Gates								
	Chain Link	100%			2052	**			
Site Pavements									
	Parking/Driveway								
	Cast in Place Concrete	100%			2045	**			

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
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%			2052	* *	3		
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Outside						
			Explanation : 600 Amperes, 13.8 Kilovolt Amperes						
	Transformers								
	Dry Type	100%			2045	* *	3		
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Outside						
			Explanation : One 750 Kilovolt Ampere, 4,160/480/277 Volts, One 750 Kilovolt Ampere, 13.2 Kilovolt /480/277 Volts						
	Feeders								
	Cable	100%			2048	* *	1		
	Raceway								
	Conduit	100%			2052	* *	1		
Under 600 Volts									
	Service Equipment								
	Molded Case Bkrs	100%			2052	* *	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%			2052	* *	5	\$200	
			Other Observation, Extent : Light, Area Affected : 100%						
			Location : Electrical Room						
			Explanation : Vertical Section						
	Raceway								
	Conduit	100%			2052	* *	1		
	Panelboards								
	Fused Disc Sw	15%			2048	* *	5		
	Molded Case Bkrs	85%			2048	* *	5	\$200	
	Wiring								
	Thermoplastic	100%			2052	* *	1		
	Motor Controllers								
	Locally Mounted	20%			2045	* *	5		
	No Component	80%							
Ground									

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. 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

Electrical		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 Main Room							
		Explanation : Connected To Metal Water Pipe							
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 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%			2027	\$2,400	5	\$1,800	
	Fuel Storage								
	Main Tank	100%			2060	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Outside							
		Explanation : 800 Gallons Rated Capacity							
Lighting									
	Interior Lighting								
	Fluorescent	90%			2037	* *	10	\$5,200	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Throughout The Building							
		Explanation : T-8 Lamps, Equipped With Occupancy Sensors							
	Fluorescent	10%			2037	* *	10	\$600	
		Compact Fluorescent Light, Extent : Light, Area Affected : 100%							
		Location : Hallways							
	Egress Lighting								
	Emergency, Service	40%			2037	* *	1		
	Emergency, Battery	30%			2037	* *	10	\$500	
	Exit, LED	30%			2060	* *	1		
	Exterior Lighting								
	Fluorescent	10%			2037	* *	10	\$100	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Perimeter Of The Building							
		Explanation : 17 Compact Fluorescent Light Fixtures							
	Fluorescent	10%			2037	* *	10	\$100	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Outside							
		Explanation : 17 Fluorescent Fixtures With T-8 Lamps							
	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
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

Security System

No Component

80%

Generic

20%

2037

* *

1

\$600

*Other Observation, Extent : Light, Area Affected : 100%**Location : Inside And Outside**Explanation : 9 CCTV Surveillance Cameras*

Fire/Smoke Detection

No Component

80%

Generic, Digital

20%

2037

* *

1-3

\$1,000

*Other Observation, Extent : Light, Area Affected : 100%**Location : Throughout The Building**Explanation : Smoke Detectors, Heat Detector, Manual Pull Station, Alarm Bells And Horns*

Mechanical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Heating

Energy Source

Electricity

50%

2058

* *

1

Solar Panels

50%

2058

* *

2

\$200

Distribution

Ductwork/Diffusers

50%

LIFE

* *

2-5

\$1,800

No Component

50%

Terminal Devices

Air Handler

50%

2040

* *

1

\$1,900

Fan Coil Unit/Heat

30%

2040

* *

1

\$600

*Other Observation, Extent : Light, Area Affected : 20%**Location : 1st Floor Garage**Explanation : Electric Fan Coil Unit Heater.*

No Component

20%

Air Conditioning

Energy Source

Electricity

100%

2057

* *

1

Conversion Equipment

Ext Pkg Unit -

100%

2037

* *

2

\$400

Heating/Cooling

*Other Observation, Extent : Light, Area Affected : 100%**Location : Roof**Explanation : 3 Rooftop Package Units With Refrigerant R- 410a*

Distribution

Ductwork/Diffusers

70%

Now

\$9,400

LIFE

* *

2

\$5,700

*Controller Not Working, Extent : Moderate, Area Affected : 20%**Location : Throughout*

No Component

30%

Note : 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
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
Air Conditioning									
	Terminal Devices								
	Air Handler/Dir Expansion	100%			2040	* *	1		
	Heat Rejection								
	Evaporative Condenser	100%			2040	* *	2	\$4,400	
Ventilation									
	Distribution								
	Ductwork/Diffusers	100%			LIFE	* *	2-5	\$3,500	
	Exhaust Fans								
	Roof	15%			2040	* *	2		
	No Component	85%							
	Other Observation, Extent : N/A, Area Affected : 0%								
	Location : Roof								
	Explanation : Hvac System								
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2058	* *	1		
	Water Heater With Tanks								
	Electric	100%			2031	\$23,100	4		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : First Floor Mechanical Room								
	Explanation : 2 Units. Hot Water Solar Panels Are Used To Heat The Water								
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Backflow Preventer								
	Generic	100%			2040	* *	1	\$400	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Sprinkler								
	Generic	100%			2062	* *	1-2	\$1,800	
	Chemical System								
	No Component	90%							
	Generic	10%			2031	\$1,600	1-3	\$8,100	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : RESCUE 1
Address : 530 WEST 43rd STREET BTWN 10TH AVE. - 11TH AVE.
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSRES.001 / 13227 **Yr Built/Renovated** : 1988 /
Area Sq Ft : 6,700 **Project Type** : FIRE DEPARTMENT
Date of Survey : 29-Apr-2021 **Landmark Status** : NONE
Areas Surveyed : Roof, Floors 1,2,3
Block : 1071 **Lot** : 49 **BIN** : 1070109

CAPITAL**Total**

Importance Code

Total

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$72,800			
Interior Architecture	\$23,600		\$800	\$400
Electrical	\$3,100	\$500	\$700	\$500
Mechanical	\$50,600	\$2,000	\$8,100	\$2,700
Elevators/Escalators	\$3,900	\$3,900	\$3,900	\$3,900
Total	\$154,000	\$6,400	\$13,500	\$7,500
Importance Code A	\$114,500	\$300	\$400	\$300
Importance Code B	\$30,400	\$6,100	\$13,000	\$7,200
Importance Code C	\$9,100			
Total	\$154,000	\$6,400	\$13,500	\$7,500



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

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+	\$29,200	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%	4+	\$3,800	2045	**	5	\$3,400	
Other Observation, Extent : Moderate, Area Affected : 5%								
Location : Overhead Doors								
Explanation : Air Infiltration								
Windows								
Aluminum	100%	Now	\$1,400	2048	**	5	\$300	
Crtw/Balnc Not Funct, Extent : Severe, Area Affected : 5%								
Location : Bunk Rooms								
Parapets								
Masonry: Brick	80%			LIFE	**	5	\$1,600	
Masonry: Granite	15%			LIFE	**	5	\$400	
Metal Cornice	5%			2060	**	10	\$300	
Roof								
IRMA/Protected Membrane	95%	Now	\$30,800	2037	**			
Insul Miss/Displaced, Extent : Severe, Area Affected : 10%								
Location : Throughout								
Water Penetration, Extent : Severe, Area Affected : 10%								
Location : 4th Floor Locker Rooms								
Other Observation, Extent : Severe, Area Affected : 25%								
Location : Throughout								
Explanation : Filter Sheet Below Balast Ripped And Damaged								
Skylight, Plastic	5%	Now	\$7,500	2045	**	1		
Water Penetration, Extent : Severe, Area Affected : 5%								
Location : Over Kitchen								
Other Observation, Extent : Severe, Area Affected : 10%								
Location : Skylight								
Explanation : Caulking Deteriorated								
Soffits								
Granite Panels	100%			LIFE	**	5		
Interior								
Floors								
Cast in Place Concrete	35%			LIFE	**	5	\$7,700	
Ceramic Tile	15%			2045	**	5	\$1,500	
Recent Replace Evident, Extent : N/A, Area Affected : 100%								
Location : Bathrooms								
Quarry Tile	10%			2045	**	5	\$1,500	
Sheet Vinyl/Rubber	10%			2037	**	5	\$1,500	
Vinyl Tile	30%			2037	**	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**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	

Interior**Interior Walls****Ceramic Tile**

15%

2045

* *

5

\$2,000

*Recent Replace Evident, Extent : N/A, Area Affected : 100%**Location : Bathrooms***Concrete Masonry Unit**

50%

LIFE

* *

5

\$2,600

SGFT/Glazed Masonry

35%

4+

\$8,100

LIFE

* *

*Cracking/Crumbling, Extent : Light, Area Affected : 20%**Location : Throughout***Ceilings****AcousTileSusp.Lay-In**

25%

2045

* *

5

\$2,500

Gypsum Board

5%

LIFE

* *

5

\$600

Metal Panel

70%

Now

\$11,400

LIFE

* *

5

\$8,800

*Other Observation, Extent : Severe, Area Affected : 80%**Location : Bunk Rooms**Explanation : Paint Peeling***Site Pavements****Public Sidewalk****Cast in Place Concrete**

100%

2045

* *

Electrical

System Component Type		% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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Under 600 Volts**Service Equipment****Molded Case Bkrs**

100%

2042

* *

5

\$200

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement Electrical Room**Explanation : One 600 Ampere Main Disconnect Switch***Switchgear / Switchboard****Molded Case Bkrs**

100%

2042

* *

5

\$200

Raceway**Conduit**

100%

2042

* *

1

Panelboards**Fused Disc Sw**

5%

2040

* *

5

Molded Case Bkrs

95%

2040

* *

5

\$200

Wiring**Thermoplastic**

100%

2042

* *

1

Motor Controllers**Locally Mounted**

100%

2037

* *

5

Ground**Grounding Devices****Generic**

100%

LIFE

* *

5

\$100

Stand-by Power**Transfer Switches****Automatic**

100%

2037

* *

1

\$2,100

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**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

Stand-by Power

Generators

Diesel

100%

2035

* *

1

\$2,600

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement Generator Room**Explanation : One 80 Kilowatts*

Batteries

Lead/Acid

100%

2025

\$2,400

5

\$200

Fuel Storage

Day Tank

50%

2040

* *

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement Generator Room**Explanation : One 60 Gallons*

Main Tank

50%

2047

* *

5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside**Explanation : One 550 Gallons*

Lighting

Interior Lighting

LED

100%

2040

* *

Egress Lighting

Emergency, Service

50%

2040

* *

1

No Component

50%

Exterior Lighting

LED

20%

2040

* *

No Component

80%

Mechanical

System Component Type		% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
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Heating

Energy Source

Natural Gas

100%

2042

* *

1

Conversion Equipment

Hot Water Boiler

100%

Now

\$41,700

2052

* *

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%

0-2

\$700

2040

* *

4

\$300

*Corroded, Extent : Moderate, Area Affected : 5%**Location : Basement*

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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
Heating									
	Terminal Devices								
	Convector/Radiator	75%			2037	* *	1	\$1,600	
	Unit Heater - Steam	25%			2037	* *	4	\$200	
Air Conditioning									
	Energy Source								
	Electricity	100%			2054	* *	1		
	Conversion Equipment								
	Exterior Pkg Unit - Cooling	30%			2037	* *	2	\$100	
	Split Unit	10%			2037	* *			
	Window/Wall Unit	10%			2027	\$2,500	1		
	No Component	50%							
	Terminal Devices								
	Air Handler/Cool/Ht	90%	0-2	\$2,900	2037	* *	1	\$3,400	
		Corroded, Extent : Moderate, Area Affected : 5%							
		Location : Steam Piping Feeding The Air Handler Unit Corroded							
	No Component	10%							
	Heat Rejection								
	Air Cooled Condenser Unit	90%			2037	* *	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	\$700	2032	\$14,500	2	\$100	
		Malfunctioning, Extent : Moderate, Area Affected : 100%							
		Location : Kitchen Exhaust							
		On Extended Life, Extent : Moderate, Area Affected : 15%							
		Location : Kitchen							
	No Component	50%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2042	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2030	\$16,700	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : One 75 Gallon Unit							
	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**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
Plumbing									
	Storm Drain Piping								
	Cast Iron	100%	0-2	\$2,300	LIFE	* *	1		
		Blockage /Clogged, Extent : Moderate, Area Affected : 20%							
		Location : Blocked, Clogged Floor Drian At 1st Floor							
	Sump Pump(s)								
	Non-Submersible	100%			2032	\$1,300	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%			2042	* *	1-2	\$400	
	Chemical System								
	Dry	10%	Now	\$600	2031	\$1,600	1-3	\$6,700	
		Other Observation, Extent : Severe, Area Affected : 100%							
		Location : Kitchen							
		Explanation : PCL-300, Needs Replacement							
	No Component	80%							
	Generic	10%			2027	\$1,600	1-3	\$7,400	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Throughout							
		Explanation : Fire Extinguishers							

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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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture		\$68,500
Interior Architecture		\$54,200
Total		\$122,700
Importance Code A		\$68,500
Importance Code B		\$54,200
Total		\$122,700

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$12,400	\$32,500	\$600	
Interior Architecture	\$51,500	\$400		
Electrical	\$4,400	\$20,200	\$2,000	\$1,700
Mechanical	\$7,400	\$16,700	\$9,600	\$7,500
Total	\$75,700	\$69,800	\$12,300	\$9,200
Importance Code A	\$13,300	\$33,500	\$1,600	\$1,000
Importance Code B	\$61,000	\$36,400	\$10,700	\$8,300
Importance Code C	\$1,300			
Total	\$75,700	\$69,800	\$12,300	\$9,200



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057

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	\$3,400		
Fiberglass Panel	15%			2040	**	5	\$19,300		
Masonry: Brick	30%			LIFE	**	5	\$10,300		
Metal/Glass Curt Wall	3%			LIFE	**	5	\$1,900		
Metal Panel	40%			2051	**	5-10	\$94,200		
Metal Coiling Doors	10%			2044	**	5	\$10,700		
Windows									
Aluminum	100%			2047	**	5	\$1,200		
Parapets									
Cast in Place Concrete	10%			LIFE	**	5	\$2,500		
Metal Panel	5%			2051	**	5	\$500		
Metal Rail	10%			2044	**	5-10	\$4,400		
No Component	75%								
Roof									
IRMA/Protected Membrane	15%			2036	**	10	\$3,900		
Metal, Corrugated	60%	Now	\$2,700	2044	**	1			
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+	\$41,200	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+	\$8,500	2059	**	5	\$2,700		
Worn/Eroded, Extent : Light, Area Affected : 35%									
Location : Corridors Throughout, Steps, Main Office 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**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		**			
Ceramic Tile	5%			2040		**	5	\$2,700	
Concrete Masonry Unit	15%			LIFE		**	5	\$3,200	
Fiberglass Panel	30%			LIFE		**			
Glass: Single Pane	5%			LIFE		**	5	\$2,000	
Gypsum Board	20%			LIFE		**	5	\$6,400	
Masonry: Brick	5%			LIFE		**			
Steel Plate	5%			LIFE		**	5	\$1,600	
Wood	5%			LIFE		**	5	\$10,700	

Ceilings

AcousTileSusp.Lay-In	10%			2044		**	5	\$2,800	
Exposed Struc: Steel	70%			LIFE		**			

*Other Observation, Extent : N/A, Area Affected : 65%**Location : Throughout**Explanation : This Material Is Actually Metal Decking.*

Gypsum Board	5%			LIFE		**	5	\$1,800	
Metal Panel	15%			LIFE		**	5	\$5,300	

Site Enclosure**Fence/Gates**

Chain Link	100%			2051		**			
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Site Pavements**Public Sidewalk**

Cast in Place Concrete	100%			2044		**			
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On-Site Walkways

Cast in Place Concrete	100%			2044		**			
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Parking/Driveway

Asphalt	100%			2040		**			
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Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% 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	
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Electrical Room**Explanation : One 800 Amperes.***Switchgear / Switchboard**

Molded Case Bkrs	100%			2051		**	5	\$500	
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Raceway

Conduit	100%			2051		**	1		
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Panelboards

Fused Disc Sw	5%			2047		**	5		
Molded Case Bkrs	95%			2047		**	5	\$500	

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.**Estimates are rounded to the nearest hundred dollars.**Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.**** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057**RESCUE 3****Asset # : 14463**

Electrical		Current Repair		Future 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	\$300	
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	\$2,400	5	\$700	
	Fuel Storage								
	Day Tank	50%			2047	**	5		
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Outside								
	Explanation : One 100 Gallons								
	Main Tank	50%			2059	**	5		
	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									

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057**RESCUE 3****Asset # : 14463**

Electrical		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

\$600

No Component

35%

Terminal Devices

Convactor/Radiator

30%

2048

* *

1

\$1,900

Unit Heater - Steam

40%

2039

* *

4

\$700

No Component

30%

Air Conditioning

Energy Source

Electricity

100%

2047

* *

1

Conversion Equipment

Ext Pkg Unit -

50%

2036

* *

2

\$600

Heating/Cooling

*Other Observation, Extent : N/A, Area Affected : 50%**Location : Roof**Explanation : 2 Package Units. Refrigerant R-410a*

No Component

50%

Ventilation

Distribution

Ductwork/Diffusers

100%

LIFE

* *

2-5

\$10,900

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.*

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

*** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057**RESCUE 3****Asset # : 14463**

Mechanical		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 With Tanks								
	Gas Fired	100%			2029	\$16,700	2		
	Other Observation, Extent : N/A, 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	\$15,900	1-3	\$83,300	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : SPECIAL OPERATIONS COMMAND
Address : 750 MAIN ST., ROOSEVELT ISLAND
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIRSSPE.000 / 13229 **Yr Built/Renovated** : 1976 /
Area Sq Ft : 6,656 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-Oct-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Floors 1,2
Block : 1373 **Lot** : 1 **BIN** : 1083213

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$69,700	
Interior Architecture		\$80,600
Electrical		\$163,000
Mechanical		\$253,600
Site Pavements	\$1,113,300	
Total	\$1,183,100	\$497,200
Importance Code A	\$69,700	
Importance Code B	\$167,000	\$497,200
Importance Code C	\$946,400	
Total	\$1,183,100	\$497,200

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$2,200	\$1,100	\$2,400	
Interior Architecture	\$78,200		\$400	\$400
Electrical	\$3,100	\$500	\$500	\$600
Mechanical	\$4,600	\$200	\$10,300	\$400
Site Enclosure	\$8,000			
Total	\$96,000	\$1,800	\$13,500	\$1,300
Importance Code A	\$2,200	\$1,100	\$2,400	
Importance Code B	\$56,600	\$700	\$10,800	\$1,300
Importance Code C	\$37,300		\$400	
Total	\$96,000	\$1,800	\$13,500	\$1,300



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
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	\$69,700	LIFE	**	5	\$4,200	1
	Broken/Missing Elements, Extent : Severe, Area Affected : 20%								
	Location : Throughout								
	Cracking/Crumbling, Extent : Severe, Area Affected : 30%								
	Location : Throughout								
	Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%								
	Location : Throughout								
	Metal Panel	20%			2054	**	5-10	\$13,100	
	Wood Overhead Doors	10%			2047	**	5	\$4,800	
Windows									
	Aluminum	100%			2056	**	5	\$2,200	
Parapets									
	Metal Panel	100%			2054	**	5	\$8,400	
Roof									
	Modified Bitumen	100%			2042	**	10	\$18,700	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Roof								
	Explanation : Surveyor Unable To Access Roof.								
Soffits									
	Cast in Place Concrete	100%			LIFE	**	5	\$4,300	
Interior									
Floors									
	Cast in Place Concrete	60%	Now	\$9,900	LIFE	**	5	\$13,100	
	Water Penetration, Extent : Moderate, Area Affected : 20%								
	Location : Throughout Basement, Ground Water Penetration								
	Other Observation, Extent : Severe, Area Affected : 100%								
	Location : Basement								
	Explanation : Flooding 2 Feet High Of Water, Measured From Basement Floor								
	Ceramic Tile	5%	Now	\$1,400	2043	**	5	\$200	
	Cracking/Crumbling, Extent : Light, Area Affected : 10%								
	Location : Toilets								
	Quarry Tile	5%	Now	\$1,800	2047	**	5	\$400	
	Cracking/Crumbling, Extent : Light, Area Affected : 10%								
	Location : Kitchen								
	Vinyl Tile	30%	Now	\$16,100	2034	\$80,600	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								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. 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

Interior Walls

Cast in Place Concrete 10% Now \$32,100 LIFE * *

Water Penetration, Extent : Severe, Area Affected : 100%
Location : Throughout Basement, Ground Water Penetration

Ceramic Tile	5%		2037	* *	5	\$700
Concrete Masonry Unit	50%		LIFE	* *	5	\$5,800
Plywood/Hardboard	5%		LIFE	* *	10	\$100
SGFT/Glazed Masonry	30%		LIFE	* *	10	\$2,200

Ceilings

AcousTileConcealSpLn 30% Now \$2,300 2039 * *

Cracking/Crumbling, Extent : Light, Area Affected : 10%
Location : Throughout

Exposed Struc: Concrete	20%		LIFE	* *	5-10	\$2,500
Gypsum Board	10%		LIFE	* *	5-10	\$3,400
Metal Panel	40%		LIFE	* *	5	\$10,000

Site Enclosure

Retaining Walls

Cast in Place Concrete 100% 0-2 \$8,000 2069 * *

Cracking/Crumbling, Extent : Moderate, Area Affected : 20%
Location : Concrete Curb

Site Pavements

Public Sidewalk

Pavers/Stone 100% Now \$167,000 2047 * *

Broken/Missing Elements, Extent : Severe, Area Affected : 40%
Location : Front And Sides Of Building

On-Site Walkways

Pavers/Stone 100% Now \$63,600 2047 * *

Broken/Missing Elements, Extent : Severe, Area Affected : 50%
Location : Right Side Area

Parking/Driveway

Pavers/Stone 100% Now \$882,800 2037 * *

Broken/Missing Elements, Extent : Light, Area Affected : 20%
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% 2034 \$14,700 5

Other Observation, Extent : N/A, Area Affected : 100%
Location : Basement Electrical Room
Explanation : One 400 Ampere Service 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
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
Under 600 Volts									
	Transformers								
	Dry Type	100%			2032	\$26,100	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement Electrical Room							
		Explanation : One 225 Kilovolt-ampere Unit							
	Switchgear / Switchboard								
	Fused Disc Sw	100%			2034	\$63,500	5		
	Raceway								
	Conduit	100%			2034	\$36,000	1		
	Panelboards								
	Molded Case Bkrs	100%			2033	\$48,500	5	\$200	
	Wiring								
	Thermoplastic	100%			2034	\$32,500	1		
	Motor Controllers								
	Locally Mounted	100%			2032	\$17,800	5		
Ground									
	Grounding Devices								
	Generic	100%			LIFE	* *	5	\$200	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2032	\$12,900	1	\$2,100	
	Generators								
	Diesel	100%			2030	\$99,500	1	\$2,600	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement, Generator Room							
		Explanation : 225 Kilovolt-ampere Unit.							
	Batteries								
	Lead/Acid	100%			2025	\$2,400	5	\$200	
	Fuel Storage								
	Day Tank	10%			2033	\$2,500	5		
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Generator Room							
		Explanation : 20 Gallon Tank							
	No Component	90%							
		Other Observation, Extent : N/A, Area Affected : 0%							
		Location :							
		Explanation : Primary Function Of Tanks Is Fuel For Fire Trucks.							
Lighting									
	Interior Lighting								
	LED	100%			2039	* *			
	Egress Lighting								
	Emergency, Battery	50%			2039	* *	10	\$800	
	Exit, Service	50%			2029	\$1,400	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
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									
	Terminal Devices								
	Fan Coil Unit/Heat	100%			2034	\$161,200	1	\$2,200	
				Other Observation, Extent : Light, Area Affected : 75%					
				Location : 1st And 2nd Floor					
				Explanation : 10 Hung Units					
Air Conditioning									
	Energy Source								
	Electricity	100%			2042	* *	1		
	Conversion Equipment								
	Ext Pkg Unit - Heating/Cooling	10%			2034	\$10,900	2		
	Split Unit	20%			2034	\$30,900			
	Window/Wall Unit	40%			2027	\$9,900	1		
				Other Observation, Extent : Light, Area Affected : 100%					
				Location : Mezzanine Floors					
				Explanation : 2 Window Units					
	No Component	30%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	30%	0-2	\$4,300	LIFE	* *	2-5	\$1,100	
				Other Observation, Extent : Light, Area Affected : 100%					
				Location : Basement Mechanical Room					
				Explanation : Trane Ceiling Cabinet Fan					
	No Component	70%							
	Exhaust Fans								
	Roof	100%			2039	* *	2	\$200	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2044	* *	1		
	Water Heater With Tanks								
	Electric	100%			2029	\$92,400	4		
				Other Observation, Extent : Light, Area Affected : 100%					
				Location : Basement					
				Explanation : Two 100 Gallons Each					
	Sanitary Piping								
	Cast Iron	100%			LIFE	* *	1		
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
				Blockage /Clogged, Extent : Severe, Area Affected : 20%					
				Location : Basement. Water Backing Up From The Drains Every Time When Raining					
	Sump Pump(s)								
	Submersible	100%			2028	\$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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 14-Sep-2022 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 957 **Lot** : 23 **BIN** : 3020193

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$71,800	
Interior Architecture	\$51,800	
Electrical		\$63,500
Mechanical		\$53,000
Total	\$123,600	\$116,500
Importance Code A	\$71,800	\$63,500
Importance Code B		\$53,000
Importance Code C	\$51,800	
Total	\$123,600	\$116,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$22,400		\$4,600	
Interior Architecture	\$75,700		\$800	\$200
Electrical	\$500	\$200	\$300	\$200
Mechanical	\$2,400	\$2,500	\$1,900	\$2,500
Total	\$100,900	\$2,700	\$7,600	\$2,900
Importance Code A	\$22,900	\$600	\$5,100	\$600
Importance Code B	\$49,300	\$2,100	\$2,400	\$2,300
Importance Code C	\$28,600			
Total	\$100,900	\$2,700	\$7,600	\$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**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%	4+	\$71,800	LIFE	**	5	\$17,900	
	Paint Peeling, Extent : Light, Area Affected : 50%								
	Location : East And West Facades								
	Masonry: Granite	2%			LIFE	**	5	\$700	
	Masonry: Limestone	10%			LIFE	**	5	\$3,400	
	Metal Panel	2%			2054	**	5-10	\$3,100	
	Wood Overhead Doors	8%			2047	**	5	\$9,200	
Windows									
	Aluminum	90%	Now	\$2,400	2050	**	5	\$300	
	Crwt/Balnc Not Funct, Extent : Moderate, Area Affected : 25%								
	Location : Throughout								
	Wood	10%	Now	\$2,200	2059	**	5	\$300	
	Dry Rot/Decay, Extent : Moderate, Area Affected : 25%								
	Location : North Facade								
Parapets									
	Cast Stone/Terra Cotta	20%			LIFE	**	5-10	\$9,800	
	Masonry: Brick	80%	Now	\$8,500	LIFE	**	5	\$1,400	
	Vertical Cracks, Extent : Moderate, Area Affected : 10%								
	Location : Throughout Upper Roof								
Roof									
	Built-Up (BUR)	90%			2039	**	10	\$4,900	
	Skylight, Metal/Glass	10%			2054	**	10	\$1,800	
Interior									
Floors									
	Cast in Place Concrete	45%	Now	\$5,600	LIFE	**	5	\$7,400	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : Apparatus Floor At Trench Drain								
	Quarry Tile	11%	Now	\$3,000	2047	**	5	\$600	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
	Location : Kitchen								
	Vinyl Tile	22%	Now	\$900	2039	**	3	\$600	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
	Location : Door Thresholds								
	Wood	22%	Now	\$9,600	2062	**	5	\$1,500	
	Worn/Eroded, Extent : Moderate, Area Affected : 50%								
	Location : 3rd 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**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 \$25,900 2043 * * 5 \$2,400

*Broken/Missing Elements, Extent : Severe, Area Affected : 10%**Location : Apparatus Room And Staircase Throughout***Masonry: Brick**

22% Now \$51,800 LIFE * *

*Paint Peeling, Extent : Light, Area Affected : 20%**Location : Throughout Basement**Water Penetration, Extent : Moderate, Area Affected : 10%**Location : Basement***Plaster**

40% LIFE * * 5-10 \$4,300

Ceilings**AcousTileSusp.Lay-In**

20% 2047 * * 5 \$1,600

Embossed Metal

20% LIFE * * 5 \$1,500

Exposed Struc: Steel

25% Now \$24,100 LIFE * *

*Water Penetration, Extent : Moderate, Area Affected : 15%**Location : Basement Below Sidewalk***Metal Panel**

5% LIFE * * 5 \$1,000

Plaster

30% LIFE * * 5-10 \$4,200

*Paint Peeling, Extent : Moderate, Area Affected : 5%**Location : 3rd Floor Rear Wall***Site Pavements****Public Sidewalk****Cast in Place Concrete**

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% 2034 \$63,500 5 \$200

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 200 Ampere Main Disconnect Switch***Raceway****Conduit**

95% 2034 \$34,200 1

Conduit

5% 2054 * * 1

Panelboards**Molded Case Bkrs**

100% 2042 * * 5 \$200

Wiring**Thermoplastic**

100% 2044 * * 1

Motor Controllers**Locally Mounted**

100% 2032 \$17,800 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**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

10%
2034 \$4,800 10 \$500
Other Observation, Extent : Light, Area Affected : 100%
Location : Throughout The Building
Explanation : T-8 Lamps

LED

90% 2042 * *

Egress Lighting

Emergency, Battery
Exit, Battery

50% 2042 * * 10 \$700
50% 2029 \$3,900 10 \$200

Exterior Lighting

LED
No Component

20% 2042 * *
80%

Alarm

Security System
Generic

100% 2042 * * 1 \$2,100
Other Observation, Extent : Moderate, Area Affected : 100%
Location : Outdoor
Explanation : Cameras Security 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% 2054 * * 1

Conversion Equipment

Steam Boiler

100% 2039 * * 1 \$5,700
Other Observation, Extent : Light, Area Affected : 100%
Location : Boiler Room
Explanation : One Unit

Distribution

Steam Piping/Pump

100% 2044 * *

Terminal Devices

Convactor/Radiator

100% 2032 \$45,600 1 \$1,800

Air Conditioning

Energy Source
Electricity

100% 2050 * * 1

Conversion Equipment

Split Unit
Window/Wall Unit
No Component

40% 2034 \$53,000
40% 2029 \$8,400 1
20%

Ventilation**Distribution**

Ductwork/Diffusers

10% LIFE * * 2-5 \$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

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
Ventilation									
	Exhaust Fans								
	Roof	10%			2039	* *	2		
	No Component	90%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2044	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2032	\$16,700	2		
	Other Observation, Extent : Light, Area Affected : 100%								
	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%			2025	\$200	4	\$200	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Dry	10%	Now	\$600	2034	\$1,600	1-3	\$6,700	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Kitchen								
	Explanation : Model Rg-2.5g								
	No Component	80%							
	Other Observation, Extent : N/A, Area Affected : 0%								
	Location : Kitchen								
	Explanation : Kitchen Hood Covers 15 Square Feet (5x3).								
	Generic	10%			2032	\$1,600	1-3	\$7,400	
	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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 03-Feb-2023 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 610 **Lot** : 51 **BIN** : 1010686

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Interior Architecture		\$86,100
Electrical		\$57,300
Total		\$143,400
Importance Code B		\$143,400
Total		\$143,400

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$100,100		\$2,500	
Interior Architecture	\$50,400		\$2,500	\$3,000
Electrical	\$6,900	\$500	\$500	\$600
Mechanical	\$6,000	\$1,000	\$1,100	\$1,200
Site Enclosure	\$800			
Total	\$164,200	\$1,500	\$6,600	\$4,800
Importance Code A	\$100,900	\$700	\$3,200	\$700
Importance Code B	\$34,500	\$800	\$3,400	\$2,300
Importance Code C	\$28,900			\$1,800
Total	\$164,200	\$1,500	\$6,600	\$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**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	* *	10	\$17,700	
	Cast Stone/Terra Cotta	15%			LIFE	* *	5	\$76,000	
	Masonry: Brick	70%			LIFE	* *	5	\$45,400	
	Masonry: Granite	5%			LIFE	* *	5	\$2,400	
	Metal Sect. OHD	5%			2047	* *	5	\$5,100	
Windows									
	Wood	100%			2050	* *	5	\$16,300	
Parapets									
	Cast Stone/Terra Cotta	20%			LIFE	* *	5-10	\$8,000	
	Masonry: Brick	80%			LIFE	* *	5-10	\$7,700	
Roof									
	Asphalt Shingle	10%			2043	* *	10	\$100	
	Modified Bitumen	90%			2039	* *	10	\$5,700	
Interior									
Floors									
	Cast in Place Concrete	23%			LIFE	* *	5	\$10,700	
	Ceramic Tile	15%			2043	* *	5	\$1,600	
	Quarry Tile	5%			2039	* *	5	\$800	
	Terrazzo	2%			LIFE	* *	5	\$300	
	Vinyl Tile	30%			2034	\$86,100	3	\$1,600	
	Wood	25%			2062	* *	5	\$5,000	
Interior Walls									
	Ceramic Tile	25%			2043	* *	5	\$3,700	
	Gypsum Board	25%	4+	\$1,000	LIFE	* *	5	\$2,200	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 2%								
	Location : 2nd Floor Office								
	Paint Peeling, Extent : Moderate, Area Affected : 10%								
	Location : 2nd Floor								
	Masonry: Brick	48%	Now	\$26,100	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%	4+	\$1,000	LIFE	* *			
	Broken/Missing Elements, Extent : Moderate, Area Affected : 2%								
	Location : 2nd Floor Bathroom Panel								

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. 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	

Interior

Ceilings

AcousTileSusp.Lay-In	10%			2039	**	5	\$1,100	
Embossed Metal	25%	4+	\$3,900	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	**	10	\$5,300	
Exposed Struc: Wood	30%			LIFE	**	10	\$4,800	
Gypsum Board	10%			LIFE	**	5-10	\$3,700	

Site Enclosure

Free Standing Walls

Masonry: Brick	100%	4+	\$800	2044	**			
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Cracking/Crumbling, Extent : Moderate, Area Affected : 20%
Location : Cement Stucco Finish Located At Rear Yard Area

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%			2047	**			
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On-Site Walkways

Cast in Place Concrete	100%			2039	**			
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Parking/Driveway

Cast in Place Concrete	100%			2047	**			
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Electrical		Current Repair			Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%			2060	**	5		
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Other Observation, Extent : Light, Area Affected : 100%
Location : Basement Rear.
Explanation : The Service Equipment Consists Of One 200 Ampere Switch.

Raceway

Conduit	30%			2034		\$10,800	1	
Conduit	70%			2054	**		1	

Panelboards

Molded Case Bkrs	100%			2033		\$48,500	5	\$200
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Wiring

Thermoplastic	30%			2044	**		1	
Thermoplastic	70%			2054	**		1	

Motor Controllers

Locally Mounted	100%			2039	**		5	
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Ground

Grounding Devices

Generic	100%			LIFE	**		5	\$200
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Stand-by Power

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057**SQUAD 18****Asset # : 14075**

Electrical		Current Repair		Future Replacement		Maintenance		
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%

2047

* *

1

\$2,200

Generators

Diesel

100%

2047

* *

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%

2029

\$2,400

5

\$300

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : The Batteries Are In Good Condition.*

Fuel Storage

Day Tank

100%

2050

* *

5

*Other Observation, Extent : Moderate, Area Affected : 100%**Location : Basement**Explanation : 25 Gallons Capacity***Lighting**

Interior Lighting

Fluorescent

95%

2029

\$57,300

10

\$6,200

*T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%**Location : 1st, 2nd, 3rd Floors And Basement*

LED

5%

2042

* *

Exterior Lighting

LED

20%

2042

* *

No Component

80%

Mechanical

Mechanical		Current Repair		Future 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

Steam Boiler

100%

2047

* *

1

\$7,000

*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement Mechanical Equipment Room**Explanation : 1 Boiler*

Distribution

Steam Piping/Pump

100%

2044

* *

Terminal Devices

Convactor/Radiator

95%

2039

* *

1

\$2,200

*Other Observation, Extent : Light, Area Affected : 100%**Location : 1st Through 3rd Floors**Explanation : One Pipe Steam System*

Unit Heater - Steam

5%

2039

* *

4

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.**Estimates are rounded to the nearest hundred dollars.**Maintenance \$ are aggregated over a ten-year period. 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
Air Conditioning									
	Energy Source								
	Electricity	50%			2050	* *	1		
	No Component	50%							
Conversion Equipment									
	Window/Wall Unit	55%	0-2	\$2,900	2033	\$14,500	1		
		Other Observation, Extent : Light, Area Affected : 30%							
		Location : 1st, 2nd And 3rd Floors							
		Explanation : 30 Percent Failure Of Units							
	No Component	45%							
Ventilation									
	Exhaust Fans								
	Roof	100%			2039	* *	2	\$200	
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2044	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%			2032	\$16,700	2		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Basement							
		Explanation : One 75 Gallon Tank							
	Sanitary Piping								
	Cast Iron	100%	4+	\$1,700	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	2034	\$1,400	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%			2029	\$300	1-3	\$1,900	
		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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : SQUAD 252
Address : 617 CENTRAL AVENUE @ DECATUR ST
Borough : BROOKLYN **Agency's Number** : N/A
Program / Asset # : FIRSECO.252 / 13142 **Yr Built/Renovated** : 1899 / 2012
Area Sq Ft : 4,488 **Project Type** : FIRE DEPARTMENT
Date of Survey : 05-Nov-2021 **Landmark Status** : EXTERIOR LANDMARK
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 3429 **Lot** : 3 **BIN** : 3079480

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$52,500	
Electrical		\$80,300
Site Enclosure		\$51,000
Total	\$52,500	\$131,400
Importance Code A	\$52,500	
Importance Code B		\$80,300
Importance Code C		\$51,000
Total	\$52,500	\$131,400

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$33,000	\$1,400		\$3,900
Interior Architecture	\$66,200	\$600	\$300	\$600
Electrical	\$300	\$300	\$3,000	\$4,100
Mechanical	\$12,600	\$6,100	\$6,400	\$23,500
Site Enclosure	\$5,100			
Site Pavements	\$42,600			
Total	\$159,800	\$8,300	\$9,700	\$32,100
Importance Code A	\$33,500	\$1,800	\$400	\$4,400
Importance Code B	\$73,100	\$6,500	\$9,100	\$27,700
Importance Code C	\$53,300		\$100	
Total	\$159,800	\$8,300	\$9,700	\$32,100



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057**SQUAD 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%			2053	* *	10		
	Masonry: Brick	73%	Now	\$52,500	LIFE	* *	5	\$3,000	
		Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 50%							
		Location : Front Facade							
	Masonry: Brownstone	10%	Now	\$6,600	LIFE	* *	5	\$300	1
		Cracking/Crumbling, Extent : Severe, Area Affected : 20%							
		Location : Front Facade							
		Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 20%							
		Location : Main Facade							
	Masonry: Sandstone	10%	0-2	\$24,300	LIFE	* *	5	\$300	
		Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 50%							
		Location : Main Facade							
	Wood Overhead Doors	5%			2046	* *	5	\$1,000	
Windows									
	Aluminum	60%			2049	* *	5	\$100	
	Wood	40%	4+	\$1,500	2049	* *	5	\$400	
		Air Infiltration, Extent : Light, Area Affected : 10%							
		Location : Throughout							
Parapets									
	Cast Stone/Terra Cotta	5%	Now	\$500	LIFE	* *	5	\$800	
		Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 2%							
		Location : Main Roof							
	Cast Stone/Terra Cotta	15%			LIFE	* *	5	\$2,500	
	Masonry: Brick	80%			LIFE	* *	5	\$1,700	
Roof									
	Asphalt Shingle	5%	Now	\$100	2042	* *			
		Broken/Missing Elements, Extent : Moderate, Area Affected : 2%							
		Location : Roof Area							
		Water Penetration, Extent : Moderate, Area Affected : 5%							
		Location : 3rd Floor Toilet Room							
	Metal Panel	10%			2046	* *	10	\$800	
		Other Observation, Extent : Moderate, Area Affected : 100%							
		Location : Throughout							
		Explanation : Metal Is Formed And Colored To Replicate Clay Tiles							
	Modified Bitumen	85%			2038	* *	10	\$3,900	

Interior

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.

Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057**SQUAD 252****Asset # : 13142**

Architecture		Current Repair		Future Replacement		Maintenance		
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Interior								
Floors								
Carpet	5%	Now	\$1,200	2032	\$6,000	3	\$500	
Worn/Eroded, Extent : Light, Area Affected : 25%								
Location : 3rd Floor								
Cast in Place Concrete	30%	0-2	\$8,700	LIFE	**	5	\$4,200	
Cracking/Crumbling, Extent : Moderate, Area Affected : 5%								
Location : Basement								
Ceramic Tile	5%			2042	**	5	\$300	
Quarry Tile	5%			2046	**	5	\$500	
Vinyl Tile	50%	Now	\$4,700	2038	**	3	\$1,200	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : 2nd Floor								
Wood	5%	0-2	\$10,100	2061	**	5	\$300	
Deteriorated Finish, Extent : Moderate, Area Affected : 50%								
Location : Locker Rooms								
Interior Walls								
Ceramic Tile	10%			2042	**	5	\$300	
Gypsum Board	5%			LIFE	**	5	\$100	
Masonry: Brick	30%			LIFE	**			
Plaster	20%	0-2	\$1,500	LIFE	**	5	\$200	
Cracking/Crumbling, Extent : Light, Area Affected : 10%								
Location : Throughout								
SGFT/Glazed Masonry	30%	0-2	\$4,100	LIFE	**			
Cracking/Crumbling, Extent : Moderate, Area Affected : 10%								
Location : Apparatus Floor								
Wood	5%			LIFE	**	5	\$600	
Ceilings								
AcousTileSusp.Lay-In	5%	Now	\$600	2046	**	5	\$200	
Broken/Missing Elements, Extent : Moderate, Area Affected : 5%								
Location : Toilets								
AcousTileSusp.Lay-In	10%			2046	**	5	\$600	
Embossed Metal	45%	Now	\$32,300	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	**			
Plaster	15%	Now	\$3,100	LIFE	**	5	\$600	
Cracking/Crumbling, Extent : Severe, Area Affected : 10%								
Location : Throughout								
Site Enclosure								
Fence/Gates								
Chain Link	50%			2053	**			
Wood	50%	0-2	\$5,100	2034	\$51,000			
Broken/Missing Elements, 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 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

Free Standing Walls

Cast in Place Concrete	100%		2068	**
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Site Pavements

Public Sidewalk

Cast in Place Concrete	100%		2038	**
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Parking/Driveway

Asphalt	80%	Now	\$42,600	2042	**
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*Cracking/Crumbling, Extent : Severe, Area Affected : 10%**Location : Throughout Parking Area*

Cast in Place Concrete	20%		2046	**
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Electrical		Current Repair			Future Replacement		Maintenance		
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority

Under 600 Volts

Service Equipment

Fused Disc Sw	100%		2033	\$16,200	5
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Basement**Explanation : One 200 Ampere Main Disconnect Switch*

Switchgear / Switchboard

Molded Case Bkrs	100%		2033	\$69,700	5	\$100
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Raceway

Conduit	20%		2053	**	1
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Conduit	80%		2033	\$31,600	1
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Panelboards

Fused Disc Sw	5%		2032	\$2,700	5
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Molded Case Bkrs	20%		2032	\$10,600	5
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Molded Case Bkrs	75%		2049	**	5	\$100
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Wiring

Thermoplastic	25%		2033	\$8,900	1
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Thermoplastic	75%		2053	**	1
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Motor Controllers

Locally Mounted	100%		2031	\$19,500	5
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Ground

Grounding Devices

Generic	100%		LIFE	**	5	\$100
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Stand-by Power

Transfer Switches

Automatic	100%		2046	**	1	\$1,400
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Generators

Diesel	100%		2046	**	1	\$1,700
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*Other Observation, Extent : Light, Area Affected : 100%**Location : Outside**Explanation : One 60 Kilowatts*

*Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.*

Maintenance \$ are aggregated over a ten-year period. 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									
	Batteries								
	Lead/Acid	100%			2027	\$2,600	5	\$200	
Fuel Storage									
	Day Tank	100%			2049	* *	5		
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Outside Generator Area							
		Explanation : One 125 Gallons							
Lighting									
	Interior Lighting								
	Fluorescent	85%			2038	* *	10	\$3,500	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Throughout The Building							
		Explanation : T-8 Lamps							
	Fluorescent	5%			2038	* *	10	\$200	
		Compact Fluorescent Light, Extent : Light, Area Affected : 100%							
		Location : First Floor Waiting Area							
	LED	10%			2041	* *			
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Second Floor Locker Room							
		Explanation : LED Lighting							
Egress Lighting									
	Emergency, Service	60%			2038	* *	1		
	Exit, Service	40%			2038	* *	1		
Exterior Lighting									
	LED	20%			2038	* *			
	No Component	80%							

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Heating									
	Energy Source								
	Natural Gas	100%			2053	* *	1		
	Conversion Equipment								
	Steam Boiler	100%			2046	* *	1	\$4,400	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : 1 Unit								
	Distribution								
	Steam Piping/Pump	100%			2053	* *			
	Terminal Devices								
	Convactor/Radiator	100%			2038	* *	1	\$1,500	
Air Conditioning									
	Energy Source								
	Electricity	100%			2049	* *	1		

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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**

Mechanical		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%			2041	**			
	Window/Wall Unit	60%			2028	\$10,900	1		
	Window/Wall Unit	10%			2031	\$1,800	1		
	No Component	5%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	20%			LIFE	**	2-5	\$500	
	No Component	80%							
	Exhaust Fans								
	Roof	20%			2038	**	2		
	No Component	80%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2053	**	1		
	No Water Meter, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Water Heater With Tanks								
	Gas Fired	100%			2031	\$36,600	2		
	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%			2027	\$100	4	\$100	
	Other Observation, Extent : Light, Area Affected : 100%								
	Location : Basement								
	Explanation : 2 Sets								
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	Generic	100%			2031	\$17,500	1-3	\$80,900	
	Other Observation, Extent : Light, Area Affected : 2%								
	Location : 1st Floor Kitchen								
	Explanation : Over Stove								

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : SQUAD 270
Address : 91-45 121ST STREET
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : FIRSSQU.270 / 14076 **Yr Built/Renovated** : 1913 / 2016
Area Sq Ft : 16,052 **Project Type** : FIRE DEPARTMENT
Date of Survey : 10-Feb-2021 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2,3
Block : 9375 **Lot** : 7 **BIN** : 4196913

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$108,500	
Interior Architecture	\$245,700	
Electrical	\$13,600	\$133,800
Mechanical		\$139,700
Total	\$367,800	\$273,500
Importance Code A	\$108,500	\$63,500
Importance Code B	\$259,300	\$210,000
Total	\$367,800	\$273,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$68,400		\$3,000	
Interior Architecture	\$98,600	\$400		\$900
Electrical	\$3,900	\$1,300	\$15,100	\$1,200
Mechanical	\$19,300	\$2,300	\$14,400	\$2,300
Total	\$190,200	\$4,000	\$32,500	\$4,400
Importance Code A	\$69,600	\$1,200	\$4,400	\$1,200
Importance Code B	\$89,600	\$2,400	\$28,100	\$3,200
Importance Code C	\$31,000	\$400		
Total	\$190,200	\$4,000	\$32,500	\$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**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	\$108,500	LIFE	* *	5	\$13,500	
	Cracking/Crumbling, Extent : Severe, Area Affected : 15%							
	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	\$12,700	LIFE	* *	5	\$600	
	Worn/Eroded, Extent : Moderate, Area Affected : 10%							
	Location : West Facade							
Masonry: Limestone	5%	Now	\$6,300	LIFE	* *	5	\$600	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 10%							
	Location : West Facade							
Wood Overhead Doors	8%			2045	* *	5	\$6,600	
Windows								
Aluminum	100%	Now	\$29,400	2048	* *	5	\$1,600	
	Air Infiltration, Extent : Light, Area Affected : 10%							
	Location : Throughout							
	Water Penetration, Extent : Moderate, Area Affected : 10%							
	Location : Second Floor Bunk Room							
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	7%			2042	* *	5	\$400	
Not Accessible	75%							
	Other Observation, Extent : N/A, Area Affected : 0%							
	Location : Third Floor Roof							
	Explanation : No Access To Third Floor Roof.							
Roof								
Modified Bitumen	20%			2037	* *	10	\$2,800	
Not Accessible	80%							
	Other Observation, Extent : N/A, Area Affected : 0%							
	Location : Third Floor Roof, Main Roof							
	Explanation : No Access To Third Floor 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.

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** 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 Floors									
Cast in Place Concrete	35%	Now	\$69,900	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%			2045	**	5	\$1,200		
Ceramic Tile	17%			2045	**	5	\$4,100		
Quarry Tile	5%			2045	**	5	\$1,800		
Terrazzo	8%			LIFE	**	5	\$1,500		
Vinyl Tile	15%	Now	\$29,200	2042	**	3	\$1,400		
	Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
	Location : First And Third Floor, District Office 13.								
Vinyl Tile	15%			2040	**	3	\$1,800		
	Recent Replace Evident, Extent : N/A, Area Affected : 100%								
	Location : Second And Third Floor Division 13								
Interior Walls									
Ceramic Tile	5%			2041	**	5	\$800		
Concrete Masonry Unit	10%	Now	\$2,900	LIFE	**	5	\$600		
	Cracking/Crumbling, Extent : Light, Area Affected : 5%								
	Location : Basment								
Gypsum Board	40%			LIFE	**	5	\$3,800		
	Recent Installation, Extent : N/A, Area Affected : 100%								
	Location : Second And Third Floors Division 13								
Masonry: Brick	15%	Now	\$22,300	LIFE	**				
	Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 50%								
	Location : Basment								
Plaster	30%	Now	\$5,700	LIFE	**	5	\$1,400		
	Cracking/Crumbling, Extent : Moderate, Area Affected : 25%								
	Location : First And Third Floor, District Office 13, 1st Floor Squad 270								

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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 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

Ceilings

AcousTileSusp.Lay-In 30% 4+ \$2,300 2049 * * 5 \$3,600

Staining/Discoloring, Extent : Light, Area Affected : 5%
Location : Divison 13. Second And Third Floor

Exposed Struc: Concrete 25% Now \$175,800 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 45% Now \$32,100 LIFE * * 5 \$6,800

Cracking/Crumbling, Extent : Moderate, Area Affected : 20%
Location : Third Floor, District Office 13
Paint Peeling, Extent : Moderate, Area Affected : 20%
Location : Third Floor, District Office 13 And Stairs
Water Penetration, Extent : Moderate, Area Affected : 30%
Location : Third Floor, District Office 13

Site Pavements

Parking/Driveway

Cast in Place Concrete 100% 2037 * *

Electrical		Current Repair			Future Replacement		Maintenance		
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% 2032 \$63,500 5 \$400

Other Observation, Extent : N/A, Area Affected : 100%
Location : Basement

Explanation : Main Service Disconnect Switch Rated At 500 Amperes.

Switchgear / Switchboard

Fused Disc Sw 100% 2032 \$63,500 5 \$100

Raceway

Conduit 70% 2032 \$25,200 1

Conduit 30% 2052 * * 1

Panelboards

Fused Disc Sw 20% 2031 \$9,700 5 \$100

Molded Case Bkrs 50% 2031 \$24,200 5 \$200

Molded Case Bkrs 30% 2048 * * 5 \$100

Wiring

Thermoplastic 70% 2032 \$22,800 1

Thermoplastic 30% 2052 * * 1

Motor Controllers

Locally Mounted 100% 2030 \$17,800 5 \$100

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**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
Ground									
	Grounding Devices								
	Generic	100%			LIFE	**	5	\$200	
Stand-by Power									
	Transfer Switches								
	Automatic	100%			2037	**	1	\$4,900	
	Generators								
	Diesel	100%			2035	**	1	\$6,200	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Backyard								
	Explanation : Emergency Generator Rated At 60 Kilowatts								
	Batteries								
	Lead/Acid	100%			2025	\$2,400	5	\$600	
	Fuel Storage								
	Main Tank	100%			2047	**	5		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Backyard								
	Explanation : 50 Gallons Rated Capacity								
Lighting									
	Interior Lighting								
	Fluorescent	70%			2037	**	10	\$10,300	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : 1st, 2nd, 3rd Floor Division Office								
	Explanation : T-8 Lamps								
	Fluorescent	10%			2027	\$13,600	10	\$1,500	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : 3rd Floor District Office								
	Explanation : T-8 Lamps								
	Fluorescent	5%			2032	\$6,800	10	\$700	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : 1st Floor Kitchen, Lounge								
	Explanation : Compact Fluorescent Lights								
	LED	15%			2037	**			
	Egress Lighting								
	Emergency, Battery	50%			2037	**	10	\$1,900	
	Exit, Service	50%			2037	**	1		
	Exterior Lighting								
	HID	10%			2032	\$7,300	10		
	LED	10%			2037	**			
	No Component	80%							
Alarm									
	Security System								
	No Component	90%							
	Generic	10%			2032	\$2,900	1	\$600	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Front Of The Building								
	Explanation : CCTV Surveillance Cameras								

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** 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									
	Energy Source								
	Natural Gas	100%			2042	**	1		
	Conversion Equipment								
	Hot Water Boiler	50%			2037	**	1	\$4,000	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Unit							
	Steam Boiler	50%			2049	**	1	\$8,000	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : Basement							
		Explanation : 1 Unit							
	Distribution								
	Hot Wtr Piping/Pump	50%			2031	\$17,100	4	\$400	
	Steam Piping/Pump	50%			2032	\$62,800			
	Terminal Devices								
	Convactor/Radiator	60%			2030	\$76,900	1	\$3,100	
	Convactor/Radiator	20%			2045	**	1	\$1,000	
	No Component	20%							
Air Conditioning									
	Energy Source								
	Electricity	100%			2040	**	1		
	Conversion Equipment								
	Exterior Pkg Unit - Cooling	20%			2032	\$34,400	2	\$200	
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : 3rd Floor Roof							
		Explanation : 1 Unit. R-134. Serves Half Of The 2nd Floor.							
	Split Unit	20%			2040	**			
		Other Observation, Extent : N/A, Area Affected : 100%							
		Location : 3rd Floor Roof							
		Explanation : 1 Unit. R-410a. Serves Half Of The 2nd Floor.							
	Window/Wall Unit	20%			2025	\$11,900	1		
	Window/Wall Unit	20%			2030	\$11,900	1		
	No Component	20%							
	Terminal Devices								
	Fan Coil - 2 Pipe	20%			2040	**	1	\$1,000	
	No Component	80%							
	Heat Rejection								
	Air Cooled Condenser Unit	20%			2040	**	2	\$2,200	
	No Component	80%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	30%			LIFE	**	2-5	\$2,700	
	Ductwork/Diffusers	20%			LIFE	**	2-5	\$1,800	
	No Component	50%							

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FIRE DEPARTMENT - 057**SQUAD 270****Asset # : 14076**

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Ventilation									
	Exhaust Fans								
	Interior	20%			2040	* *	2	\$100	
	Roof	25%			2040	* *	2	\$100	
	Wall Unit	15%	0-2	\$1,000	2042	* *	2	\$100	
	Other Observation, Extent : Moderate, Area Affected : 100%								
	Location : Apparatus Floor								
	Explanation : On Extended Life Time								
	No Component	40%							
Plumbing									
	H/C Water Piping								
	Brass/Copper	75%			2042	* *	1		
	Brass/Copper	25%			2058	* *	1		
	Water Heater With Tanks								
	Electric	50%			2027	\$11,500	4		
	Gas Fired	50%			2030	\$8,300	2		
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : Basement								
	Explanation : 2 Units								
	Sanitary Piping								
	Cast Iron	100%	0-2	\$4,000	LIFE	* *	1		
	Blockage /Clogged, Extent : Moderate, Area Affected : 10%								
	Location : Front Of Basement								
	Storm Drain Piping								
	Cast Iron	100%			LIFE	* *	1		
	Sump Pump(s)								
	Submersible	100%			2025	\$500	4	\$500	
	Fixtures								
	Generic	50%							
	Generic	50%							
Fire Suppression									
	Chemical System								
	No Component	99%							
	Generic	1%			2027	\$200	1-3	\$700	
	Other Observation, Extent : N/A, Area Affected : 100%								
	Location : 1st Floor 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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$782,400	
Interior Architecture	\$52,100	\$175,200
Mechanical		\$70,300
Total	\$834,500	\$245,500
Importance Code A	\$782,400	
Importance Code B	\$52,100	\$70,300
Importance Code C		\$175,200
Total	\$834,500	\$245,500

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$73,100	\$2,500		
Interior Architecture	\$129,000			\$500
Electrical	\$17,000	\$2,400	\$100	
Mechanical	\$27,200	\$18,300	\$1,700	\$1,700
Site Enclosure	\$9,900			
Site Pavements	\$400			
Total	\$256,600	\$23,300	\$1,700	\$2,200
Importance Code A	\$83,800	\$3,300	\$900	\$900
Importance Code B	\$125,200	\$19,900	\$900	\$1,300
Importance Code C	\$47,700			
Total	\$256,600	\$23,300	\$1,700	\$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
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	\$11,500	LIFE	**	5	\$4,900	
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%								
Location : South Facade								
Recent Repair Evident, Extent : N/A, Area Affected : 100%								
Location : South Facade								
Water Penetration, Extent : Severe, Area Affected : 25%								
Location : South Facade								
Copper/Terne	2%	Now	\$41,400	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	\$507,900	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	\$400	
Masonry: Limestone	5%	Now	\$15,200	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	\$103,400	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	\$4,400	LIFE	**	5	\$1,900		
Joint Mortar Miss/Erod, Extent : Severe, Area Affected : 25%									
Location : Throughout									
Masonry: Brick	85%	Now	\$52,400	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	\$118,700	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	\$49,300	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	\$1,300	2040	**	5	\$600		
Broken/Missing Elements, Extent : Severe, Area Affected : 5%									
Location : Kitchen									
Quarry Tile	5%			2044	**	5	\$900		
Terrazzo	3%	0-2	\$1,600	LIFE	**	5	\$300		
Cracking/Crumbling, Extent : Moderate, Area Affected : 15%									
Location : Stairwell									
Vinyl Tile	32%	Now	\$20,500	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.
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 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	\$6,100	LIFE		* *		
	Water Penetration, Extent : Severe, Area Affected : 10%							
	Location : Front Wall Near Electrical Panels							
Ceramic Tile	20%	Now	\$17,500	2034	\$175,200	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		* *	\$800	
	Other Observation, Extent : Light, Area Affected : 100%							
	Location : First And Second Floor							
	Explanation : Kitchen And Bathrooms							
Gypsum Board	15%	Now	\$700	LIFE		* *	\$1,500	
	Loose/Delam Surface, Extent : Severe, Area Affected : 15%							
	Location : Second Floor Windows							
Masonry: Brick	30%	Now	\$18,200	LIFE		* *		
	Water Penetration, Extent : Severe, Area Affected : 20%							
	Location : Basement							
Plaster	25%	Now	\$4,800	LIFE		* *	\$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							

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								
Ceilings								
AcousTileSusp.Lay-In	35%	0-2	\$3,400	2036	* *	5	\$2,100	
	Misaligned/Bulging, Extent : Moderate, Area Affected : 10%							
	Location : Second Floor							
Exposed Struc: Concrete	30%	Now	\$52,100	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	\$5,300	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	\$1,400	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	\$8,500	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	\$400	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		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	

Under 600 Volts

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
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FIRE DEPARTMENT - 057
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	\$3,200	2051	* *	5	\$100	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : One 200 Ampere Main Disconnect Witch									
Raceway									
	Conduit	70%			2031	\$25,200	1		
	Conduit	30%			2051	* *	1		
Panelboards									
	Fused Disc Sw	5%			2030	\$2,400	5		
	Fused Knife Sw	15%	2-4	\$7,300	2056	* *	5		
On Extended Life, Extent : Moderate, Area Affected : 100%									
Location : First Floor									
	Molded Case Bkrs	60%			2047	* *	5	\$100	
	Molded Case Bkrs	20%			2030	\$9,700	5		
Wiring									
	Braided Cloth	20%	2-4	\$6,500	2056	* *	1		
Insulation Aged, Extent : Moderate, Area Affected : 100%									
Location : Basement And First Floor									
	Thermoplastic	60%			2051	* *	1		
	Thermoplastic	20%			2031	\$6,500	1		
Motor Controllers									
	Locally Mounted	100%			2029	\$17,800	5	\$100	
Ground									
Grounding Devices									
	Generic	100%			LIFE	* *	5	\$100	
Lighting									
	Interior Lighting								
	Fluorescent	30%			2036	* *	10	\$2,400	
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

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

Mechanical		Current Repair			Future 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	\$7,500	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	\$1,400	2041	**			
	Leak Evident, Extent : Moderate, Area Affected : 20%								
	Location : Steam Pipe Rusted And Leaks Above Boiler								
	Terminal Devices								
	Convactor/Radiator	100%			2029	\$70,300	1	\$2,800	
Air Conditioning									
	Energy Source								
	Electricity	100%			2039	**	1		
	Conversion Equipment								
	Split Unit	30%	0-2	\$3,100	2036	**			
	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%			2025	\$9,800	1		
	No Component	40%							
	Terminal Devices								
	Fan Coil - 2 Pipe	30%			2036	**	1	\$900	
	No Component	70%							
	Heat Rejection								
	Air Cooled Condenser Unit	30%			2036	**	2	\$1,800	
	No Component	70%							
Ventilation									
	Distribution								
	Ductwork/Diffusers	50%			LIFE	**	2-5	\$2,500	
	No Component	50%							
	Exhaust Fans								
	Roof	30%	0-2	\$300	2031	\$5,000	2	\$100	
	Not in Service, Extent : Moderate, Area Affected : 70%								
	Location : 2 Out Of 3 Units, Roof								
	Wall Unit	30%	0-2	\$1,100	2041	**	2	\$100	
	Other Observation, Extent : Moderate, Area Affected : 100%								
	Location : Apparatus Floor								
	Explanation : Absolute Units								
	No Component	40%							
	Other Observation, Extent : Light, Area Affected : 0%								
	Location :								
	Explanation : No Exhaust Fan For Bathrooms								

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** Replacement cost estimated to be beyond ten years is not included in this report.*

FIRE DEPARTMENT - 057
SQUAD 288 HAZARDOUS MATERIAL UNIT
Asset # : 13174

Mechanical		Current Repair		Future Replacement		Maintenance			
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	Priority
Plumbing									
	H/C Water Piping								
	Brass/Copper	100%			2041	* *	1		
	Water Heater With Tanks								
	Gas Fired	100%	0-2	\$300	2026	\$16,700	2		
			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	\$2,200	LIFE	* *	1		
			Blockage /Clogged, Extent : Moderate, Area Affected : 20%						
			Location : Basement						
	Storm Drain Piping								
	Cast Iron	100%	0-2	\$600	LIFE	* *	1		
			Blockage /Clogged, Extent : Moderate, Area Affected : 5%						
			Location : Roof						
	Sump Pump(s)								
	Submersible	100%			2025	\$300	4	\$300	
	Fixtures								
	Generic	100%							
Fire Suppression									
	Chemical System								
	No Component	99%							
	Generic	1%			2025	\$200	1-3	\$800	

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** Replacement cost estimated to be beyond ten years is not included in this report.*

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$224,500	\$78,100
Mechanical		\$72,500
Site Pavements		\$205,200
Total	\$224,500	\$355,900
Importance Code A	\$224,500	\$78,100
Importance Code B		\$72,500
Importance Code C		\$205,200
Total	\$224,500	\$355,900

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$64,000			
Interior Architecture	\$50,800	\$100	\$500	\$200
Electrical	\$600	\$10,400	\$600	\$600
Mechanical	\$37,200	\$20,700	\$1,600	\$1,500
Site Enclosure	\$4,000			
Site Pavements	\$14,400			
Total	\$170,900	\$31,200	\$2,700	\$2,200
Importance Code A	\$64,700	\$700	\$700	\$700
Importance Code B	\$57,200	\$30,500	\$2,000	\$1,500
Importance Code C	\$49,000			
Total	\$170,900	\$31,200	\$2,700	\$2,200



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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**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+	\$224,500	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	\$700	
Masonry: Limestone	12%			LIFE	* *	5	\$2,900	
Metal Sect. OHD	5%			2044	* *	5	\$5,000	
Windows								
Aluminum	100%	4+	\$1,100	2047	* *	5	\$500	
	Other Observation, Extent : Moderate, Area Affected : 20%							
	Location : Interior Wood Trim							
	Explanation : Dry Rot							
Parapets								
Cast Stone/Terra Cotta	10%			LIFE	* *	5	\$1,900	
Masonry: Brick	85%			LIFE	* *	5	\$2,000	
	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+	\$31,200	2031	\$78,100			
	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	\$31,700	2051	* *			
	Corrosion/Rusting, Extent : Severe, Area Affected : 25%							
	Location : On Main Roof							
Interior								
Floors								
Cast in Place Concrete	50%			LIFE	* *	5	\$11,700	
Ceramic Tile	5%			2040	* *	5	\$500	
Quarry Tile	5%			2044	* *	5	\$800	
Vinyl Tile	35%			2036	* *	3	\$1,400	
Wood	5%			2059	* *	5	\$1,000	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057**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	\$22,900	5	\$400	
	Gypsum Board	5%			LIFE	* *	5	\$600	
	Masonry: Brick	15%	0-2	\$11,900	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+	\$13,400	LIFE	* *	5	\$3,100	
Paint Peeling, Extent : Light, Area Affected : 4%									
Location : 3rd Floor Bedroom									
	SGFT/Glazed Masonry	25%	0-2	\$9,400	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 : N/A, Area Affected : 3%									
Location : 2nd Floors									
	Embossed Metal	70%	4+	\$4,800	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 Struc: Concrete	23%			LIFE	* *	5	\$400	
	Exposed Struc: Steel	2%	2-4	\$11,000	LIFE	* *			
Corrosion/Rusting, Extent : Severe, Area Affected : 15%									
Location : Front Of Basement Under Overhead Door									
Site Enclosure									
Fence/Gates									
	Chain Link	100%	4+	\$4,000	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+	\$4,100	2044	* *			
Cracking/Crumbling, Extent : Moderate, Area Affected : 20%									
Location : Front Of Building On 150th Street									

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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 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 \$10,300 2034 \$205,200

*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 \$27,600 1

Conduit

30% 2051 * * 1

Panelboards

Molded Case Bkrs

70% 2039 * * 5 \$100

Molded Case Bkrs

30% 2047 * * 5 \$100

Wiring

Thermoplastic

30% 2051 * * 1

Thermoplastic

70% 2041 * * 1

Motor Controllers

Locally Mounted

100% 2036 * * 5

Ground

Grounding Devices

Generic

100% LIFE * * 5 \$100

Stand-by Power

Transfer Switches

Automatic

100% 2048 * * 1 \$2,200

Generators

Diesel

100% 2044 * * 1 \$2,800

*Other Observation, Extent : Light, Area Affected : 100%**Location : Side Yard**Explanation : Emergency Generator Rated At 60 Kilowatts*

Batteries

Lead/Acid

100% 2026 \$2,600 5 \$300

Fuel Storage

Main Tank

100% 2066 * * 5

*Other Observation, Extent : Light, Area Affected : 100%**Location : Side Yard**Explanation : 120 Gallons Rated Capacity*

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FIRE DEPARTMENT - 057**SQUAD 41****Asset # : 13029**

Electrical		Current Repair			Future Replacement		Maintenance		
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 : N/A, Area Affected : 100%**Location : Basement**Explanation : Compact Fluorescent Light*

Incandescent

3%

2026

\$2,800

2

LED

35%

2039

* *

Egress Lighting

Emergency, Service

80%

2039

* *

1

Exit, LED

20%

2066

* *

1

Exterior Lighting

HID

30%

2036

* *

10

No Component

70%

Alarm

Security System

No Component

70%

Generic

30%

2036

* *

1

\$800

*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

100%

2041

* *

4

\$500

Piping/Pmp

Terminal Devices

Convactor/Radiator

100%

2036

* *

1

\$2,300

Air Conditioning

Energy Source

Electricity

100%

2047

* *

1

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FIRE DEPARTMENT - 057**SQUAD 41****Asset # : 13029**

Mechanical		Current Repair		Future Replacement		Maintenance		
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	\$14,500	2031	\$72,500			
	Malfunctioning, Extent : Severe, Area Affected : 100%							
	Location : Split Unit At The Kitchen Is Malfunctioning							
Window/Wall Unit	50%			2025	\$14,500	1		
No Component	10%							
Ventilation								
Distribution								
Ductwork/Diffusers	20%			LIFE	* *	2-5	\$800	
No Component	80%							
Exhaust Fans								
Interior	25%			2031	\$8,500	2	\$100	
Wall Unit	25%			2031	\$800	2	\$100	
No Component	50%							
Plumbing								
H/C Water Piping								
Brass/Copper	100%			2041	* *	1		
Water Heater With Tanks								
Gas Fired	100%			2026	\$18,300	2		
	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	\$2,900	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		2025	\$200	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							

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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
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	\$1,700	1-3	\$8,300	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Kitchen							
		Explanation : Ansul System Serves Cooking Area							
	No Component	90%							

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Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : SQUAD 61
Address : 1518 WILLIAMSBRIDGE ROAD BTWN EASTCHESTER RD - POPLAR ST
Borough : BRONX **Agency's Number** : N/A
Program / Asset # : FIRSECO.061 / 13049 **Yr Built/Renovated** : 1929 /
Area Sq Ft : 6,440 **Project Type** : FIRE DEPARTMENT
Date of Survey : 20-Nov-2020 **Landmark Status** : NONE
Areas Surveyed : Basement, Roof, Floors 1,2
Block : 4082 **Lot** : 11 **BIN** : 2044205

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Exterior Architecture	\$135,800	
Total	\$135,800	
Importance Code A	\$135,800	
Total	\$135,800	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Exterior Architecture	\$45,000			
Interior Architecture	\$19,000	\$1,100		\$300
Electrical	\$500	\$3,000	\$9,900	\$500
Mechanical	\$25,100	\$2,000	\$3,200	\$2,000
Site Enclosure	\$1,200			
Site Pavements	\$6,400			
Total	\$97,300	\$6,100	\$13,100	\$2,800
Importance Code A	\$50,500	\$600	\$700	\$600
Importance Code B	\$38,000	\$4,800	\$12,500	\$2,100
Importance Code C	\$8,800	\$600		
Total	\$97,300	\$6,100	\$13,100	\$2,800



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** 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%			2052	* *	10	\$300	
	Masonry: Brick	75%	2-4	\$63,500	LIFE	* *	5	\$15,800	
		Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%							
		Location : Side Facades							
		Painted Surfaces, Extent : Moderate, Area Affected : 20%							
		Location : Side And Rear Facade							
		Water Penetration, Extent : Moderate, Area Affected : 5%							
		Location : Rear Yard Facade							
	Masonry: Limestone	10%	0-2	\$24,300	LIFE	* *	5	\$1,600	
		Joint Mortar Miss/Erod, Extent : Light, Area Affected : 20%							
		Location : Throughout							
	Metal Sect. OHD	10%			2045	* *	5	\$6,600	
Windows									
	Aluminum	100%	Now	\$1,900	2048	* *	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	\$72,300	LIFE	* *	5	\$1,900	1
		Loose/Delam Surface, Extent : Severe, Area Affected : 10%							
		Location : Throughout Parapet							
		Misaligned/Bulging, Extent : Severe, Area Affected : 40%							
		Location : Rear Facade							
		Painted Surfaces, Extent : Severe, Area Affected : 90%							
		Location : Throughout							
		Vertical Cracks, Extent : Severe, Area Affected : 5%							
		Location : Throughout							
	Masonry: Limestone	5%	0-2	\$1,600	LIFE	* *	5	\$200	
		Cracking/Crumbling, Extent : Light, Area Affected : 20%							
		Location : Parapet Coping Stones							
		Joint Mortar Miss/Erod, Extent : Moderate, Area Affected : 20%							
		Location : Parapet Coping Stones							
Roof									
	Modified Bitumen	95%	4+	\$8,300	2037	* *			
		Water Penetration, Extent : Severe, Area Affected : 20%							
		Location : Lower Roof							
	Skylight, Metal/Glass	5%	Now	\$5,600	2052	* *			
		Water Penetration, Extent : Moderate, Area Affected : 10%							
		Location : Throughout							

Interior

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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									
Floors									
	Cast in Place Concrete	50%	Now	\$7,300	LIFE	**	5	\$9,600	
	Cracking/Crumbling, Extent : Severe, Area Affected : 2% Location : Trench Drain On Apparatus Floor								
	Ceramic Tile	10%			2041	**	5	\$900	
	Quarry Tile	10%			2045	**	5	\$1,300	
	Vinyl Tile	25%			2037	**	3	\$1,100	
	Wood	5%			2060	**	5	\$800	
Interior Walls									
	Cast in Place Concrete	30%			LIFE	**			
	Ceramic Tile	10%			2041	**	5	\$1,200	
	Gypsum Board	5%			LIFE	**	5	\$400	
	Recent Repair Evident, Extent : Light, Area Affected : 10% Location : Throughout Water Penetration, Extent : Light, Area Affected : 5% Location : Throughout								
	Plaster	25%	Now	\$3,700	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%			2045	**	5	\$4,400	
	Exposed Struc: Concrete	10%	Now	\$2,600	LIFE	**	5	\$100	
	Cracking/Crumbling, Extent : Moderate, Area Affected : 5% Location : Basement								
	Exposed Struc: Steel	25%			LIFE	**			
	Plaster	15%	Now	\$2,000	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	\$1,200	2052	**			
	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									

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FIRE DEPARTMENT - 057
SQUAD 61
Asset # : 13049

Architecture		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	

Site Pavements

Public Sidewalk

Cast in Place Concrete	100%	Now	\$2,600	2045	* *
<i>Cracking/Crumbling, Extent : Severe, Area Affected : 5%</i>					
<i>Location : Ramp Apron</i>					
<i>Other Observation, Extent : Severe, Area Affected : 5%</i>					
<i>Location : Sidewalk Bilco Door</i>					
<i>Explanation : Water Penetration</i>					

On-Site Walkways

Cast in Place Concrete	100%	0-2	\$1,800	2045	**
<i>Cracking/Crumbling, Extent : Light, Area Affected : 20%</i>					
<i>Location : Throughout</i>					

Parking/Driveway

Cast in Place Concrete	100%	0-2	\$2,100	2045	* *
<i>Cracking/Crumbling, Extent : Light, Area Affected : 10%</i>					
<i>Location : Throughout</i>					

Electrical		Current Repair		Future Replacement		Maintenance		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	

Under 600 Volts

Service Equipment

Fused Disc Sw	100%	2032	\$14,700	5
<i>Other Observation, Extent : Light, Area Affected : 100%</i>				
<i>Location : Basement</i>				
<i>Explanation : One 200 Ampere Main Disconnect Switch</i>				

Raceway

Conduit	80%			2032	\$28,800	1	
Conduit	20%			2052	* *	1	

Panelboards

Fused Disc Sw	5%			2031	\$2,400	5	
Molded Case Bkrs	40%			2031	\$19,400	5	\$100
Molded Case Bkrs	55%			2048	* *	5	\$100

Wiring

Thermoplastic	30%			2032	\$9,800	1	
Thermoplastic	70%			2052	* *	1	

Motor Controllers

Locally Mounted	100%			2030	\$17,800	5	
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Ground

Grounding Devices

Generic	100%			LIFE	* *	5	\$100
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Stand-by Power

Transfer Switches

Automatic	100%			2045	* *	1	\$2,000
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** 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
Stand-by Power									
Generators									
	Diesel	100%			2041	* *	1	\$2,500	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Outside									
Explanation : One 61 Kilovolt Ampere									
Batteries									
	Lead/Acid	100%			2026	\$2,400	5	\$200	
Fuel Storage									
	Day Tank	50%			2048	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Generator Room Outside									
Explanation : One 60 Gallons									
	Main Tank	50%			2035	* *	5		
Other Observation, Extent : Light, Area Affected : 100%									
Location : Basement									
Explanation : One 550 Gallons									
Lighting									
Interior Lighting									
	Fluorescent	60%			2037	* *	10	\$3,500	
T-8 Lamps And Fixtures, Extent : Light, Area Affected : 100%									
Location : 1st Floor And Basement									
	LED	40%			2040	* *			
Egress Lighting									
	Emergency, Service	30%			2037	* *	1		
	Emergency, Service	30%			2040	* *	1		
	Exit, LED	40%			2067	* *	1		
Exterior Lighting									
	HID	20%			2027	\$5,900	10		
	No Component	80%							
Alarm									
Security System									
	No Component	90%							
	Generic	10%			2037	* *	1	\$200	
Other Observation, Extent : Light, Area Affected : 100%									
Location : Front OfThe 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%			2058	* *	1		

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** 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
Heating									
	Conversion Equipment								
	Steam Boiler	100%	0-2	\$5,500	2037	**	1	\$5,700	
	Malfunctioning, Extent : Severe, Area Affected : 100% Location : Boiler Room. Unit Constantly Broke Down Other Observation, Extent : Light, Area Affected : 100% Location : Basement Explanation : One Unit								
Distribution									
	Central Plant Steam Piping/Pmp	100%	0-2	\$3,500	2052	**	4	\$300	
	Insul. Deteriorating, Extent : Moderate, Area Affected : 5% Location : Piping Around The Boiler Leak Evident, Extent : Moderate, Area Affected : 5% Location : Leaking Fuel Piping For The Rig								
Terminal Devices									
	Convactor/Radiator	100%			2045	**	1	\$2,100	
Air Conditioning									
	Energy Source								
	Electricity	100%			2054	**	1		
Conversion Equipment									
	Split Unit	10%	0-2	\$1,500	2037	**			
	Leak Evident, Extent : Moderate, Area Affected : 100% Location : 1st And 2nd Floor. Leaking, Condensate From Diffuser Grid And The Duct								
	Window/Wall Unit	50%			2025	\$11,900	1		
	No Component	40%							
Ventilation									
	Exhaust Fans								
	Interior	50%			2032	\$13,900	2	\$100	
	Roof	50%			2032	\$6,100	2	\$100	
Plumbing									
	H/C Water Piping								
	Galvanized Steel	100%			2037	**	1		
Water Heater With Tanks									
	Gas Fired	100%			2030	\$16,700	2		
	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%	0-2	\$1,100	LIFE	**	1		
	Blockage /Clogged, Extent : Moderate, Area Affected : 10% Location : Clogged, Blockage Drain At Boiler Area								
Sump Pump(s)									
	Submersible	100%			2025	\$200	4	\$200	

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.

Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.

** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057**SQUAD 61****Asset # : 13049**

Mechanical		Current Repair		Future Replacement		Maintenance			
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 Only							
Fixtures									
	Generic	100%							
		Obsolete Fixtures, Extent : Severe, Area Affected : 100%							
		Location : Kitchen And Bathroom							
Fire Suppression									
	Chemical System								
	Dry	10%			2030	\$1,600	1-3	\$7,300	
		Other Observation, Extent : Light, Area Affected : 100%							
		Location : Kitchen							
		Explanation : Model Kp-275							
	No Component	80%							
	Generic	10%			2030	\$1,600	1-3	\$7,400	
		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.
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** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : FDNY PLATFORM / PILE SUPPORTED PLATFORM
Address : RANDALLS ISLAND SUNKEN MEADOW
Borough : MANHATTAN **Agency's Number** : N/A
Program / Asset # : FIR0003.100 / 13857 **Yr Built/Renovated** :
Area Sq Ft : 17,325 **Project Type** : FIRE DEPARTMENT
Date of Survey : 02-Jul-2020 **Landmark Status** : NONE
Areas Surveyed :
Block : 1819 **Lot** : 4 **BIN** :

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Piers		\$59,800
Total		\$59,800
Importance Code C		\$59,800
Total		\$59,800

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Piers	\$6,200	\$1,100		\$2,900
Total	\$6,200	\$1,100		\$2,900
Importance Code A				
Importance Code B		\$1,100		\$1,800
Importance Code C	\$6,200			\$1,100
Total	\$6,200	\$1,100		\$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.
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FIRE DEPARTMENT - 057
FDNY PLATFORM / PILE SUPPORTED PLATFORM
Asset # : 13857

Piers		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Structural Deck								
Concrete	55%			LIFE	* *	5	\$17,800	
	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	\$1,200	
	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	\$59,800	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								

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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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

Asset Name : WHARF UNDER EC 331/LC 173 BY HARBOR ADAM
Address : 158-67 CROSS BAY BLVD. SHELL BANK BASIN
Borough : QUEENS **Agency's Number** : N/A
Program / Asset # : NYP0103.010 / 13649 **Yr Built/Renovated** :
Area Sq Ft : 5,520 **Project Type** : FIRE DEPARTMENT
Date of Survey : 08-Feb-2022 **Landmark Status** : NONE
Areas Surveyed :
Block : 14163 **Lot** : 101 **BIN** :

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Piers	\$111,500	
Total	\$111,500	
Importance Code A	\$111,500	
Total	\$111,500	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Piers	\$17,800			\$36,700
Total	\$17,800			\$36,700
Importance Code A	\$16,600			
Importance Code B	\$1,200			\$36,700
Total	\$17,800			\$36,700



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		Priority
System	Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	
Structural Deck	Concrete	50%			LIFE	**	5	\$5,100
		Cracking, Extent : Light, Area Affected : 5%						
		Location : Isolated Locations Of The Deck Soffit						
		Spalling, Extent : Light, Area Affected : 5%						
		Location : At Pile Cap Interface, South Underside Of Pier						
		Other Observation, Extent : Light, Area Affected : 5%						
		Location : Isolated Locations Of The Deck Soffits						
		Explanation : Honeycombing						
	Not Accessible	50%						
Pile Caps	Concrete	15%	4+	\$16,600	LIFE	**	5	\$100
		Cracking, Extent : Light, Area Affected : 10%						
		Location : Typical At Most Pile Caps						
		Spalling, Extent : Moderate, Area Affected : 100%						
		Location : Along Pile Bents 2.5, 5, 6 And 7 When Counting Bents From North To South.						
		85%			LIFE	**	5	\$300
Piles and Bracing	Concrete Encased Steel	80%			LIFE	**		
		20%	4+	\$111,500	LIFE	**		
		Spalling, Extent : Severe, Area Affected : 50%						
		Location : Top 2 To 3 Feet Of Concrete Encasements At Isolated Pile Locations Throughout The Pier.						
Fender Facing	Composite	50%			2031	\$33,100		
		50%						
		50%						
Deck Elements	Railing Steel	25%			2028	\$30,600		
		Corrosion, Extent : Light, Area Affected : 25%						
		Location : Throughout Railing						
		5%	4+	\$1,200	2028	\$6,100		
	Steel	Broken, Extent : Moderate, Area Affected : 100%						
		Location : Bottom Rail At Southern End Of Asset						
		70%						
		70%						
	No Component	70%						
		70%						
		70%						

Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
Estimates are rounded to the nearest hundred dollars.
Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
** Replacement cost estimated to be beyond ten years is not included in this report.

Print Date : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 2025 - 2028	FY 2029 - 2034
Bulkheads	\$109,200	
Total	\$109,200	
Importance Code C	\$109,200	
Total	\$109,200	

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Bulkheads	\$7,800	\$100		\$100
Total	\$7,800	\$100		\$100
Importance Code B	\$7,800	\$100		\$100
Importance Code C				
Total	\$7,800	\$100		\$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
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	\$3,400	
		Settlement, Extent : Light, Area Affected : 100%							
		Location : Steep Slope For Full Length Of Asset							
	Stone	20%	4+	\$109,200	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	\$22,200	3	\$100	
	Fencing	20%	2-4	\$6,700	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%							

*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 : 03-Oct-2023

FIRE DEPARTMENT - FY 2024

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 : 1,380 **Project Type** : FIRE DEPARTMENT
Date of Survey : 23-Mar-2023 **Landmark Status** : NONE
Areas Surveyed :
Block : 487 **Lot** : 100 **BIN** :

CAPITAL	FY 2025 - 2028	FY 2029 - 2034
Marinas/Docks		\$146,000
Total		\$146,000
Importance Code A		\$146,000
Total		\$146,000

EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Marinas/Docks	\$34,800	\$400	\$2,700	\$46,400
Total	\$34,800	\$400	\$2,700	\$46,400
Importance Code A	\$34,500			\$46,000
Importance Code B	\$100	\$100	\$2,500	\$100
Importance Code C	\$200	\$300	\$200	\$300
Total	\$34,800	\$400	\$2,700	\$46,400



Note : All component repairs \$ estimates are in current dollars and are not escalated for potential future inflation.
 Estimates are rounded to the nearest hundred dollars.
 Maintenance \$ are aggregated over a ten-year period. Site specific cost escalations are not included.
 ** Replacement cost estimated to be beyond ten years is not included in this report.

FIRE DEPARTMENT - 057
NAVY HOMEPORT MARINE 9 RESPONSE UNIT MARINA
Asset # : 14767

Marinas/Docks		Current Repair		Future Replacement		Maintenance		Priority
System Component Type	% of Total	Fail Date (Years)	Estimated Cost	Year FY	Estimated Cost	Cycle (Yrs)	Estimated Cost	
Access Walkways								
Gangways								
Aluminum	100%			2054	* *	1-3	\$8,200	
Floating Docks								
Anchor Piles								
Steel	30%	4+	\$8,300	2060	* *	3-5	\$3,900	
			<i>Corrosion, Extent : Moderate, Area Affected : 10%</i>					
			<i>Location : Six Piles At Floating Dock</i>					
			<i>Missing Coating, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Throughout The Tidal Zone</i>					
Not Accessible	70%							
Deck								
Concrete	100%			2043	* *	5	\$89,500	
			<i>Cracking, Extent : Light, Area Affected : 50%</i>					
			<i>Location : Throughout Top Of Both Float Sections</i>					
Fenders								
Rubber	100%			2032	\$21,500	1-2	\$2,500	
			<i>Worn, Extent : Light, Area Affected : 25%</i>					
			<i>Location : Along Berthing Edge Of Both Float Sections</i>					
Protective Structure								
Wave Attenuator								
Steel/Timber	10%	2-4	\$26,200	2044	* *	5	\$18,300	
			<i>Missing Components, Extent : Severe, Area Affected : 10%</i>					
			<i>Location : Two Sections East Of Floating Dock Adjacent To Pier And One Section At Southern Attenuator</i>					
Steel/Timber	40%			2054	* *	5	\$146,000	
Not Accessible	50%							
Electrical/Mech.								
Power Supply/Bollards								
Plastic	100%			2032	\$4,900			
			<i>Recent Replace Evident, Extent : N/A, Area Affected : 100%</i>					
			<i>Location : One Bollard On Each Float Section</i>					
Fender								
Piles								
Steel	30%			2035	* *			
			<i>Other Observation, Extent : Moderate, Area Affected : 20%</i>					
			<i>Location : Tidal Zone Of Monopile Fenders</i>					
			<i>Explanation : Corrosion</i>					
Not Accessible	70%							

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FIRE DEPARTMENT - 057**Project : FIRE DEPARTMENT**

CAPITAL		FY 2025 - 2028		FY 2029 - 2034	
Miscellaneous Buildings		3,000,300		1,441,900	
EXPENSE		FY 2025	FY 2026	FY 2027	FY 2028
Miscellaneous Buildings		95,800	48,400	47,700	45,400

ASSET #	NAME	SQFT	CAPITAL	EXPENSE
13736	FORT TOTTEN - BLDG. # 100 GUARD GATE	63	0	4,000
13742	FORT TOTTEN - BLDG. # 131 FORMER RESIDENCE	3,274	283,500	14,900
13743	FORT TOTTEN - BLDG. # 132 FORMER RESIDENCE	4,286	371,100	19,500
13744	FORT TOTTEN - BLDG. # 135 FORMER RESIDENCE	4,339	375,700	19,700
13745	FORT TOTTEN - BLDG. # 136 FORMER RESIDENCE	4,287	371,200	19,500
13751	FORT TOTTEN - BLDG. # 305 FORMER RESIDENCE	1,555	134,600	7,100
13752	FORT TOTTEN - BLDG.# 306 A AND B FORMER RESIDENCE	4,194	363,100	19,100
13753	FORT TOTTEN - BLDG.# 307 A AND B FORMER RESIDENCE	4,194	363,100	19,100
13754	FORT TOTTEN - BLDG.# 308 A AND B FORMER RESIDENCE	4,208	364,300	19,100
13756	FORT TOTTEN - BLDG.# 310 A AND B FORMER RESIDENCE	4,208	364,300	19,100
13757	FORT TOTTEN - BLDG.# 312 A AND B FORMER RESIDENCE	4,282	370,700	19,500
13758	FORT TOTTEN - BLDG.# 314 A AND B QUARTERMASTER STORAGE	3,274	283,500	14,900
13760	FORT TOTTEN - BLDG. # 317 FORMER RESIDENCE	6,056	524,300	27,500
13765	FORT TOTTEN - BLDG. # 331 STORAGE	2,550	220,800	11,600
14029	FORT TOTTEN - BLDG. # 334 QUARTERMASTER STORAGE	600	51,900	2,700

Project : FIRE DEPARTMENT

CAPITAL		FY 2025 - 2028		FY 2029 - 2034
Special Systems		2,400,000		0
EXPENSE	FY 2025	FY 2026	FY 2027	FY 2028
Special Systems	1,385,000	1,450,000	1,525,000	1,595,000

ASSET #	NAME	SQFT	CAPITAL	EXPENSE
4541	FIREBOAT - FIRE FIGHTER II		160,000	2,440,000
4542	FIREBOAT - THREE FORTY-THREE		160,000	2,440,000
4543	FIREBOAT - BRAVEST		2,000,000	650,000
4544	FIREBOAT - FEEHAN		80,000	425,000

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